AVEN® Tools for Advancing Innovation™

V2_07-2019

# Digital Catalog 2019




*Advancing Innovation for 36 Years*

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AVEN Tools for Advancing Innovation™


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26700-401 + 26800B-557

# SharpVue® Inspection System






**SharpVue® Inspection System**
**Item # 26700-135**
Combines advanced digital microscope technology with comfort and ease of use. View crystal clear 1080p images on your HD monitor, reducing the eye strain and neck fatigue associated with frequent use of traditional microscopes. Features a large working distance of 9". Includes imaging and measurement software. Magnification: up to 30x optical and up to 300x digital.

## SharpVue® Inspection System & Accessories

| Product ID | Description |
|---|---|
| 26700-135 | SharpVue® Inspection System |
| 26700-135-TTB | SharpVue® Tiltable Table |
| 26700-135-XYTB | SharpVue® X-Y Sliding Table |
| 26700-401-ICB | Image Capture Box |
| 26700-406 | 22" LCD 1080p Monitor |

Observe magnified images while looking directly at an HD monitor rather than straining over narrow microscope eyepieces



# Digital Microscopes

## Mighty Scopes®

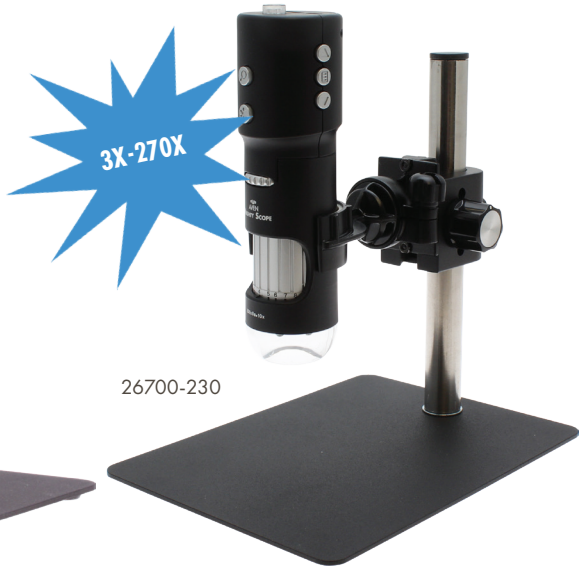



26700-200




26700-209

**Mighty Scope® USB**
Inspect, analyze and measure easily on your computer




26700-230

**Mighty Scope® HD (HDMI)**
Inspect, analyze and measure easily on your HD monitor

## Mighty Scope® USB

- Available with 1.3 or 5MP CMOS sensor
- Active pixel technology produces sharp and accurate color images
- Microtouch shutter allows for quick and convenient image capture
- Compatible with Windows and Mac
- 10x-200x, 500x, UV and Near Infrared models available
- Ergonomic design allows comfortable use in either hand
- Includes measurement software and adjustable metal stand
- 10x-200x available with polarizer

## Mighty Scope® HD (HDMI)

- Connects directly to an HD monitor for 1080P HD imaging
- 3x~270x magnification (based on 24" screen)
- Built-in buttons for digital zoom (up to 2x of on-screen image) and freeze frame
- Ergonomic design allows comfortable use in either hand

## Customize Your Mighty Scope®

Flex Stand
26700-212



Boom Stand
26700-210



## Mighty Scope® Models

| Product ID | Description |
|---|---|
| 26700-200 | Mighty Scope® 1.3M USB Digital Microscope (10x-200x) |
| 26700-230 | Mighty Scope® HD (HDMI) (3x-270x) |
| 26700-200-PLR | Mighty Scope® 1.3M USB Digital Microscope w/Polarizer (10x-200x) |
| 26700-204 | Mighty Scope® 1.3M USB Digital Microscope (500x) |
| 26700-205 | Mighty Scope® 1.3M USB Digital Microscope w/ UV Illumination (10x-200x) |
| 26700-207 | Mighty Scope® 5M USB Digital Microscope w/NIR Illumination (10x-200x) |
| 26700-209 | Mighty Scope® 5M USB Digital Microscope (10x-200x) |
| 26700-209-PLR | Mighty Scope® 5M USB Digital Microscope with Polarizer (10x-200x) |
| 26700-216 | Mighty Scope® 1.3M Polarizer |
| 26700-217 | Mighty Scope® 5M Polarizer |

## Mighty Scope® Stands

| Product ID | Description |
|---|---|
| 26700-210 | Mighty Scope® Boom Stand |
| 26700-211 | Mighty Scope® Standard Stand |
| 26700-212 | Mighty Scope® Flex Stand |
| 26700-213 | Mighty Scope® Cradle Stand |
| 26700-214 | Mighty Scope® Stand with Fine Adjustment |
| 26700-215 | Mighty Scope® Dual View Stand |
| 26700-311 | Universal Digital Microscope Stand w/Backlight |
| 26700-312 | 3D Stand for Digital Microscopes and Cameras |
| 26700-312-LED | 3D Stand with LED for Digital Microscopes and Cameras |

# Digital Microscopes

## Cyclops®




**Cyclops® HDMI, Cyclops® Macro, Cyclops® Macro**
Inspect, analyze and measure easily on your HD monitor




**Cyclops® USB + HDMI**
Inspect, analyze and measure easily on your computer or HD monitor

## Cyclops® USB + HDMI

- Dual output HDMI and USB
- Auto focus enabled
- Designed to maximize efficiency and operator comfort
- 5-megapixel sensor
- High magnification range and extended working distance
- Up to 273x magnification in HDMI mode and 534x in PC mode
- LED illumination with intensity control
- Infrared remote control for all major features
- Includes standard 4x objective lens and measurement software
- Optional articulating arm stands and 10x lens available

## Cyclops® HDMI

- Built-in HDMI output for viewing images directly on an HD monitor
- Auto focus enabled
- Designed to maximize efficiency and operator comfort
- Equipped with a 4x objective lens
- High magnification range and extended working distance
- Magnification ranges up to 132x on a 21.5" HD monitor

## Cyclops® Models

| Product ID | Description |
|---|---|
| 26700-400 | Cyclops® Digital Microscope (USB + HDMI) (up to 270x on an HD monitor or 534x on PC) |
| 26700-401 | Cyclops® HDMI Digital Microscope (up to 132x) |
| 26700-420 | Cyclops® Macro Digital Microscope with Macro Zoom Lens (HDMI) (3x–43x) |
| 26700-421 | Cyclops® Micro Digital Microscope with Micro Zoom Lens (HDMI) (29x–185x) |
| 26700-400-L10X | Cyclops® Objective Lens 10X (not compatible with Cyclops Micro or Macro systems) |
| 26700-400-L4X | Cyclops® Objective Lens 4X (not compatible with Cyclops Micro or Macro systems) |
| 26700-400-AAS-GN04 | Cyclops® Digital Microscope with Articulating Arm Stand + Flexible LED Pipe Lights |
| 26700-400-GN04 | Dual Flexible LED Gooseneck Attachment for 26700-400-AAS Articulating Arm Stand |
| 26700-400 + 26800B-557 | Cyclops® Digital Microscope with 18" Flex Arm/Table Clamp |
| 26700-400 + 26800B-558 | Cyclops® Digital Microscope with 18" Flex Arm/Magnetic Base |
| 26700-401 + 26800B-557 | Cyclops® HDMI Digital Microscope with 18" Flex Arm/Table Clamp |
| 26700-401 + 26800B-558 | Cyclops® HDMI Digital Microscope with 18" Flex Arm/Magnetic Base |
| 26700-400-413 | Cyclops® USB + HDMI Digital Microscope + ZEN Mount |
| 26700-401-413 | Cyclops® HDMI Digital Microscope + ZEN Mount |

## Cyclops® Stands & Accessories

| Product ID | Description |
|---|---|
| 26800B-558 | 18" Flex Arm With 360° Swivel Head and Magnetic Base |
| 26800B-557 | 18" Flex Arm With 360° Swivel Head and 2" Table Clamp |
| 26700-400-AAS | Articulating Arm Stand for Video Inspection Systems |
| 26700-401-ICB | HDMI Image Capture Box for Cyclops Digital Microscopes |
| 26700-413 | ZEN Mount Arm for Video Inspection Systems |
| 26800B-600 | Boom Stand Mounting Post for Inspection Cameras and Cyclops Digital Microscopes |

# Digital Microscopes
# Cyclops® Accessories

## Objective Lenses

**Cyclops® 4x Long Focus Lens**
**Item # 26700-400-L-4XLF**
Provides operators with a working distance of approximately 95mm - 218mm (3.75 - 8.5 inches).




**Cyclops® Objective Lens 10X**
**Item # 26700-400-L10X**
Use of this lens will increase magnification, allowing even further clarity for examining small objects. Includes lighting attachment.



**Cyclops® Objective Lens 10X**
**Item # 26700-400-L10X**
Use of this lens will increase magnification, allowing even further clarity for examining small objects. Includes lighting attachment.




## Articulating Arm Stand

15.5-inch post with a 20.5-inch articulating arm. The arm can be locked in place at any point along the stand. The end of the arm features a ball joint for rotating the camera 360-degrees.



Item # 26700-400-AAS





## Add-Ons

**22" LCD Monitor**
**Item # 26700-406**
Outstanding performance and eco-friendliness complement the sleek design. LED back-lit with 50,000,000:1 Smart Contrast Ratio, Full 1080P with HDMI.



**Cyclops® Laser Pointer**
**Item # 26700-400-GN02**
Provides a constant laser point to highlight exact areas for display or inspection. Attaches to the Cyclops® stand. Includes light intensity control.



## Other Cyclops® Stands

**Cyclops® Digital Microscope with 18" Flex Arm**
**Item # 26700-400 + 26800B-558**
The Cyclops® USB + HDMI and Cyclops® HDMI are both available on 18" flex arms. These stands provide limitless positioning options for your Cyclops®.



**ZEN Mount Arm for Video Inspection Systems**
**Item # 26700-413**
The Cyclops® USB + HDMI, Cyclops® HDMI are both available on the telescoping ZEN Mount. The Cyclops® Macro is also compatible with the ZEN Mount (pictured). The ZEN Mount features an extended reach of 12"-16".



# Stereo Zoom Microscopes

AVEN Tools for Advancing Innovation™

## SPZ-50 Series Stereo Zoom Microscopes

SPZV-50



- Magnification range: **6.7x-50x** (3.35x-200x with optional lenses)
- Large 7.46:1 best-in-class zoom ratio
- Field of view: 34.3mm-3.6mm (1.35"-0.14")
- Working distance: 108mm (4.25")
- Includes high eye point DHW10x (F.N.23) eyepieces for comfortable viewing even for operators with eyeglasses
- Optional eyepieces available include DHW15x (F.N.15) & DHW20x (F.N.11.4)
- Trinocular body type features click stop zoom adjustment for extremely accurate measuring
- Trinocular port includes easy adjust C-mount camera adapter for fine focusing
- Includes rubber eyeguards and dust cover

| Product ID | Description |
|---|---|
| SPZ-50 | SPZ-50 Stereo Zoom Binocular Microscope |
| SPZV-50 | SPZV-50 Stereo Zoom Trinocular Microscope |
| SPZ-50E | ESD Safe SPZ-50 Stereo Zoom Binocular Microscope |
| SPZV-50E | ESD Safe SPZV-50 Stereo Zoom Trinocular Microscope |

## Optical Data for SPZ-50 & SPZV-50 + SPZ-50E & SPZV-50E

| Eyepiece \| DHW10x (F.N.23) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 6.7x-50x | 3.35x-25x | 5x-37.5x | 10.72x-80x | 13.4x-100x |
| Working Dist. | 108mm | 240mm | 132mm | 50mm | 41mm |
| Field of View | 34.3-4.6mm | 68.9-9.2mm | 45.7-6.1mm | 21.4-2.8mm | 17.1-2.3mm |

| Eyepiece \| DHW15x (F.N.15) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 10.05x-75x | 5.02x-37.5x | 7.53x-56.25x | 16.08x-120x | 20.1x-150x |
| Working Dist. | 108mm | 240mm | 132mm | 50mm | 41mm |
| Field of View | 22.3-3mm | 44.7-6mm | 29.8-4mm | 16-1.8mm | 11.1-1.5mm |

| Eyepiece \| DHW20x (F.N.11.4) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 13.4x-100x | 6.7x-50x | 10.05x-75x | 21.44x-160x | 26.8x-200x |
| Working Dist. | 108mm | 240mm | 132mm | 50mm | 41mm |
| Field of View | 17-2.2mm | 34-4.5mm | 22.6-3mm | 10.6-1.4mm | 8.5-1.1mm |

## ESD Safe SPZ-50E Series Stereo Zoom Microscopes

SPZV-50E



- ESD Safe coating disappates electrostatic discharges
- Magnification Range: 6.7x to 50x (3.35x to 200x with optional lenses)
- Large 7.46:1 best-in-class zoom ratio
- Field of View: 34.3mm-3.6mm (1.35" to 0.14")
- Working Distance: 108mm (4.25")
- Includes high eye point DHW10x (F.N.23) eyepieces for comfortable viewing even for operators with eyeglasses
- Optional eyepieces available include DHW15x (F.N.15) & DHW20x (F.N.11.4)
- Trinocular body type features click stop zoom adjustment for extremely accurate measuring
- Trinocular port includes easy adjust C-mount camera adapter for fine focusing
- Includes rubber eyeguards and dust cover

## SPZH-135 Series Stereo Zoom Microscopes

SPZH-135



- Magnification range: **21x-135x** (14x-180x with optional lenses)
- 6.4:1 zoom ratio
- Field of view: 34.3mm-3.6mm (1.35"-0.14")
- Working distance: 84mm (3.3")
- Includes high eye point DHW15x (F.N.15) eyepieces for comfortable viewing even for operators with eyeglasses
- DHW20x (F.N.11.4) optional eyepieces available
- Trinocular body type features click stop zoom adjustment for extremely accurate measuring
- Trinocular port includes easy adjust C-mount camera adapter for fine focusing
- Includes rubber eyeguards and dust cover

| Product ID | Description |
|---|---|
| SPZH-135 | SPZH-135 Stereo Zoom Binocular Microscope |
| SPZHT-135 | SPZHT-135 Stereo Zoom Trinocular Microscope |

## Optical Data for SPZH-135 & SPZHT-135

| Eyepiece | DHW15x (F.N.15) | | DHW20x (F.N.11.4) | |
|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | Nil | w/0.5x |
| Magnifications | 21x-135x | 10.5x-67.5x | 28x-180x | 14x-90x |
| Working Dist. | 84mm | 135mm | 84mm | 135mm |
| Field of View | 10.7-1.6mm | 21.4-3.3mm | 8.1-1.2mm | 16.2-2.5mm |

# Stereo Zoom Microscopes

AVEN Tools for Advancing Innovation™

## DSZ-44 Series Stereo Zoom Microscopes

DSZV-44



- Magnification Range: **10x-44x** (2.5x-140.8x with optional lenses)
- Zoom ratio: 4.4:1
- Field of view 23mm to 5.2mm (0.90" to 0.20")
- Working distance: 90mm (3.54")
- Includes Wide Field DSW10x (F.N.23) eyepieces
- Optional eyepieces available include DSW5x (F.N.22.5), DSW15x (F.N.15) & DSW20x (F.N.11.4)
- Trinocular port includes easy adjust C-mount camera adapter for fine focusing
- Includes rubber eyeguards and dust cover

| Product ID | Description |
|---|---|
| DSZ-44 | DSZ-44 - Stereo Zoom Binocular Microscope |
| DSZV-44 | DSZV-44 - Stereo Zoom Trinocular Microscope |

## DSZ-70 Series Binocular Stereo Zoom Microscopes

DSZ-70



- Magnification Range: **20x-70x** (5x-224x with optional lenses)
- 3.5:1 zoom ratio
- Field of view: 10mm-2.8mm (0.39"-0.11")
- Working Distance: 80mm (4.25")
- Includes DSW10xZ (F.N.20) eyepieces
- Optional eyepieces available include DSW5xZ (F.N.20), DSW15x (F.N.15) & DSW20x (F.N.11.4)
- Versatile binocular microscope best suited for high magnification applications
- Includes rubber eyeguards and dust cover

| Product ID | Description |
|---|---|
| DSZ-70 | DSZ-70 - Binocular Stereo Zoom Microscope |

## Optical Data for DSZ-44 & DSZV-44

| Eyepiece \| DSW5x (F.N. 22.5) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 5x-22x | 2.5x-11x | 3.75x-16.5x | 8x-35.2x | 13.4x-100x |
| Working Dist. | 90mm | 150mm | 105mm | 45mm | 41mm |
| Field of View | 22.5-5.1mm | 45-10.2mm | 30-6.8mm | 14-3.1mm | 17.1-2.3mm |

| Eyepiece \| DSW10x (F.N. 23) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 10x-44x | 5x-22x | 7.5x-33x | 16x-70.4x | 13.4x-100x |
| Working Dist. | 90mm | 150mm | 105mm | 45mm | 41mm |
| Field of View | 23-5.2mm | 46-10.4mm | 30.6-6.9mm | 14.3-3.2mm | 17.1-2.3mm |

| Eyepiece \| DSW15X (F.N. 15) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 15x-66x | 7.5x-33x | 11.25x-49.5x | 24x-105.6x | 13.4x-100x |
| Working Dist. | 90mm | 150mm | 105mm | 45mm | 41mm |
| Field of View | 15-3.4mm | 30-6.8mm | 20-49.5mm | 9.3-2.1mm | 17.1-2.3mm |

| Eyepiece \| DSW20X (F.N. 11.4) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/2x |
| Magnifications | 20x-88x | 10x-44x | 15x-66x | 32x-140.8x | 13.4x-100x |
| Working Dist. | 90mm | 150mm | 105mm | 45mm | 41mm |
| Field of View | 11.4-2.5mm | 22.8-5.1mm | 15.2-3.45mm | 7.1-1.6mm | 17.1-2.3mm |

## Optical Data for DSZ-70

| Eyepiece \| DSW5xZ (F.N.20) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/1.6x |
| Magnifications | 10x-35x | 5x-17.5x | 7.5x-26.25x | 16x-56x | 16x-56x |
| Working Dist. | 80mm | 120mm | 85mm | 41mm | 41mm |
| Field of View | 10-2.9mm | 20-5.7mm | 13.3-3.8mm | 6.2-1.7mm | 6.2-1.7mm |

| Eyepiece \| DSW10xZ (F.N. 20) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/1.6x |
| Magnifications | 20x-70x | 10x-35x | 15x-52.5x | 32x-112x | 32x-112x |
| Working Dist. | 80mm | 120mm | 85mm | 41mm | 41mm |
| Field of View | 10-2.8mm | 20-5.7mm | 13.3-3.8mm | 6.2-1.7mm | 6.2-1.7mm |

| Eyepiece \| DSW15x (F.N. 15) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/1.6x |
| Magnifications | 30x-105x | 15x-52.5x | 22.5x-78.75x | 48x-168x | 48x-168x |
| Working Dist. | 80mm | 120mm | 85mm | 41mm | 41mm |
| Field of View | 7.5-2.1mm | 15-4.2mm | 10-2.8mm | 4.6-1.3mm | 4.6-1.3mm |

| Eyepiece \| DSW20x (F.N. 11.4) | | | | | |
|---|---|---|---|---|---|
| Auxiliary Lens | Nil | w/0.5x | w/0.75x | w/1.6x | w/1.6x |
| Magnifications | 40x-140x | 20x-70x | 30x-105x | 64x-224x | 64x-224x |
| Working Dist. | 80mm | 120mm | 85mm | 41mm | 41mm |
| Field of View | 5.7-1.6mm | 11.4-3.2mm | 7.6-2.1mm | 3.5-1mm | 3.5-1mm |

## Design Your Own Microscope System

With a large variety of cameras, lighting options, stands and focus mounts, you can create and order your own customized microscope system on **AvenTools.com**. If you need help creating a custom system, please call our experienced sales team at **734.973.0099** and let them assist you in creating a tailor made solution that will meet your specific requirements.

# Stereo Zoom Microscopes



## SPZH-135 Stereo Zoom Binocular Microscope on Stand PLED

- Magnification Range: 21x-135x
- Zoom ratio: 6.4:1
- Field of view: 10.7-1.6mm (0.42"-0.6")
- Working Distance: 84mm (3.3")
- Includes high eye point DHW15x (F.N.15) eyepieces for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary distance of 50mm-74mm (1.96"-2.91") accommodates any operator
- Pole stand with built-in LED illumination with dimmer control
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work



26800B-351

| Product ID | Description |
|---|---|
| 26800B-351 | SPZH-135 Stereo Zoom Binocular Microscope on Stand PLED |

## SPZH-135 Stereo Zoom Microscope with DBL Arm Boom, EARM, LED FOI illumination

- Magnification Range: 21x-135x
- Zoom ratio: 6.4:1
- Field of view: 10.7-1.6mm (0.42"-0.6")
- Working distance: 84mm (3.3")
- Includes high eye point DHW15x (F.N.15) eyepieces for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable interpupillary distance of 50mm to 74mm (1.96" to 2.91") accommodates any operator
- Mounted in an E-ARM focus mount attached to a Double Arm Boom Stand that delivers the smooth movement of a ball bearing slide, letting the microscope glide easily over objects
- High Output LED fiber optic illuminator and ring light provide clear illumination for imaging
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work



26800B-352

| Product ID | Description |
|---|---|
| 26800B-351 | SPZH-135 Stereo Zoom Binocular Microscope on Stand PLED |

**Visit AvenTools.com or call us at 734-973-0099 for more information**

## SPZ-50 Series Stereo Zoom Microscope System with Ring Light w/Adjustable Polarizer

- Superior optics with crystal clear high resolution images
- Magnification Range: 6.7x-50x
- Compact, durable metal post stand with base
- 120 LED ring light with adjustable polarizer reduces the glare from shiny or reflective objects
- Available with Mighty Cam® Eidos or as a binocular system



26800B-373-3

| Product ID | Description |
|---|---|
| 26800B-373-2 | SPZ-50 Stereo Zoom Binocular Microscope System with Ring Light w/Adjustable Polarizer |
| 26800B-373-3 | SPZV-50 Stereo Zoom Trinocular Microscope System with Eidos Camera and Ring Light w/Adjustable Polarizer |

## SPZ-50 Stereo Zoom Binocular Microscope System with Polarized Ring Light

- Superior optics with crystal clear high resolution images
- Magnification range: 6.7x-50x
- Compact, durable metal post stand with base
- 60 LED ring light with adjustable polarizer reduces the glare from shiny or reflective objects



26800B-373-4

| Product ID | Description |
|---|---|
| 26800B-373-4 | SPZ-50 Stereo Zoom Binocular Microscope System with Polarized Ring Light |

## SPZV-50 Series Stereo Zoom Microscope on Stand DABS with LED E-Arm Focus Mount

26800B-373-7



- Superior optics with crystal clear high resolution images
- Magnification range: 6.7x-50x
- Compact, durable metal post stand with base
- E-Arm Focus mount with built in LED Ring Light
- Double Arm Boom Stand that delivers the smooth movement of a ball bearing slide, letting the microscope glide easily over objects

| Product ID | Description |
|---|---|
| 26800B-373-7 | SPZ-50 Stereo Zoom Binocular Microscope with Double Arm Boom Stand and Focus Mount with LED Illumination |
| 26800B-373-7 | SPZV-50 Stereo Zoom Trinocular Microscope with 1080p HD 2M Camera and Double Arm Boom Stand with LED Focus Mount + HD Monitor |

# Stereo Zoom Microscopes



## SPZ-50 Stereo Zoom Binocular Microscope on Stand DABS w/ Integrated LED Ring Light

26800B-369



- Magnification range: 6.7x-50x
- Large zoom ratio: 7.46:1
- Field of view: 34.3mm-4.6mm (1.35"-0.18")
- Working Distance: 108mm (4.25")
- Includes high eye point DHW10x (F.N.23) eyepieces for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 52mm to 75mm (2.04" to 2.95") accommodates any operator
- Double Arm Boom Stand delivers smooth movement of a ball bearing slide, letting the microscope glide easily across objects
- Tiltable arbor enables you to angle the microscope for maximum comfort and viewing
- Integrated 60 LED Ring Light with dimmer
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-369 | SPZ-50 Stereo Zoom Binocular Microscope on Stand DABS & Integrated LED Ring Light |

## SPZ-50 Stereo Zoom Binocular Microscope on Stand DABS with LED FOI

26800B-370



- Magnification range: 6.7x-50x
- Large zoom ratio: 7.46:1
- Field of view: 34.3mm-4.6mm (1.35"-0.18")
- Working Distance: 108mm (4.25")
- Includes high eye point DHW10x (F.N.23) eyepieces for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable interpupillary distance of 52mm-75mm (2.04"-2.95") accommodates any operator
- Double Arm Boom Stand delivers smooth movement of a ball bearing slide, letting the microscope glide easily across objects
- Tiltable arbor enables you to angle the microscope for maximum comfort and viewing
- High-output LED fiber optic illuminator and ring light provide clear illumination for imaging
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-370 | SPZ-50 Stereo Zoom Binocular Microscope on Stand DABS w/ LED FOI |

## SPZ-50 Stereo Zoom Binocular Microscope on Stand PLED

26800B-371



- Magnification range: 6.7x-50x
- Large zoom ratio: 7.46:1
- Field of view: 34.3mm-4.6mm (1.35"-0.18")
- Working distance: 108mm (4.25")
- Includes high eye point DHW10x (F.N.23) eyepieces for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable interpupillary distance of 52mm-75mm (2.04"-2.95") accommodates any operator
- Pole stand with built in LED illumination with dimmer control
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-371 | SPZ-50 Stereo Zoom Binocular Microscope on Stand DABS & Integrated LED Ring Light |

## SPZ-50 Stereo Zoom Microscope on Stand P with Diffuse Axial LED Illuminator

26800B-384



- Magnification range: 6.7x-50x
- Large zoom ratio: 7.46:1
- Field of view: 34.3mm-4.6mm (1.35"-0.18")
- Working distance: 108mm (4.25")
- Includes high eye point DHW10x (F.N.23) eyepieces for comfortable viewing even for operators with eyeglasses
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 52mm to 75mm (2.04" to 2.95") accommodates any operator
- Compact lightweight pole stand with focus mount
- Diffuse Axial LED Illuminator, ideal for viewing highly reflective parts, eliminates hot spots & reduces glare
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-371 | SPZ-50 Stereo Zoom Binocular Microscope on Stand DABS & Integrated LED Ring Light |

See Aven's exclusive article:

**"How to Select the Right Microscope or Video Inspection System"**

Visit www.AvenTools.com

# Stereo Zoom Microscopes



## DSZ-44 Stereo Zoom Binocular Microscope on Stand DABS with LED FOI


26800B-303

- Magnification range: 10x-44x
- Zoom ratio: 4.4:1
- Field of view: 23-5.2mm (0.91"-0.2")
- Working distance: 90mm (3.54")
- Includes wide field DSW10x (F.N.23) eyepieces
- Diopter adjustment on both eyepiece tubes
- Adjustable Interpupillary Distance of 52mm-75mm (2.04"-2.95") accommodates any operator
- Double Arm Boom Stand delivers smooth movement of a ball bearing slide, letting the microscope glide easily across objects
- Tiltable arbor enables you to angle the microscope for maximum comfort and viewing
- High Output LED fiber optic illuminator and ring light provides clear illumination for imaging
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-303 | DSZ-44 Stereo Zoom Binocular Microscope on Stand DABS with LED Fiber Optic Illuminator |

## DSZ-70 Stereo Zoom Binocular Microscope on Stand P with LED FOI


26800B-344

- Magnification range: 20x-70x
- Zoom ratio: 3.5:1
- Field of view: 10mm-2.8mm (0.39"-0.11")
- Working distance: 80mm (3.15")
- Includes wide field DSW10xZ (F.N.20) eyepieces
- Diopter adjustment on both eyepiece tubes
- Adjustable interpupillary distance of 52mm-75mm (2.04"-2.95") accommodates any operator
- Compact, lightweight pole stand with focus mount
- High Output LED fiber optic illuminator and ring light provide clear illumination for imaging
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-344 | DSZ-70 Stereo Zoom Binocular Microscope on Stand P with LED FOI |

## DSZ-44 Gemscope


26800B-386

- Magnification range: 10x-44x
- Zoom ratio: 4.4:1
- Field of view: 23-5.2mm (0.91"-0.2")
- Working distance: 90mm (3.54")
- Includes wide field DSW10x (F.N.23) eyepieces
- Diopter adjustment on both eyepiece tubes
- Adjustable interpupillary distance of 52mm-75mm (2.04"-2.95") accommodates any operator
- Gemology stand (inclines from 0°-10°) with independently controllable fluorescent front light and dimmable halogen pipe light with separate controls
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-386 | DSZ-44 Gemscope |

## DSZV-44 Stereo Zoom Trinocular Microscope on Stand PLED with Mighty Cam® USB 5M CMOS Camera


26800B-323

- Magnification range: 10x-44x
- Zoom ratio: 4.4:1
- Field of view: 23mm-5.2mm (0.91"-0.2")
- Working distance: 90mm (3.54")
- Includes wide field DSW10x (F.N.23) eyepieces
- Diopter adjustment on both eyepiece tubes
- Adjustable interpupillary distance of 52mm-75mm (2.04"-2.95") accommodates any operator
- Mighty Cam® USB 5M CMOS Camera with ezMeasure software
- Pole stand with built-in LED illumination with dimmer control
- Multi coated optical components, free from chromatic and spherical aberration
- Coarse and fine focusing, ideal for fine detail work

| Product ID | Description |
|---|---|
| 26800B-323 | DSZV-44 Stereo Zoom Trinocular Microscope on Stand PLED with Mighty Cam® USB 5M CMOS Camera |

# Video Inspection Systems



## Macro Zoom 3x – 42x Lens System

26700-182




- Focal length: 12-36mm
- C/CS mount
- Working distance 20mm~300mm
- Ideal for quality assurance or assembly applications where easy to view, sharp and true to life magnified image of your product is required. The Macro Zoom 3x-42x offers unsurpassed clarity and parfocal zoom capabilities. Compatible with cameras with C/CS mount. Includes a soft travel pouch.

| Product ID | Description |
|---|---|
| 26700-182 | Macro Zoom 3x-42x Lens System |

## Computar MLH 10x Lens

26700-181




- f/5.6 to 32C manual iris
- 21.6-4.5° diagonal FOV
- Manual zoom (10x) and focus
- 0.15-0.45m Focus
- C-Mount connection
- Computar Manual Zoom Lenses provide manual adjustment of focal length, iris and focus. For use where a variable angle of view is required. Main applications for this lens include inspection, machine vision and robotics.
- This system requires an adapter plate

| Product ID | Description |
|---|---|
| 26700-181 | Macro Zoom 3x-42x Lens System |
| 26700-181AP | Adapter Plate for Macro Lens 26700-181 |

## Need a Product Demonstration?

Request one at www.AvenTools.com

## Macro Lens System Zoom 7000

26700-180




- 6:1 zoom ratio
- 6x magnification over focal range of 18mm-108mm (0.71"-4.25")
- Working distance 127mm (5") to Infinity
- Compatible with cameras 16.9mm (0.67") or smaller
- The Zoom 7000 is a close focusing macro video lens ideal for applications where objects over 25mm (1") in diameter must be imaged. It offers unsurpassed clarity and parfocal zoom capabilities. Compatible with cameras 2/3" (16.9mm) or smaller. Ideal for quality assurance or assembly applications where easy to view, sharp and true to life magnified image of your product is required.
- This system requires an adapter plate

| Product ID | Description |
|---|---|
| 26700-180 | Macro Lens System Zoom 7000 |
| 26700-180AP | Adapter Plate for Macro Lens Zoom 7000 |

## Micro Lens System Zoom 640




26700-151

- Infinity Optical Design for large depth of field and zoom ratio
- Parfocal throughout zoom range
- Compact design
- High contrast images and vivid colors
- Aven Micro Lens System produces crisp and clear images that are distortion free and void of chromatic aberration. This lens system comes with detents which allows you to calibrate the lens for measurement repeatability. Comes standard with 1x C-mount coupler and 1x objective lens. Total magnification is 0.6x-4.0x, Field of View is 6mm x 8mm at low magnification and 0.8mm x 1.2mm at high magnification. Working distance is 82mm. Additional couplers and objective lenses are available to help you configure a lens system to meet your application.

| Product ID | Description |
|---|---|
| 26700-151 | Micro Lens System Zoom 640 |

## Create Your Own Custom Video Inspection System

With a large variety of adapters, auxiliary lenses, cameras, lighting options, video capture cards and stands you can create and order your own customized video inspection system on our website. If you need help creating a custom video inspection system, please call our experienced sales team at **734-973-0099** or **sales@aventools.com** and let us assist you in creating a tailor made solution that will meet your specific requirements. Whether you are inspecting objects like integrated circuits, solder joints and small parts, or you require magnification for precision assembly, we can provide a customized solution to fit your needs.

# Video Inspection Systems



## Micro Lens System Zoom 640 with In Line LED Coaxial Illumination

- Inline Coaxial Illumination for highly reflective surfaces
- Aven Micro Lens System with inline Coaxial Illumination is ideal for applications involving highly reflective surfaces, such as wafers, polished parts and fluids. This lens system will provide even illumination in high magnification applications. This lens system comes with detents which allows you to calibrate the lens for measurement repeatability. Comes standard with 1x C-mount coupler and 1x objective lens and LED illuminator with intensity control. Total magnification is 0.6x to 4.0x, Field of view is 6mm x 8mm at low magnification and 0.8mm x 1.2mm at high magnification. Working distance is 82mm. Additional couplers and objective lenses are available to help you configure a lens system to meet your application.




26700-151-CX

| Product ID | Description |
|---|---|
| 26700-151-CX | Micro Lens System Zoom 640 with In Line LED Coaxial Illumination |

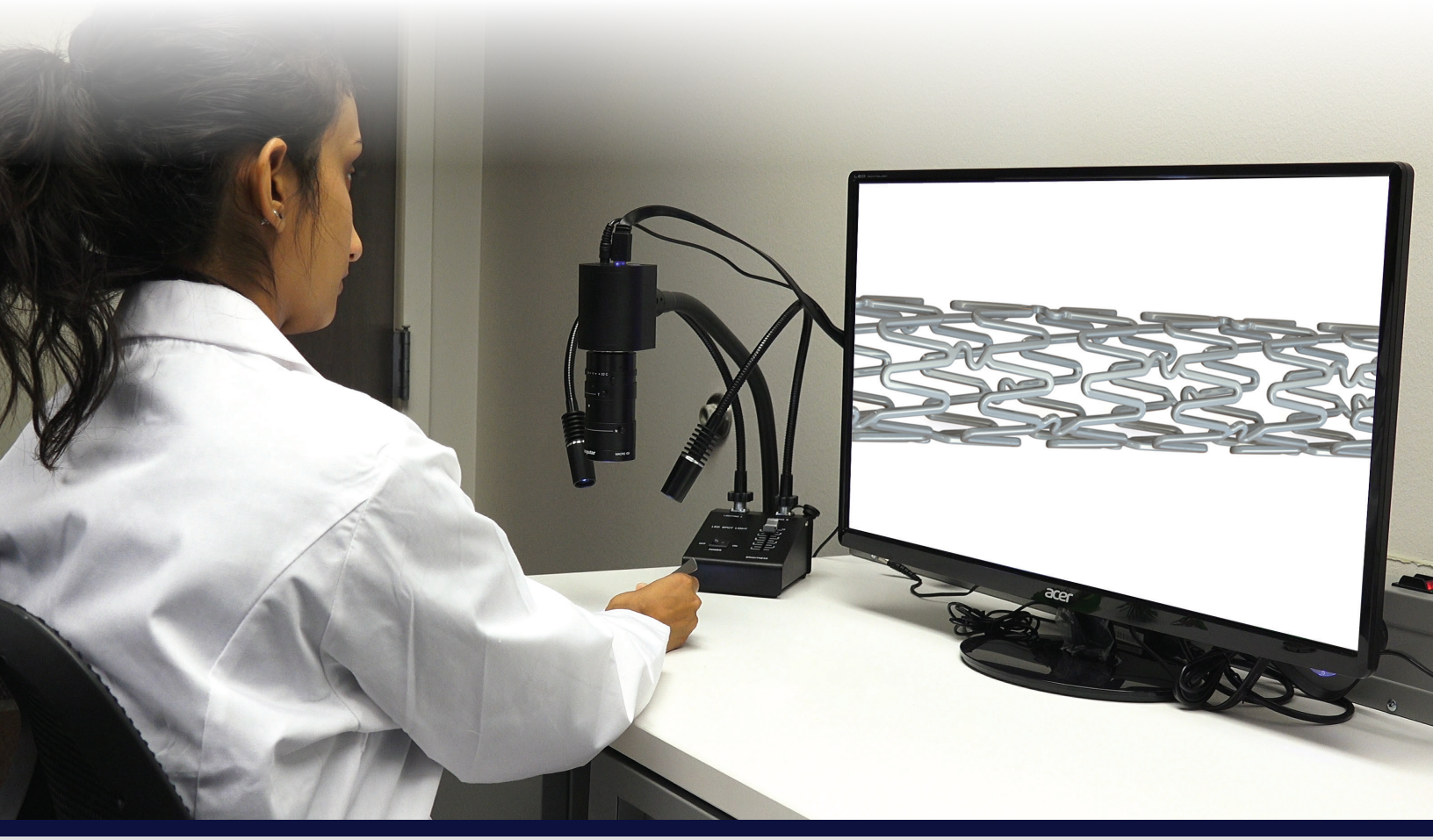
## Micro Lens System FM123

- Four Lenses
- Switchable Magnification
- Object stays in focus when switching magnification
- Can be used as a monocular microscope with included 10x eyepiece
- C-Mount Adapter Included
- The Micro FM123 lens has four switchable lenses, 0.78x, 1.56x, 2.34x and 3.12x, located in the unit. Simply rotate the head to switch between magnifications. It includes a 10x eyepiece which allows you to use the lens as a monocular microscope with magnification of 7.8x, 15.6x, 23.4x and 31.2x. Using a 1/3" CCD camera and a 19" monitor, the on screen magnification is about 62x, 125x, 188x and 250x subject to 4:3 aspect ratio of both screen and camera chip. For other aspect ratio such as 16:9, these magnifications may change depending on the screen and the camera used. Ideal for high magnification field of view measurement.

26700-185




| Product ID | Description |
|---|---|
| 26700-185 | Micro Lens System FM123 |



# Video Inspection Systems



## Adapter Plate for Macro Lens Zoom 7000

- Adapter for Macro Lens Zoom 7000
- For focus mounts (26800B-517 & 26800B-518)
- Outside diameter: 73mm
- Inside diameter: 46.75mm
- 22.5mm height

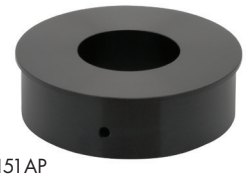


26700-180AP

| Product ID | Description |
|---|---|
| 26700-180AP | Adapter Plate for Macro Lens Zoom 7000 |

## Adapter Plate for Micro Lens 640

- Adapter for Micro Lens 640
- For focus mounts (26800B-517 & 26800B-518)
- Outside diameter: 73mm
- Inside diameter: 35.25mm
- 24mm height



26700-151 AP

| Product ID | Description |
|---|---|
| 26700-151AP | Adapter Plate for Micro Lens 640 |

## Adapter Plate for Macro Lens 26700-181

- Adapter for Macro Lens Zoom 26700-181
- Outside diameter: 84mm
- Inside diameter: 47mm
- 0.75mm height




26700-181 AP

| Product ID | Description |
|---|---|
| 26700-181AP | Adapter Plate for Macro Lens 26700-181 |

## C-Mount Coupler 0.5x

- Mounts to Micro Video Lens System Zoom 640
- Reduces magnification by 0.5x
- Ideal for cameras with sensors 12.7mm (1/2") or larger
- Can be used with any C-Mount camera
- See optical specification chart for more details




26700-156

| Product ID | Description |
|---|---|
| 26700-156 | C-Mount Coupler 0.5x |

## C-Mount Coupler 1.0x

- Mounts to Micro Video Lens System Zoom 640
- Increases magnification by 1x
- Ideal for with sensors less than 16.9mm (2/3")
- Can be used with any C-Mount camera
- See optical specification chart for more details




26700-158

| Product ID | Description |
|---|---|
| 26700-158 | C-Mount Coupler 1.0x |

## Objective Lens 0.5x

- Objective Lens for Micro Video Lens System Zoom 640
- Reduces magnification by 0.5x
- Color corrected lens system
- Working distance 175mm (6.9")
- See optical specification chart for more details




26700-162

| Product ID | Description |
|---|---|
| 26700-162 | Objective Lens 0.5x |

## Objective Lens 0.75x

- Objective Lens for Micro Video Lens System Zoom 640
- Reduces magnification by 0.75x
- Color corrected lens system
- Working distance 117mm (4.6")
- See optical specification chart for more details




26700-163

| Product ID | Description |
|---|---|
| 26700-163 | Objective Lens 0.5x |

## Objective Lens 1x

- Objective Lens for Micro Video Lens System Zoom 640
- Color corrected lens system
- Working distance 82mm (3.2")
- See optical specification chart for more details




26700-164

| Product ID | Description |
|---|---|
| 26700-164 | Objective Lens 1x |

## Objective Lens 1.5x

- Objective Lens for Micro Video Lens System Zoom 640
- Increases magnification by 1.5x
- Color corrected lens system
- Working distance 54mm (2.1")
- See optical specification chart for more details




26700-165

| Product ID | Description |
|---|---|
| 26700-165 | Objective Lens 1.5x |

## Objective Lens 2x

- Objective Lens for Micro Video Lens System Zoom 640
- Increases magnification by 2x
- Color corrected lens system
- Working distance 35mm (1.4")
- See optical specification chart for more details




26700-166

| Product ID | Description |
|---|---|
| 26700-166 | Objective Lens 2x |

# Video Inspection Systems



## Optical Data Chart

| Objective | | | CCD Coupler | |
|---|---|---|---|---|
| Magnification | Working Distance | | 0.5X | 1X |
| 0.3X | WD:293mm | Total Mag. | 0.09X--0.6X | 0.18X--1.2X |
| | | FOV(mm) | 40X53.33--6X8 | 20X26.67--3X4 |
| 0.5X | WD:175mm | Total Mag. | 0.15X--1X | 0.3X--2X |
| | | FOV(mm) | 24X32--3.6X4.8 | 12X16--1.8X2.4 |
| 0.75X | WD:117mm | Total Mag. | 0.225X--1.5X | 0.45X--3X |
| | | FOV(mm) | 16X21.33-2.4X3.2 | 8X10.67-1.2x1.6 |
| 1X | WD: 82mm | Total Mag. | 0.3X-2X | 0.6X-4X |
| | | FOV(mm) | 12X16-1.8X2.4 | 6X8-0.9X1.2 |
| 1.5X | WD:54mm | Total Mag. | 0.45X-3X | .9X-6X |
| | | FOV(mm) | 8X10.67-1.2X1.6 | 4X5.33-0.6X0.8 |
| 2X | WD:35mm | Total Mag. | 0.6X-4X | 1.2X-8X |
| | | FOV(mm) | 6X8-0.9X1.2 | 3X4-0.45X0.6 |

## Cyclops Micro Digital Microscope with Micro Zoom Lens

- 29x-185x magnification with Micro lens
- Auto/manual focus
- 1080p HD output via HDMI cable. No computer required for image processing.
- Universal C-mount camera lens

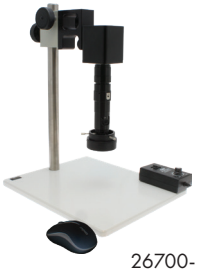


26700-421

| Product ID | Description |
|---|---|
| 26700-421 | Cyclops Micro Digital Microscope with Micro Zoom Lens |

## Mighty Mag Auto Focus Micro Lens System with 64GB USB Drive

- Magnification range: 57.6x-384x
- Field of view: 16mm-1.8mm at a 3" working distance
- Save high resolution image/video files to the included 64GB USB Drive No external recording device required.



26700-109

| Product ID | Description |
|---|---|
| 26700-109 | Mighty Mag Auto Focus Micro Lens System with 64GB USB Drive |

## Eidos High Mag Inspection System for Small Parts

- Magnification on the 11.6" screen are: Setting 1x. Mag: 40x; Setting 2x, Mag 75x; Setting 3x, Mag 110x and Setting 4x, Mag 150x
- 3" working distance
- Designed for examination of small parts such has stents, PCB boards, etc.



System-260-185

| Product ID | Description |
|---|---|
| System-260-185 | Eidos High Mag Inspection System for Small Parts |

## Cyclops Macro Digital Microscope with Macro Zoom Lens

- 3x-43x magnification with Macro lens
- Auto/manual focus
- 1080p HD output via HDMI cable. No computer required for image processing.
- Universal C-mount camera lens



26700-420

| Product ID | Description |
|---|---|
| 26700-420 | Cyclops Micro Digital Microscope with Micro Zoom Lens |

## Mighty Mag Auto Focus Macro Lens System with 64GB USB Drive

- Provides instant focus from any angle with a sharp 1080p full HD image
- Save high resolution image/video to the included 64GB USB drive
- Ideal for inspecting layered objects like PCBs



26700-108

| Product ID | Description |
|---|---|
| 26700-108 | Mighty Mag Auto Focus Macro Lens System with 64GB USB Drive |

## Macro Vue Eidos Video Inspection System with Gliding Boom Stand

- 7x-40x magnification at a 6" working distance
- The Gliding Boom Stand smoothly glides across large objects
- Built-in SD card slot for instant image/ video capture, no computer required



26700-118

| Product ID | Description |
|---|---|
| 26700-118 | Macro Vue Eidos Video Inspection System with Gliding Boom Stand |

## Macro Vue Eidos Video Inspection System with Standard Stand

- 7x-40x magnification at a 6" working distance
- Wide zoom range for general inspection
- Built-in SD card slot for instant image/video capture, no computer required



26700-117

| Product ID | Description |
|---|---|
| 26700-117 | Macro Vue Eidos Video Inspection System with Standard Stand |

See Aven's exclusive article:

**"How to Select the Right Microscope or Video Inspection System"**

Visit www.AvenTools.com

# Video Inspection Systems

AVEN Tools for Advancing Innovation™

## Macro Series Zoom 7000 PK M2 Auto Focus

- Large magnification range of 3.7x-61.9x
- Large working distance of 117.8-304.8mm
- Double Arm "Easy Glide" Boom Stand with heavy base for stability
- Instant auto focus at any angle
- PC not required for image processing
- 6:1 zoom allows for quick magnification

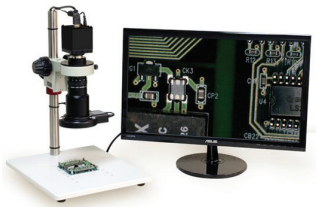


26700-103-10-AF

| Product ID | Description |
|---|---|
| 26700-103-10-AF | Macro Series Zoom 7000 PK M2 Auto Focus |

## Macro Series Zoom 7000 PK M1 Auto Focus

- Large magnification range of 3.7x-61.9x
- Large working distance of 117.8-304.8mm
- Instant auto focus at any angle
- PC not required for image processing
- 6:1 zoom allows for quick magnification



26700-103-00-AF

| Product ID | Description |
|---|---|
| 26700-103-00-AF | Macro Series Zoom 7000 PK M1 Auto Focus |

## AutoFlex Video Inspection System with 1080p Auto Focus Camera & FlexArm Stand, 64 GB USB Drive Card

- Achieve instant auto focus – no need to adjust the focus of the lens
- Ultimate flexibility: 18" flexible arm with a 360 ball joint provides limitless positioning options
- Superior optics: 3x-80x magnification at a 6" working distance
- Crystal clear viewing on a 22" 1080p montior
- LED ring light with 96 ultra-bright, adjustable LEDs
- SD Card for image/video capture



26700-121

| Product ID | Description |
|---|---|
| 26700-121 | AutoFlex Video Inspection System with 1080p Auto Focus Camera & FlexArm Stand, 64 GB USB Drive Card \| **Table Clamp** |
| 26700-120 | AutoFlex Video Inspection System with 1080p Auto Focus Camera & FlexArm Stand, 64 GB USB Drive Card \| **Magnetic Base** |



26700-420

# Video Inspection Accessories

AVEN Tools for Advancing Innovation™

## Boom Stand Mounting Post for Inspection Cameras and Cyclops Digital Microscopes

- Mounting post designed to be used with Aven boom stands and articulating arm stands
- Features 1/4-20 screw mount, compatible with all Aven cameras and Cyclops Digital Microscopes



26800B-600

| Product ID | Description |
|---|---|
| 26800B-600 | Boom Stand Mounting Post for Inspection Cameras and Cyclops Digital Microscopes |

## ZEN Mount Arm for Video Inspection Systems

- 12"-16" versatile. lightweight teloscoping mount
- Two ball joints allow camera to be positioned at nearly any angle
- 360° rotation
- 1/4" screw mount compatible with most cameras
- Table clamp with up to 3" opening



26700-413

| Product ID | Description |
|---|---|
| 26700-413 | ZEN Mount Arm for Video Inspection Systems |

## 18" Flex Arm with 360° Swivel Head and Magnetic Base

- 18" flexible arm stays in place in any position
- 1/4" screw mount compatible with most retail cameras, inspection cameras, and the Cyclops Digital Microscope
- Features an attached 3" magnetic base



26800B-558

| Product ID | Description |
|---|---|
| 26800B-558 | 18" Flex Arm with 360° Swivel Head and Magnetic Base |

## 18" Flex Arm with 360° Swivel Head and 2" Table Clamp

- 18" flexible arm stays in place in any position
- 1/4" screw mount compatible with most retail cameras, inspection cameras, and the Cyclops Digital Microscope
- Features a table clamp with 2" opening



26800B-557

| Product ID | Description |
|---|---|
| 26800B-557 | 18" Flex Arm with 360° Swivel Head and 2" Table Clamp |

## Articulating Arm Stand for Video Inspection Systems

- 15.5" post with a 20.5" articulating arm
- The arm can be locked in place at any point along the stand
- The end of the arm features a ball joint for rotating the camera 360°
- Features a heavy duty table clamp



26700-400-AAS

| Product ID | Description |
|---|---|
| 26700-400-AAS | Articulating Arm Stand for Video Inspection Systems |

## Monitor Mount for Aven Boom Stands

- Turn your boom stand into a monitor stand with this heavy duty monitor mount
- Securely connects to the opening at the end of the boom arm
- Tilts up and down for the ideal angle



26800B-555-MM

| Product ID | Description |
|---|---|
| 26800B-555-MM | Monitor Mount for Aven Boom Stands |

## LCD Monitor Mount, 542 Series, 12" Post Height

- Meets VESA standards: fits monitors with 100mm x 100mm mounting patterns
- Arms have 360° swivel and rotation and -15 to +15 degree tilt adjustment
- Made of high grade steel and aluminum
- Holds wide screen display up to 27"



26700-411

| Product ID | Description |
|---|---|
| 26700-411 | LCD Monitor Mount, 542 Series, 12" Post Height |

Looking for something else?
There's **more stands on pages 23-24!**
Or visit www.AvenTools.com

# CMOS Cameras



## Mighty Cam® HDMI Color Camera 2.0M w/USB Flash Drive & Built-in Measurement Software

- Aven's color HDMI camera with built in USB Flash Drive and measurement software, is a simple solution to those that need to inspect and measure with accuracy. A PC is not required for image processing and no software to install. Images with measurement data can be saved to the built in USB Flash Drive using the remote trigger (included). Built in software includes the following features: Edge Detection, Live/ Freeze Image, Measure line, circle, radius, angle and parallel lines.



26100-254

- Compact 720p color camera with VGA output
- Live/Freeze Image Function; Cross Hair for quick gaging
- Produces crisp and clear color images in widescreen format
- Auto gain exposure setting to reduce glare
- On screen menu for quick access to camera settings

| Product ID | Description |
|---|---|
| 26100-254 | Mighty Cam® HDMI Color Camera 2.0M w/USB Flash Drive & Built-in Measuremenet Software |

## Mighty Cam® Auto Focus with SD Card

- Achieve instant focus without the need to constantly adjust your lens. Ideal for inspecting multilayered objects such as PCBs. View crystal clear 1080p images on your HD monitor. Designed for lens systems with a C/CS mount interface. Save high resolution images/video to the included 32 GB micro SD card, no external recording devices required.



26100-257UD

- Provides instant focus from any angle
- Sharp 1080p Full HD image
- Save image and video files to SD card, no external recording device required
- Compatible with C/CS mount video lenses and trinocular microscopes
- Significantly reduces inspection time
- Includes a wireless mouse for access to the interactive menu system

| Product ID | Description |
|---|---|
| 26100-257UD | Mighty Cam® Auto Focus with SD Card |

## Mighty Cam® USB 3.0 6MP CMOS Camera with Imaging Software

- Aven's Mighty Cam® USB 6M CMOS Camera with imaging and measurement software. Create stunning images with outstanding clarity then measure, annotate and analyze with ease with the imaging software.



26100-244

- USB 6M CMOS Camera with Imaging Software
- Easy plug-and-play USB 3.0 interface
- Versatile C/CS lenses mount
- Calibrate measurements, adjust depth of field in real time and create large panoramic images with real-time stitiching feature

| Product ID | Description |
|---|---|
| 26100-244 | Mighty Cam® USB 3.0 6MP CMOS Camera with Imaging Software |

## Mighty Cam® Eidos – 2M Camera with Integrated 11.6" HD Monitor

- Connect to any C/CS mount microscope or video lens. View High Res 1080p HD images on the 11.6" LCD monitor. No computer or external monitor required for inspection or image/video capture. Built-in SD card slot and USB output for PC connectivity. Includes wireless mouse to control menu settings.



26100-260

- Convenient 2-in-1 camera and monitor system
- Simple cable management
- Crisp HD image
- Built in SD card reader for instant image/video capture
- USB output for connection to your PC
- Wireless mouse for access to settings menus
- Grid overlays, compare mode, freeze mode and mirror mode
- Saves premium bench space compared to a monitor

| Product ID | Description |
|---|---|
| 26100-260 | Mighty Cam® Eidos - 2M Camera with Integrated 11.6" HD Monitor |

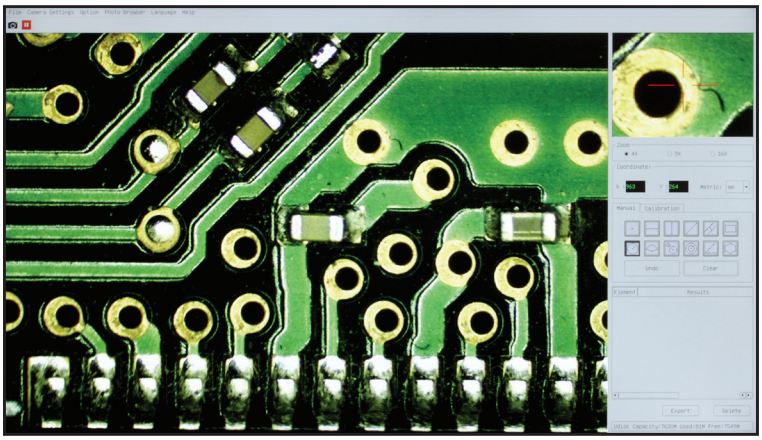
## Design Your Own Microscope System

With a large variety of cameras, lighting options, stands and focus mounts, you can create and order your own customized microscope system on www.**AvenTools.com**. If you need help creating a custom system, please call our experienced sales team at **734-973-0099** and let them assist you in creating a tailor made solution that will meet your specific requirements.

# Imaging & Measurement Software

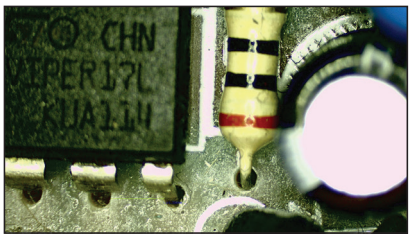
AVEN Tools for Advancing Innovation™

## Measurement Camera Software for 26100-254



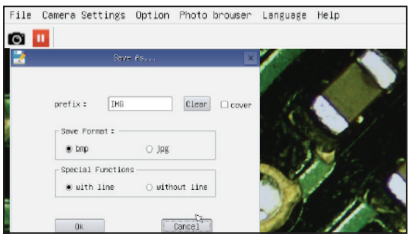
### Measure and Analyze with Ease

The advanced measurement software is able to detect gray scale gradations and can measure a line, circle, radius, angle and parallel lines in millimeters or inches. Users can save five sets of measurement data on the USB Flash Drive, which simplifies comparisons and record-keeping. White balance and exposure can be automatic or one-click mouse functions.



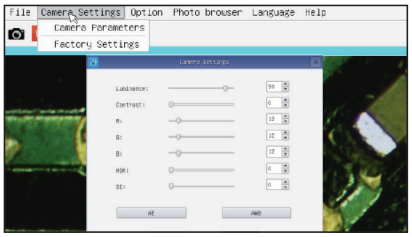
### Capture High Quality Images

Create enhanced still photos with or without measurement lines and save for further analysis.



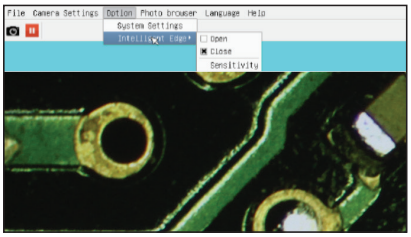

### Optional Capture Settings

Software allows you to choose which image format to save files in (JPG or BMP) and also measurements you added to the image.



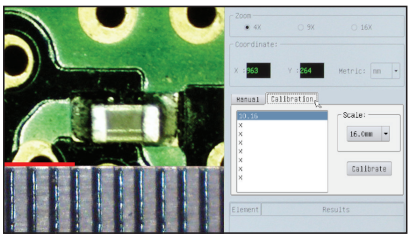

### Camera Settings

The software also allows you to edit all camera settings. Options include luminance, contrast, RGB values, auto exposure and auto white balance.



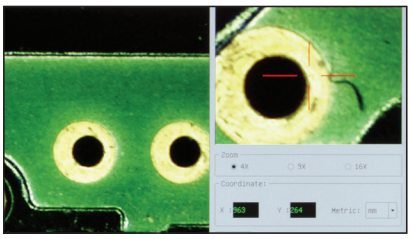

### Edge Detection Tool

Software has an Intelligent Edge detection tool built in for finding boundaries of objects within images. It works by detecting the discontinuities in brightness.




### Easy Measurement Calibration

Calibrating the software for measurement is as simple as placing a ruler or other scale under the lens, selecting the size, e.g. 16mm and pressing the Calibrate button.



### Magnifying Window

Software digitally magnifies the area around the mouse pointer by 4x, 9x and 16x (selectable). This is particularly helpful when you need to see minute features.

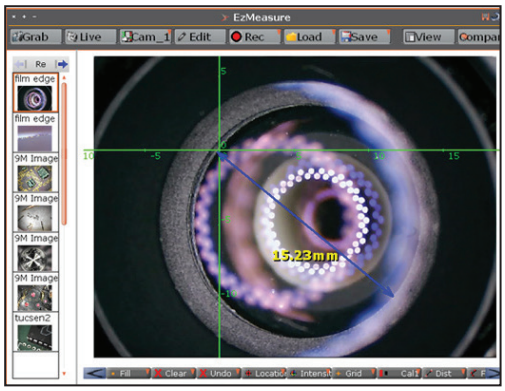
## Additional Features

- Photo Browser displays images saved on USB Flash Drive and can be expanded to full screen for review
- Measurement results are displayed in the side panel and can be exported and saved on the USB Flash Drive
- Multiple measurement tools such as lines, parallel lines, circles and polygons (plotted with up to 10 points) are available in the Manual tab

* Note: Aven recommends that you use a detented lens system or a microscope with click stops for accurate repeatable measurements

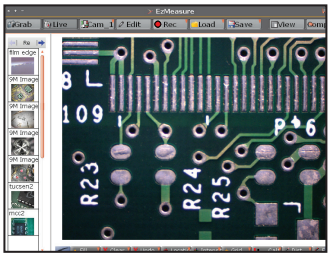
# Imaging & Measurement Software

## ezMeasure® Software



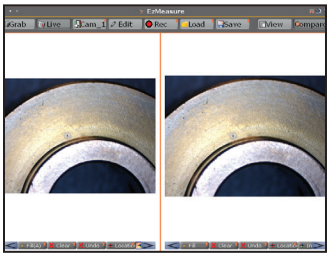

### Measure, Annotate and Analyze with Ease

ezMeasure® software allows you to measure, annotate, and analyze your images with just a few mouse clicks. Create written reports that include the raw data, plus the images involved. With ezMeasure® you can view realtime live images or screenshots from your saved folder which can be reviewed, replayed, and anaylzed. Recent projects are easily accessible with thumbprint menu.



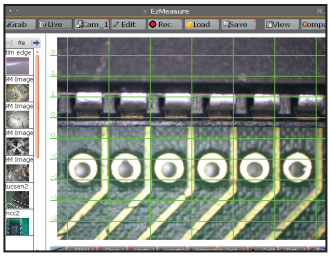
### Capture High Quality Images

Create enhanced still photos or record a live video stream for play back.



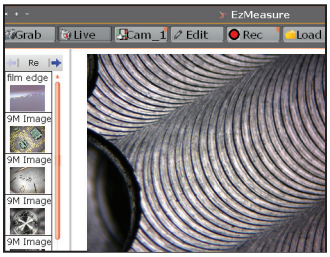
### Simultaneous Live Views

Use two cameras on same work station for side by side live views.



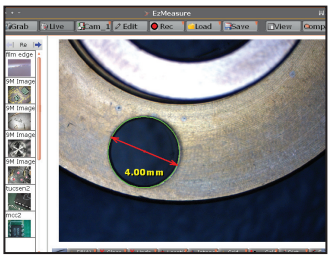
### Grid Feature

Locate and compare with ease using multiple grid views.



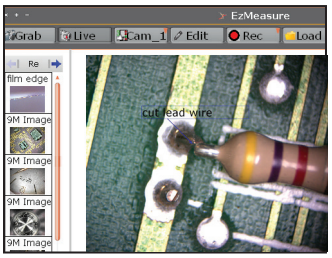
### Customize the Layout

Set the layout to your personal preferences and save your unique settings for future use.




### Measurement Tools

- Set the image pixels to real units eg. mm or inches.
- Record and save multiple calibration settings.
- Measure the distances between different points, or edges.




### Text Button

Allows annotations directly onto the screen. The user has the abiltiy to adjust the size and the appearance of the text.

### Additional Features

- Fill Mode Tool determines the image size: Fit-to-Fill the entire viewing area, Zoomed in, or Preserve the Original aspect ratio.
- Location Button provides a cursor for the X,Y,Z-axis coordinates. Moving the Cursor with the mouse updates the coordinates.

| Product ID | Description |
|---|---|
| 26100-406 | ezMeasure® Software |

# Microscope & Video Accessories

AVEN Tools for Advancing Innovation™

## ProLux LED Fiber Optic Illuminator

- Accepts virtually any light guide with quick change adapters
- Advanced heat pipe technology using metal core PCBs
- Higher brightness, better color, longer life, half the energy consumption and reduced ownership costs
- Linear Light Intensity Control with continuous dimming
- Maintenance-free LEDs have a minimum lifetime of 25,000 Hours



26200A-300

| Product ID | Description |
|---|---|
| 26200A-300 | ProLux LED Fiber Optic Illuminator |

## Dual Pipe Light Guide

- High quality fiber
- Large fiber bundle assures maximum light transmission
- Obedient "stay-up" sheathing for accurate positioning
- Focusable lens on each pipe for individual light control



26200A-523

| Product ID | Description |
|---|---|
| 26200A-523 | Dual Pipe Light Guide |

## LED Ring Light with Adjustable Polarizer

- Ideal for reducing glare when inspecting reflective objects
- 120 adjustable ultra-bright SMD LEDs
- Polarizer dial with reference markers to adjust the level of polarization
- Includes a tinted glass analyzer insert for enhanced polarization effects



26200B-222

| Product ID | Description |
|---|---|
| 26200B-222 | LED Ring Light with Adjustable Polarizer |

## Fiber Optic Ring Light

- High quality glass fiber
- Provides 360° shadow free illumination
- Large fiber bundle ensures maximum light transmission
- Accepts polarizers
- Comes with standard 15.875mm (5/8") adapter
- Inner diameter 58.674mm (2.31")



26200A-402

| Product ID | Description |
|---|---|
| 26200A-402 | Fiber Optic Ring Light |

## Ring Light - Video Lenses

- High quality fiber
- Provides 360° shadow-free illumination
- Large fiber bundle ensures maximum light transmission
- Comes with standard 15.875mm (5/8") adapter
- Inner diameter 28.58mm (1.125")
- Designed for use with Video Lenses



26200A-403

| Product ID | Description |
|---|---|
| 26200A-403 | Ring Light - Video Lenses |

## Polarizer for Fiber Optic Ring Lights

- Helps reduce glare
- Analyzer sits in Counterbore
- Low profile does not inhibit placement of lens or subject



26200A-402P

| Product ID | Description |
|---|---|
| 26200A-402P | Polarizer for Fiber Optic Ring Lights |

## Illumination for Microscopy & Video Inspection

Aven offers a variety of lighting options. Eco-friendly white LED ring lights are designed to be used with standard microscopes and video lenses providing a stable bright light at a very low temperature. Fiber optic illuminators are often referred to as "cold light" illuminators because they provide high intensity focused light without the heat typically associated with high intensity lamps. Additional options include a ring light with polarizer for shiny surfaces as well as diffuse axial LED illuminator for specular & shiny surfaces.

Visit **www.AvenTools.com** or call us at **734-973-0099** if you require help assembling a custom system or choosing the best inspection system for your application.

# Microscope & Video Accessories

AVEN Tools for Advancing Innovation™

## E-Arm Focus Mount w/ Integrated LED Ring Light

- E-Arm compatible with boom stands and articulating arm stands
- 60 integrated LED ring light with dimmer control
- Minimum 20,000 hours of high-output LED illumination
- Fits Aven's binocular and trinocular microscopes
- Low power consumption



26200B-209

| Product ID | Description |
|---|---|
| 26200B-209 | E-Arm Focus Mount w/ Integrated LED Ring Light |

## Ring Light LED with Integrated Focus Mount

- Integrated LED ring light with focus mount with coarse and fine focus
- Eliminates chance of LED ring becoming loose from the microscope
- Increases working distance
- May be used with standard stand, articulating arm stand or either single or double arm boom stands*



26200B-207

| Product ID | Description |
|---|---|
| 26200B-207 | Ring Light LED with Integrated Focus Mount |

## Ring Light LED with Polarizer

- Polarizer with Analyzer is ideal for illuminating shiny or highly reflective parts
- LED lights are flicker free, energy efficient and ecofriendly
- Operates at a low temperature and does not change color over time
- Inner diameter is 70mm (2.75") with three thumb screws for easy mounting



26200B-214

| Product ID | Description |
|---|---|
| 26200B-214 | Ring Light LED with Polarizer |

## Ring Light LED Triple Color

- 120 LEDs, 40 white, 40 blue and 40 red
- 7-step brightness control
- Flicker-free
- No color change with temperature
- Energy-efficient and eco-friendly



26200B-213

| Product ID | Description |
|---|---|
| 26200B-213 | Ring Light LED Triple Color |

* Note: When used with articulating stand, single arm boom stand, or double arm boom stand, an arbor (26800B-521) is required for mounting.

## Pro Series 40 LED Ring Light

- 40 powerful, high-precision aligned LEDs (white daylight)
- 4 quadrant controller and auto voltage sensing power supply
- Machined aluminum alloy housing for durability
- Fully adjustable dimming control
- 360° shadow-free illumination



26200B-217

| Product ID | Description |
|---|---|
| 26200B-217 | Pro Series 40 LED Ring Light |

## LED Ring Light w/ Brightness and Sector Control

- 40 powerful, high-precision aligned LEDs (white daylight)
- 4 quadrant controller and auto voltage sensing power supply
- Machined aluminum alloy housing for durability
- Fully adjustable dimming control
- 360° shadow-free illumination



26200B-211

| Product ID | Description |
|---|---|
| 26200B-211 | LED Ring Light w/ Brightness and Sector Control |

## LED Ring Light w/ Brightness and Sector Control

- 72 high-performance LEDs
- Continuous brightness control
- 4 sectors and each can be controlled independently
- Flicker-free
- No color change with temperature



26200B-212

| Product ID | Description |
|---|---|
| 26200B-212 | LED Ring Light w/ Brightness and Sector Control |

## Ring Light Adapter

- Allows for secure mounting of ring lights to DSZ, NSW and SPZ Series Microscopes
- Screws onto bottom of microscope body



26800B-460

| Product ID | Description |
|---|---|
| 26800B-460 | Ring Light Adapter |

## Protective Lens Cover

- Allows for secure mounting of ring lights to DSZ, NSW and SPZ Series Microscopes
- Screws onto bottom of microscope body



26800B-465

| Product ID | Description |
|---|---|
| 26800B-465 | Protective Glass Cover |

# Microscope & Video Accessories

AVEN Tools for Advancing Innovation™

## Single Arm Boom Stand w/Heavy Metal Base

- Base dimensions: 285mm x 260mm x 18mm (11.22" x 10.23" x 0.71")
- Vertical post length: 384mm (15.12")
- Heavy base provides excellent stability
- Allows positioning of microscopes over a large area
- Posts are highly polished for smooth operation


26800B-519

| Product ID | Description |
|---|---|
| 26800B-519 | Single Arm Boom Stand w/Heavy Metal Base |

## Double Arm Boom Stand w/Heavy Metal Base

- Base dimensions: 285mm x 260mm x 18mm (11.22" x 10.23" x 0.71")
- Vertical post length: 384mm (15.12")
- Heavy base provides excellent stability
- Allows positioning of microscopes over a large area
- Posts are highly polished for smooth operation


26800B-534

| Product ID | Description |
|---|---|
| 26800B-534 | Double Arm Boom Stand w/Heavy Metal Base |

## Pole Stand with Focus Mount

- Base dimensions: 210mm x 278mm x 25mm (8.26" x 10.94" x 0.98")
- Vertical post length: 255mm (10")
- Includes rack & pinion focus mount with fine focus adjustment
- Frosted, black and white stage plates
- Safety clamp included


26800B-509

| Product ID | Description |
|---|---|
| 26800B-509 | Pole Stand with Focus Mount |

## Ultra-Glide Boom Stand w/ Heavy Metal Base

- Heavy base coupled with ball bearing slide allows for easy positioning of the microscope
- 13.5" height available with extension post
- All metal construction
- Ideal for use when large objects are to be viewed


26800B-556

| Product ID | Description |
|---|---|
| 26800B-556 | Ultra-Glide Boom Stand w/ Heavy Metal Base |

Note: Single & Double Arm Boom Stands require either a Focus Mount (26800B-517) with tiltable arbor (26800B-521) or E-Arm Focus Mount (26800B-518).

## Track Stand with Focus Mount with LED Illumination Top and Bottom

- Base dimensions: 210mm x 278mm x 40mm (8.26" x 10.94" x 1.57")
- Tracking range: 245mm (9.65")
- Light weight compact track stand
- Comes with rack & pinion focus mount with fine focus adjustment
- Top & bottom LED illumination with dimmer control
- Frosted black and white stage plates


26800B-508

| Product ID | Description |
|---|---|
| 26800B-508 | Track Stand with Focus Mount with LED Illumination Top and Bottom |

## Pole Stand with Focus Mount and LED Illumination

- Base dimensions: 220mm x 284mm x 15mm (8.6" x 11" x 0.6")
- Vertical post length: 255mm (10")
- Light weight compact stand
- Comes with rack & pinion focus mount with course and fine adjustment knobs
- Built in 60 LED ring light with dimmer control


26800B-512

| Product ID | Description |
|---|---|
| 26800B-512 | Pole Stand with Focus Mount and LED Illumination |

## Diffuser for Glare Reduction

- Helps reduce glare from shiny objects
- Made from durable plastic material
- Ideal for observing solder joints, metallic parts or shiny surfaces
- Designed for use with 26800B-512 (Stand PLED) and 26200B-207 (Ring Light with Focus Mount)


26200B-209DF2

| Product ID | Description |
|---|---|
| 26200B-209DF2 | Diffuser for Glare Reduction |

## Pole Stand with Focus Mount

- Base dimensions: 220 x 284 x 15mm (8.66" x 11.18" x 0.59")
- Vertical post length: 250mm (10")
- Lightweight compact stand
- Ideal for examining small parts
- Saves bench space
- Includes with rack & pinion focus mount with course and fine adjustment knobs


26800B-511

| Product ID | Description |
|---|---|
| 26800B-511 | Pole Stand with Focus Mount |

Note: Pole stands are not suitable for SPZ Series microscopes with 0.5x lens as vertical post is not long enough to accommodate the working distance.

# Microscope & Video Accessories

AVEN Tools for Advancing Innovation™

## Standard Articulating Arm Stand

- Allows great flexibility in positioning microscopes
- Can be moved out of way when not in use
- All metal construction



26800B-560

| Product ID | Description |
|---|---|
| 26800B-560 | Standard Articulating Arm Stand |

## Tiltable Arbor

- Designed to extend the working range of boom stands and articulating arm stands
- Allows tilting of microscope bodies to increase operator comfort



26800B-521

| Product ID | Description |
|---|---|
| 26800B-521 | Tiltable Arbor |

## Gemology Stand with Fluorescent and Halogen Illumination

- Independently controllable fluorescent front light provides even shadow-free illumination
- Dimmable halogen transmitted and pipe light with separate controls
- 2 post positioning, right and left for adjustable gem tweezers
- Adjustable iris in dark field attachment
- Stand can be inclined from 0°-10°



26800B-507

| Product ID | Description |
|---|---|
| 26800B-507 | Gemology Stand with Fluorescent an Halogen Illumination |

## Heavy Duty Post Stand w/ Safety Clamp

- Base dimension: 279mm x 330mm x 12.7mm (10.98" x 13" x 0.5")
- Vertical post length: 406mm (15.98")
- Aluminum powder coated base
- 10 tapped holes for mounting x-y stages
- UNC bolt and safety clamp included
- Vertical post will accept focus mount (26800B-517) to which bodies SPZH, SPZ series, DSZ series and NSW series can be mounted



26800B-570

| Product ID | Description |
|---|---|
| 26800B-570 | Heavy Duty Post Stand with Safety Clamp - 25mm |
| 26800B-571 | Heavy Duty Post Stand with Safety Clamp - 32mm |

## Focus Mount

- Coarse & fine focus adjustments
- Precision rack & pinion mechanism with tension control
- 74mm diameter ring
- Will accept Aven SPZH, SPZ, DSZ and NSW series microscopes



26800B-517

| Product ID | Description |
|---|---|
| 26800B-517 | Focus Mount |

## E-Arm Focus Mount

- Rack and pinion mechanism with coarse focus adjustment
- 50mm focusing distance in vertical direction
- 74mm diameter ring
- Mounts to any of our boom stands or articulating arm stands



26800B-518

| Product ID | Description |
|---|---|
| 26800B-518 | E-Arm Focus Mount |

## N-Type Focus Mount

- Coarse focus adjustments
- Precision rack and pinion mechanism with tension control
- 32mm opening for post attachment
- Will accept Aven SPZH, SPZ, and DSZ series microscopes



26800B-578

| Product ID | Description |
|---|---|
| 26800B-578 | N-Type Focus Mount |

## Gliding Stage w/95mm Ring Mount

- Smooth motion for precise specimen placement
- Anodized black metal and glass components
- Glass top with interior Y and exterior X unit measurements
- Coaxial dial system for easy and accurate operation
- Useful for dissection and circuit board inspection



26800B-477

| Product ID | Description |
|---|---|
| 26800B-477 | Gliding Stage w/95mm Ring Mount |

## Large Gliding Stage

- Precision-machined bevel-cut gearing
- Fine, controlled movement along the entire 300mmx200mm travel in the X-Y axis
- Black anodized finish
- Ideal for smooth and controlled movement



26800B-478

| Product ID | Description |
|---|---|
| 26800B-478 | Large Gliding Stage |

# Microscope & Video Accessories

AVEN Tools for Advancing Innovation™

## Microscope Eyepiece 10x with 10:100mm Scale

- 10x magnification power
- 10:100mm scale reticle
- Excellent for measurement
- High eye-point design
- 20mm super wide field of view



26800B-455

| Product ID | Description |
|---|---|
| 26800B-455 | Microscope Eyepiece 10x with 10:100mm Scale |

## Microscope Eyepiece 10x with 5:100mm Scale

- 10x magnification power
- 5:100mm scale reticle
- Excellent for measurement
- High eye-point design
- 20mm Super wide field of view



26800B-456

| Product ID | Description |
|---|---|
| 26800B-456 | Microscope Eyepiece 10x with 5:100mm Scale |

## Microscope Eyepiece 10x with 20x20 0.5mm Scale

- 10x magnification power
- 20x20, 0.5mm squares reticle
- Excellent for measurement
- High eye-point design
- 20mm super wide field of view

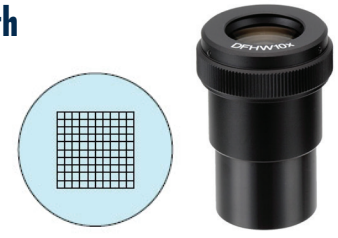


26800B-457

| Product ID | Description |
|---|---|
| 26800B-457 | Microscope Eyepiece 10x with 20x20 0.5mm Scale |

## Microscope Eyepiece 10x with 10x10 1mm Squares

- 10x magnification power
- 10x10, 1mm squares reticle
- Excellent for measurement
- High eye-point design
- 20mm super wide field of view



26800B-458

| Product ID | Description |
|---|---|
| 26800B-458 | Microscope Eyepiece 10x with 10x10 1mm Squares |

See Aven's exclusive article:

**"How to Select the Right Microscope or Video Inspection System"**

Visit www.AvenTools.com

## Microscope Eyepiece 10x with 10:100mm Scale Cross Hair

- 10x magnification power
- 10:100mm scale cross hair reticle
- Excellent for measurement
- High eye-point design
- 20mm super wide field of view



26800B-459

| Product ID | Description |
|---|---|
| 26800B-459 | Microscope Eyepiece 10x with 10:100mm Scale Cross Hair |

## DSW-10X Eyepieces - DSZ-44 and NSW series bodies

- Wide field 10x eyepieces
- For DSZ-44 and NSW series Microscopes
- FN 23




26800B-441

| Product ID | Description |
|---|---|
| 26800B-441 | DSW-10X Eyepieces - DSZ-44 and NSW series bodies |

## DSW-15X Eyepieces - DSZ and NSW series bodies

- Wide field 15x eyepieces
- For DSZ-44, DSZ-70 and NSW microscopes
- FN 15



26800B-442

| Product ID | Description |
|---|---|
| 26800B-442 | DSW-15X Eyepieces - DSZ and NSW series bodies |

## DSW-20X Eyepieces - DSZ and NSW series bodies

- Wide field 20x eyepieces
- For DSZ-44, DSZ-70 and NSW microscopes
- FN 11.4




26800B-443

| Product ID | Description |
|---|---|
| 26800B-443 | DSW-20X Eyepieces - DSZ and NSW series bodies |

## DSW-10X Eyepieces - DSZ-70 series bodies

- Wide field 10x eyepieces
- For DSZ-70 microscopes
- FN 20



26800B-445

| Product ID | Description |
|---|---|
| 26800B-445 | DSW-10X Eyepieces - DSZ-70 series bodies |

# Microscope & Video Accessories

AVEN Tools for Advancing Innovation™

## DHW-10X Eyepieces - SPZ series bodies




- Wide field 10x eyepieces
- For SPZ series microscopes
- FN 23

26800B-448

| Product ID | Description |
|---|---|
| 26800B-448 | DHW-10X Eyepieces - SPZ series bodies |

## DHW-15X Eyepieces - SPZ series bodies




- Wide field 15x eyepieces
- For SPZ series microscopes
- FN 15

26800B-449

| Product ID | Description |
|---|---|
| 26800B-449 | DHW-15X Eyepieces - SPZ series bodies |

## DHW-20X Eyepieces - SPZ series bodies




- Wide field 20x eyepieces
- For SPZ series microscopes
- FN 11.4

26800B-450

| Product ID | Description |
|---|---|
| 26800B-450 | DHW-20X Eyepieces - SPZ series bodies |

## Rubber Eye Guards



- Adds comfort
- Manufactured from stretchable rubber material
- Eliminates stray light
- Protects eyepieces

26800B-453

| Product ID | Description |
|---|---|
| 26800B-452 | Rubber Eye Guards - DSW eyepieces |
| 26800B-453 | Rubber Eye Guards - DHW eyepieces |

## Auxiliary Lens 0.5x




- Reduces magnification of DSZ, NSW, SPZH and SPZ series microscopes
- Increases working distance and field of view
- 0.5x lens cannot be used with SPZ series bodies with stand P, PFM, PLED and Stand T and NSW series bodies with Stand T

26800B-461

| Product ID | Description |
|---|---|
| 26800B-461 | Auxiliary Lens 0.5x |

## Auxiliary Lens 0.75x




- Reduces magnification of DSZ, NSW, SPZH and SPZ series microscopes
- Increases working distance and field of view

26800B-462

| Product ID | Description |
|---|---|
| 26800B-462 | Auxiliary Lens 0.75x |

## Auxiliary Lens 1.6x




- Increases magnification of DSZ, NSW, SPZH and SPZ series microscopes
- Reduces working distance and field of view

26800B-463

| Product ID | Description |
|---|---|
| 26800B-463 | Auxiliary Lens 1.6x |

## Auxiliary Lens 2x



- Increases magnification of DSZ, NSW, SPZH and SPZ series microscopes
- Reduces working distance and field of view

26800B-464

| Product ID | Description |
|---|---|
| 26800B-464 | Auxiliary Lens 2x |

## Design Your Own Microscope System

With a large variety of cameras, lighting options, stands and focus mounts, you can create and order your own customized microscope system on www.**AvenTools.com**. If you need help creating a custom system, please call our experienced sales team at **734-973-0099** and let them assist you in creating a tailor made solution that will meet your specific requirements.

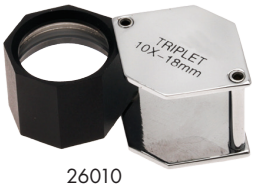


# Magnifiers



## Swing Out Inspection Loupe 10x Hex

- Triplet lens system corrected for spherical and chromatic aberrations
- Produces a sharp and distortion free image
- 10x magnification



26010

| Product ID | Description |
|---|---|
| 26010 | Swing Out Inspection Loupe 10x Hex |

## Swing Out Inspection Loupe 10x

- Distortion-free, three-piece bonded lens
- Made from optical glass
- 10x eye loupe with 1" working distance
- Chrome finish loupe easily folds up to protect lens
- Includes leather carrying case



26011

| Product ID | Description |
|---|---|
| 26011 | Swing Out Inspection Loupe 10x |

## Swing Out Inspection Loupe 20x

- Distortion-free, three-piece bonded lens
- Made from optical glass
- 20x eye loupe with 1/2" working distance
- Chrome finish loupe easily folds up to protect lens
- Includes leather carrying case



26012

| Product ID | Description |
|---|---|
| 26012 | Swing Out Inspection Loupe 20x |

## Magnifier 10x

- Pre-focused dual lenses allow examination of objects close-up
- Transparent acrylic base permits ambient light to illuminate the object
- Powerful 10x magnification
- Ideal for model makers, stamp and coin collectors, and photography


26051

| Product ID | Description |
|---|---|
| 26051 | Swing Out Inspection Loupe 20x |

## Magniloupe w/Cushion

- Lightweight glass lens magnifier
- Soft rubber cushion provides comfort
- Powerful magnification
- Excellent for close inspection of small parts
- Ideal for use by jewelers, photographers, watchmakers, printers, and quality control inspectors


26041

| Product ID | Description |
|---|---|
| 26041 | 8x Magniloupe w/Cushion |
| 26042 | 7x Magniloupe w/Cushion |

## Eye Loupe 10x

- Lightweight & sturdy glass lens magnifier
- Powerful 10x magnification
- Excellent for close inspection of small parts
- Rests comfortably in the eye socket
- Ideal for use by jewelers, photographers, watchmakers, printers, and quality control inspectors



26034

| Product ID | Description |
|---|---|
| 26034 | Eye Loupe 10x |

## Eye Loupe 10x with LED Light

- Lightweight glass lens magnifier
- Powerful 10x magnification
- Excellent for close inspection of small parts
- Adjustable bright LED light
- Ideal for use by jewelers, photographers, watchmakers, printers, and quality control inspectors



26034-LED

| Product ID | Description |
|---|---|
| 26034-LED | Eye Loupe 10x with LED Light |

## User Pairs Mighty Scope with a Low-Tech Companion



Performance matters more than size, as our popular Mighty Scope Digital Microscope shows.

We and our sales representatives hear manufacturing engineers praise the handheld scope's convenience for inline inspection, image and video capture, and monitor viewing via USB or the Wi-Fi model. The latest field report comes from a user who called to describe how he previously used an eye loupe with a scale-measuring reticle for parts check to assure that any defects are within tolerances.

Cleverly, he now pairs a newly purchased Mighty Scope 5M with his original tool to combine the loupe's scale with our instrument for a close-up, measurable view illuminated with six LEDs. The Mighty Scope can capture that combined image for reference and sharing.

## Pen Type Microscope 25x w/LED Light

- Perfect "pen-type" microscope with 25x magnification
- Includes pocket clip and a bright LED light
- Beveled opening to gather and focus light
- Provides distortion-free inverted image
- Ideal for inspection in electronics, medical, printing, and jewelry industries



26800C-550

| Product ID | Description |
|---|---|
| 26800C-550 | Pen Type Microscope 25x w/LED Light |

## Pen Type Microscope 50x w/LED Light

- Perfect "pen-type" microscope with 50x magnification
- Includes pocket clip and a bright LED light
- Beveled opening to gather and focus light
- Provides distortion-free inverted image
- Ideal for inspection in electronics, medical, printing, and jewelry industries



26800C-551

| Product ID | Description |
|---|---|
| 26800C-551 | Pen Type Microscope 50x w/LED Light |

## Pen Type Microscope 25x w/LED Light & Scale

- Perfect "pen-type" microscope with 25x magnification and includes reticle scale
- Includes pocket clip and a bright LED light
- Beveled opening to gather and focus light
- Provides distortion-free inverted image
- Ideal for inspection in electronics, medical, printing, and jewelry industries



26800C-552

| Product ID | Description |
|---|---|
| 26800C-552 | Pen Type Microscope 25x w/LED Light & Scale |

## Pen Type Microscope 50x w/LED Light & Scale

- Perfect "pen-type" microscope with 50x magnification and includes reticle scale
- Includes pocket clip and a bright LED light
- Beveled opening to gather and focus light
- Provides distortion free inverted image
- Ideal for inspection in electronics, medical, printing, and jewelry industries



26800C-553

| Product ID | Description |
|---|---|
| 26800C-553 | Pen Type Microscope 50x w/LED Light & Scale |

## Pocket Microscope 40x w/ Illumination

- Perfect carry-with microscope with magnification of 40x
- Eyepiece has scale with 0.1mm graduation and a measurement range of 4mm
- Operates on two AA batteries (not included)
- Useful for engineers, tool makers and quality control inspectors



26800C-534

| Product ID | Description |
|---|---|
| 26800C-534 | Pocket Microscope 40x w/ Illumination |

## Pocket Microscope 40x w/ LED Illumination

- Perfect carry-with microscope with magnification of 40x
- Eyepiece has scale with 0.05mm graduation and a measurement range of 2mm
- Operates on three AA batteries (not included)
- Useful for engineers, tool makers and quality control inspectors



26800C-541

| Product ID | Description |
|---|---|
| 26800C-541 | Pocket Microscope 40x w/ LED Illumination |

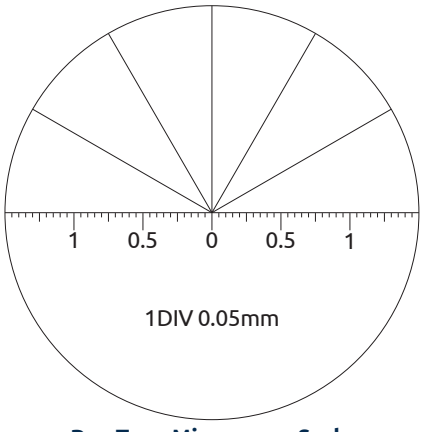
## Pocket Microscope 60-100x w/ LED illumination

- Perfect carry-with microscope with magnification of 60-100x
- Focus wheel allows you to quickly focus onto the object being viewed
- Operates on three LR1130 Button Cell batteries (not included)
- Useful for engineers, tool makers and quality control inspectors



26800C-541

| Product ID | Description |
|---|---|
| 26800C-541 | Pocket Microscope 60-100x w/ LED Illumination |




**Pen Type Microscope Scale**
Etched into the eyepiece with graduations of 0.05mm
**26800C-552 & 26800C-553**

# Magnifiers



## OptiVisor Headband Magnifiers

- Optical glass prismatic lenses ground and polished to precision optical standards
- Adjustable pivots allow the visor to be tilted out of the way when not needed and at your fingertips when you need magnification
- Adjusts to fit all head sizes
- High impact visor provides a tough, durable, always-new appearance
- Padded orthopedic felt adds to comfort

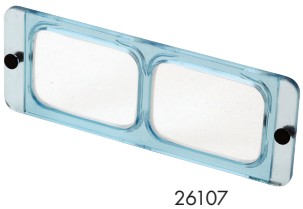


26101

| Product ID | Description |
|---|---|
| 26101 | OptiVisor Headband Magnifier - 1.5x |
| 26102 | OptiVisor Headband Magnifier - 1.75x |
| 26103 | OptiVisor Headband Magnifier - 2x |
| 26104 | OptiVisor Headband Magnifier - 2.5x |
| 26105 | OptiVisor Headband Magnifier - 2.75x |
| 26106 | OptiVisor Headband Magnifier - 3.5x |

## OptiVisor Replacement Lenses

- 1.5x - 3.5x Replacement Lenses
- Optical glass prismatic lenses ground and polished to precision optical standards
- Replacement Lens for Optivisor Headband Magnifier



26107

| Product ID | Description |
|---|---|
| 26107 | Replacement Lens #2 - 1.5x |
| 26108 | Replacement Lens #3 - 1.75x |
| 26109 | Replacement Lens #4 - 2x |
| 26110 | Replacement Lens #5 - 2.5x |
| 26111 | Replacement Lens #7 - 2.75x |
| 26112 | Replacement Lens #10 - 3.5x |

## OptiVisor Auxiliary Lens - 2.5x

- Attaches to the front of Optivisor headband magnifier
- Mounts on one side of the lens plate to provides an additional 2-1/2X magnification
- Pivots out of the way when not needed



26113

| Product ID | Description |
|---|---|
| 26113 | OptiVisor Auxiliary Lens - 2.5x |

## Headband Magnifier with LED Light

- Excellent for quality control inspection
- Removable LED lamp can be used as a free standing light source
- Includes four clip-on lenses (1.5x, 2x, 2.5x, and 3x)
- Headband is adjustable to fit all sizes
- Ideal for close up inspection of small parts



26221

| Product ID | Description |
|---|---|
| 26221 | Headband Magnifier with LED Light |

## OptiSight Headband Magnifier

- Visor can be worn comfortably over prescription or safety glasses
- Durable high-strength plastic
- Interchangeable lenses 1.75x, 2x, 2.5x
- Visor design shields out unwanted glare
- Precision optical grade acrylic prismatic lens.



26224

| Product ID | Description |
|---|---|
| 26224 | OptiSight Headband Magnifier |

## OptiVue Headband Magnifier - 2.5x

- Provides hands-free magnification
- Visor tilts up for normal viewing
- Includes 2.5x crystal clear acrylic lens
- Adjustable headband fits any size



26225

| Product ID | Description |
|---|---|
| 26225 | OptiVue Headband Magnifier - 2.5x |

**Register online to receive updates on the newest products and for the latest specials from Aven**

# Magnifying Lamps

AVEN Tools for Advancing Innovation™

## ProVue SuperSlim Magnifying Lamp

26501-LED



- Available in two configurations: 5-Diopter (2.25x) and 8-Diopter (3x magnifcation)
- 5" crystal clear glass lens for 360° distortion-free viewing
- 36" spring balanced arm stays set in any position
- Heavy duty mounting clamp with 63.5mm (2.5") opening
- Fluorescent model features 22 Watt bulb operating at 6400k
- LED models feature 60 high powered energy efficient SMD LEDs lights that provide shadow free illumination
- LED lights are rated for over 20,000 hours of use
- Unit operates at 115 VAC

| Product ID | Description | Lighting | Magnification |
|---|---|---|---|
| 26501-SIV | ProVue Magnifying Lamp | 22W fluorescent | 2.25x (5 diopter) |
| 26501-LED | ProVue LED Magnifying Lamp | 60 SMD LED | 2.25x (5 diopter) |
| 26501-LED-8D | ProVue LED Magnifying Lamp | 60 SMD LED | 3x (3 diopter) |

## ProVue SuperSlim LED Magnifying Lamp with Rolling Stand



- Same features as Aven 26501-LED except mounted on our heavy duty floor stand with casters

26501-LED-STN

| Product ID | Description |
|---|---|
| 26501-LED-STN | ProVue SuperSlim LED Magnifying Lamp with Rolling Stand |

## 22-watt Replacement Bulb Fir 26501-SIV ProVue SuperSlim

26501-SIV-T5



- Replacement bulb for 26501-SIV
- Universal standard fluorescent light
- Energy-efficient
- Rated lifetime of 12,000 hours

| Product ID | Description |
|---|---|
| 26501-SIV-T5 | 22-watt Replacement Bulb for 26501-SIV ProVue SuperSlim |

## ProVue Solas Magnifying Lamps

26501-XL35



- Designed to accomodate multiple lenses
- Two models available
- 5" crystal clear glass lens for 360° distortion-free viewing
- 36" spring balanced arm stays set in any position
- Heavy duty mounting clamp with 63.5mm (2.5") opening
- LED models feature 60 high-powered, energy-efficient SMD LEDs that provide shadow-free illumination
- Adjustable LEDs are rated for over 20,000 hours of use

| Product ID | Description |
|---|---|
| 26501-XL35 | ProVue Solas Magnifying Lamp with Interchangable 5-Diopter Lens (2.25x) |
| 26501-XL58 | ProVue Solas Magnifying Lamp with Interchangable 8-Diopter Lens (3x) |
| 26501-RL3D | ProVue Solas 3 Diopter Replacement Lens (1.75x) for 26501-XL35 |
| 26501-RL5D | ProVue Solas 5 Diopter Replaement Lens (2.25x) for 26501-XL35 AND 26501-XL58 |
| 26501-RL8D | ProVue Solas 8 Diopter Replacement Lens (3x) for 26501-XL58 |

## ProVue Deluxe LED Magnifying Lamp

26501-DSG-LED



- 72 energy-efficient SMD LEDs
- 5 diopter glass lens
- 36" frinction arm - no springs, no pinch hazards
- Beautifully constructed aluminium design
- Built-in brightness control
- 3 locking joints help lamp stay in place in any position
- Minimum LED lifetime of 20,000 hours

| Product ID | Description |
|---|---|
| 26501-DSG-LED | ProVue Deluxe LED Magnifying Lamp |

## Auxiliary Lens - 3 Diopter (1.75x)

26501-AL3



- Provides additional magnification
- 3.875" 1.75x (3 diopter) auxiliary lens
- Designed to attach to bottom of Aven 26501-DSG-LED magnifying lamp

| Product ID | Description |
|---|---|
| 26501-AL3 | Auxiliary Lens - 3 Diopter (1.75x) |

## Need a Product Demonstration?

Request one at www.AvenTools.com

# Magnifying Lamps



## ProVue Replacement Clamp


26501-RC

- Heavy duty metal mounting clamp with 63.5mm (2.5") opening
- Mounts easily to desk or table top
- Fits ProVue Magnifying Lamps

| Product ID | Description |
|---|---|
| 26501-RC | ProVue Replacement Clamp |

## ProVue Touch Magnifying Lamp with LED Illumination


26508-LED

- 54 powerful, energy-efficient white SMD LEDs provide shadow-free illumination
- SMD technology ensures reliabilty and long life
- Large 7" crystal clear 1.75x (3 diopter) round glass lens with protective cover
- Touch sensitive 3-stage on/off switch to controlling light intensity
- Rugged ABS plastic housing attached to a 35" industrial grade spring balanced arm for precise positioning
- Lens can be easily replaced if necessary
- Built-in metal handles for quick and easy positioning
- Heavy duty metal mounting clamp with 89mm (3.5") opening
- LED lights are rated for over 20,000 hours of use
- Unit operates at 115 to 240wv VAC

| Product ID | Description |
|---|---|
| 26508-LED | ProVue Touch Magnifying Lamp with LED Illumination |

## ProVue Touch White & UV LED Magnifying Lamp


26508-LDV

- Dual lighting provides 54 powerful, energy-saving white SMD LEDs and 48 SMD UV LEDs (400nm)
- UV lighting ideal for forensic analysis, counterfit inspection and detection of fluoresces in adhesives, laminates and conformal coating
- SMD technology ensures reliabilty and long life
- Large 7" crystal clear 1.75x (3 diopter) glass lens with protective cover
- Touch sensitive 3-stage on/off switch for controlling light intensity
- Rugged ABS plastic housing attached to a 35" industrial-grade spring balanced arm for precise positioning
- Lens can be easily replaced if necessary
- Built-in metal grips for quick and easy positioning
- Heavy duty metal mounting clamp with 89mm (3.5") opening
- LED lights are rated for over 20,000 hours of use
- Unit operates at 115 to 240 VAC

| Product ID | Description |
|---|---|
| 26508-LDV | ProVue Touch White & UV LED Magnifying Lamp |

## OptiVue 5 Diopter LED Magnifying Desk Lamp


26507-XL5

- 11" flexible gooseneck arm
- 4" 5 diopter glass lens
- 36 high-intensity energy-saving SMD LEDs

| Product ID | Description |
|---|---|
| 26507-XL5 | OptiVue 5 Diopter LED Magnifying Desk Lamp |

## Mighty Vue Pro 3 Diopter Magnifying Lamp with Color Temperature Controls


26505-LED-XL3

- Large 7" x 6" lens, 3 diopter
- 36" spring balanced arm stays put in any position
- Heavy duty ESD safe metal mounting clamp with 63.5mm (2.5") opening
- Color temperature ranges from 3500K-6500K
- Feature 60 high-powered, energy-efficient SMD LEDs (30 per color temperature) that provide shadow-free illumination
- LEDs are rated for over 20,000 hours of use
- Features brightness adjustment (max: 1100lm)
- Unit operates at 115 VAC

| Product ID | Description |
|---|---|
| 26505-LED-XL3 | Mighty Vue Pro 3 Diopter Magnifying Lamp with Color Temperature Controls |

## Mighty Vue Pro 5 Diopter Magnifying Lamp with Color Temperature Controls - ESD Safe


26505-ESL-XL5

- Large 7"x6" lens
- Durable ESD safe plastic housing
- 36" spring balanced arm stays put in any position
- Heavy duty ESD safe metal mounting clamp with 63.5mm (2.5") opening
- Color temperature ranges from 3500K-6500K
- Features 60 high-powered energy-efficient SMD LEDs (30 per color temperature) that provide shadow-free illumination
- LEDs are rated for over 20,000 hours of use
- Features brightness adjustment (max: 1100lm)
- Unit operates at 115 VAC

| Product ID | Description |
|---|---|
| 26505-ESL-XL5 | Mighty Vue Pro 5 Diopter magnifying Lamp with Color Temperature Controls - ESD Safe |

# Magnifying Lamps

AVEN Tools for Advancing Innovation™

## Mighty Vue Pro Magnifying Lamp - 5 Diopter


26505-DSG-LED

- Durable aluminium construction
- Touch-sensitive brightness control with 5 color-coded settings
- 36" friction arm stays set in any position
- 7" 5 diopter round glass lens (2.25x magnification)
- High-intensity energy-saving LEDs provide cool operating temperature
- Exceptionally long LED element life (minimum 20,000 hours)
- Ideal for assembly, workshop or inspection applications
- Mounting clamp allows for easy attachment to desk and bench tops, or mount directly to your work surface

| Product ID | Description |
|---|---|
| 26505-DSG-LED | Mighty Vue Pro Magnifying Lamp (5 diopter) |

## Replacement Clamp

**for ProVue Deluxe and Mighty Vue Deluxe Magnifying Lamps**


26501-DSG-CL

- Replacement table clamp for Aven's ProVue Deluxe and Mighty Vue Deluxe Magnifying Lamps
- Secures to the side of any work bench (up to 1.5 in width)
- Heavy duty aluminum construction
- Includes 4 mounting screws

| Product ID | Description |
|---|---|
| 26501-DSG-CL | Replacement Clamp for ProVue Deluxe & Mighty Vue Deluxe |

## In-X® Interchangeable Magnifying Lamp with 5 Diopter Lens

- Interchangeable lenses: no need to keep multiple magnifying lamps on hand
- Easy lens exchange: no tools required
- Lamp includes a 5 diopter interchangeable glass lens
- Capable of a magnification of 2.25x – 4.75x with the optional lenses
- Fully enclosed spring balanced arm prevents pinching hazards
- Rotatable lamp head: can be positioned to nearly any angle
- Ultra-bright LEDs with brightness intensity adjustment

## Replacement Clamp

**for Mighty Vue Pro 26505-ESL-XL5**


26505-RC-ESD

- Replacement table clamp for Aven's Mighty Vue Pro 26505-ESL-XL5 Magnifying Lamp
- Effortlessly mounts to a desk or table top

| Product ID | Description |
|---|---|
| 26505-RC-ESD | Replacement Clamp for Mighty Vue Pro 26505-ESL-XL5 |

## Floor Stand Heavy Duty with Castors


26509-STN

- 5 full swivel castors for easy mobility
- Designed for durability
- Easy to clean; no maintenance required
- Provides full mobility for magnifying lamp applications in beauty salons, the medical field, electronics repair, dental clinics, industrial inspection, scientific research laboratories and even at home
- Works with ProVue SuperSlim Magnifying Lamps

| Product ID | Description |
|---|---|
| 26509-STN | Floor Stand Heavy Duty with Castors |


26501-LED-INX

| Product ID | Description | Diopter | Magnification | Availability |
|---|---|---|---|---|
| 26501-LED-INX | In-X Interchangeable Magnifying Lamp with 5 Diopter Lens | 5 | 2.25x | Included with lamp |
| 26501-INX-RL5D | 5 Diopter Interchangeable Lens for In-X Magnifying Lamps | 8 | 3x | Sold separately |
| 26501-INX-RL8D | 8 Diopter Interchangeable Lens for In-X Magnifying Lamps | 12 | 4x | Sold separately |
| 26501-INX-RL12D | 12 Diopter Interchangeable Lens for In-X Magnifying Lamps | 15 | 4.75x | Sold separately |

# Task Lights & Accessories



## Sirrus Task Light LED w/ Swivel Head, 500mm Flex Arm & Mounting Clamp


26526

- 500mm flexible arm stays set in any position to provide direct light where needed
- High-intensity energy-efficient LEDs
- Cool operating temperature
- Exceptionally long LED element life (minimum 20,000 hours)
- Ideal for assembly, workshop or office applications

| Product ID | Description |
|---|---|
| 26526 | Sirrus Task Light LED w/ Swivel Head 500mm Flex Arm & Mounting Clamp |

## Sirrus Task Light LED High Intensity Fixed Focus with 500mm Flex Arm and Mounting Clamp


26527

- 500mm flexible arm stays set in any position to provide direct light where needed
- High-intensity energy-efficient LED
- Cool operating temperature
- Exceptionally long LED element life (minimum 20,000 hours)
- Ideal for assembly, workshop or office applications

| Product ID | Description |
|---|---|
| 26527 | Sirrus Task Light LED High Intensity Fixed Focus with 500mm Flex Arm and Mounting Clamp |

## Sirrus LED Lamp w/ Aluminum Head, 500mm Flex Arm & Mounting Clamp


26528

- 500mm flexible arm stays set in any position to provide direct light where needed
- High-intensity energy-saving LEDs
- Cool operating temperature
- Exceptionally long LED element life (minimum 20,000 hours)
- Ideal for assembly, workshop or office applications

| Product ID | Description |
|---|---|
| 26528 | Sirrus LED Task Lamp w/ Aluminum Head, 500mm Flex Arm & Mounting Clamp |

## Sirrus Magnetic Base


26520-MB

- Magnetic Base for Sirus LED task lights 26526, 26527, 26528
- Four screw holes provided to allow you to screw the task light to the base
- Allows for secure yet mobile placement on magnetic surfaces

| Product ID | Description |
|---|---|
| 26520-MB | Sirrus Magnetic Base for Task Lights |

## LED Dual Gooseneck Spotlight Illuminator


26200B-211

- Ideal external light source for high-magnification inspection systems
- Provides bright, even lighting
- Versatile, adjustable illumination at any angle
- 6500K cool light LED illuminator
- Add illumination to difficult to reach areas
- 23-3/8" (568mm/each) long dual gooseneck lights
- Metal framework intensity control box with light adjustment knobs for each light
- UV Dual Gooseneck Illuminators sold separately

| Product ID | Description |
|---|---|
| 26200B-221 | LED Dual Gooseneck Spotlight Illuminator |
| 26200B-221-GNUV | 395 NM Ultra Violet Flexible Gooseneck for LED Dual Gooseneck Spotlight Illuminator |
| 26200B-221-GNLED | Replacement Gooseneck for LED Dual Gooseneck Spotlight Illuminator |

## Neo Light Dual Color LED Task Light with Table Base


26536

- Dual color temperature control provides illumination options
- Tiltable lamp head provides nearly limitless angle options
- Easy brightness/color temperature control with micro-touch buttons
- Fully covered, 24" adjustable spring balanced arm designed to be positioned for short and extended reaches
- Includes a 10lb table base

| Product ID | Description |
|---|---|
| 26536 | Neo Light Dual Color LED Task Light with Table Base |

## Neo Light Dual Color LED Task Light with Table Clamp


26535

- Dual color temperature control provides illumination options
- Tiltable lamp head provides nearly limitless angle options
- Easy brightness/color temperature control with micro-touch buttons
- Fully covered, 34" adjustable spring balanced arm designed to be positioned for short and extended reaches
- Includes a table clamp with 2.5" opening

| Product ID | Description |
|---|---|
| 26535 | Neo Light Dual Color LED Task Light with Table Clamp |

# Hand Tools



## Ceramic Alignment Screwdrivers

- Anti-static, non-magnetic, non-inductive heat-resistant ceramic tips
- Heat resistant up to 1292°F (700°C)
- Blades made from Zirconia ceramic
- Outlasts metal or plastic tip tools
- No eddy current loss in high frequency



13225

| Product ID | Description | Blade | Size |
|---|---|---|---|
| 13220 | Ceramic Alignment Screwdriver | Phillips | PH1.7 |
| 13221 | Ceramic Alignment Screwdriver | Slotted | 1.3 mm |
| 13222 | Ceramic Alignment Screwdriver | Slotted | 2.6mm |
| 13224 | Ceramic Alignment Screwdriver | Slotted | 0.9mm |
| 13225 | Ceramic Alignment Screwdriver | Slotted | 1.8mm |
| 13230 | Ceramic Alignment Screwdriver 4-in-1 | Phillips & Slotted | Phillips 0 & 1.7 Slotted 1.8 & 0.9mm |

## Ceramic Alignment Screwdriver - 6 Piece Set

- Anti-static, non-magnetic, non-inductive heat-resistant ceramic tips
- Heat resistant up to 1292°F (700°C)
- Blades made from Zirconia ceramic
- Outlasts metal or plastic tip tools
- No eddy current loss in high frequency



13231

| Product ID | Description |
|---|---|
| 13231 | Ceramic Alignment Screwdriver - 6-Piece Set |

## 9-Piece Anti-Static Alignmnet Tool Kit

- Anti-static
- Designed for adjusting and aligning conventional components
- Includes 9 popular alignment tools



13016

| Product ID | Description |
|---|---|
| 13016 | 9-Piece Anti-Static Alignment Tool Kit |

## Precision Screwdrivers - 8-Piece Set

- Ergonomically designed handle with swivel head cap for precise control and comfort
- Two component handle provides soft touch and non slip surface and is oil and solvent resistant
- Blade made from high grade alloy steel
- Supplied in a handy plastic case for secure storage



13715

| Product ID | Description |
|---|---|
| 13715 | Precision Screwdrivers - 8-Piece Set |

## Precision Screwdrivers - 7-Piece Set

- Chrome Vanadium steel with satin finish and black tips
- Duplex Component handle is designed for rapid rotation and control
- Fast turning swivel caps
- Imprinted sizes on handle for easy selection
- 50mm Blade Length



13940

| Product ID | Description |
|---|---|
| 13940 | Precision Screwdrivers - 7-Piece Set |

## Aven Precision Screwdrivers

- Precisely machined hardened black tips for durability and exact fit
- Screwdriver blades manufactured from chrome-molybdenum steel for extra strength
- Ergonomically designed bi-component handle with swivel cap for extra comfort and grip



13901

| Product ID | Description | Blade | Size | Tip Length | Length |
|---|---|---|---|---|---|
| 13901 | Precision Screwdriver | Slotted | 1.6mm | 50mm | 150mm |
| 13902 | Precision Screwdriver | Slotted | 2.0mm | 50mm | 150mm |
| 13903 | Precision Screwdriver | Slotted | 2.4mm | 50mm | 150mm |
| 13904 | Precision Screwdriver | Slotted | 3.0mm | 50mm | 150mm |
| 13906 | Precision Screwdriver | Slotted | 3.0mm | 100mm | 200mm |
| 13910 | Precision Screwdriver | Phillips | No. 000 | 50mm | 150mm |
| 13911 | Precision Screwdriver | Phillips | No. 00 | 50mm | 150mm |
| 13913 | Precision Screwdriver | Phillips | No. 1 | 50mm | 150mm |
| 13915 | Precision Screwdriver | Phillips | No. 1 | 100mm | 200mm |
| 13923 | Precision Screwdriver | Torx | T8 | 50mm | 150mm |
| 13930 | Precision Nutdriver | - | M3.0 | 72mm | 172mm |
| 13932 | Precision Nutdriver | - | M4.0 | 72mm | 172mm |
| 13933 | Precision Nutdriver | - | M4.5 | 72mm | 172mm |

## 8-Piece Reversible Screwdriver Set

- Ergonomically designed handle with swivel head cap for precise control and comfort
- Two component handle provides soft touch and non slip surface and is oil and solvent resistant
- Blade made from high grade alloy steel
- Supplied in a handy plastic case for secure storage



13941

| Product ID | Description |
|---|---|
| 13941 | Precision Screwdrivers - 8-Piece Set |

# Stainless Steel Hand Tools

AVEN Tools for Advancing Innovation™

## Adjustable Wrench - Stainless Steel

- Manufactured from 304 series stainless steel
- Mirror polished to provide excellent rust resistance
- Handle hole for tethering, hanging or storage
- Can be autoclaved to temperatures up to 250-degrees Fahrenheit



21190-6

| Product ID | Description |
|---|---|
| 21190-6 | Adjustable Wrench 6" Stainless Steel |
| 21190-8 | Adjustable Wrench 8" Stainless Steel |
| 21190-10 | Adjustable Wrench 10" Stainless Steel |
| 21190-12 | Adjustable Wrench 12" Stainless Steel |

## Adjustable Wrench - Stainless Steel w/ PVC Grip

- Manufactured from 304 series stainless steel
- Mirror polished to provide excellent rust resistance
- Handle hole for tethering, hanging or storage



21190-10G

| Product ID | Description |
|---|---|
| 21190-6G | Adjustable Wrench Stainless Steel 6" w/ PVC Grip |
| 21190-8G | Adjustable Wrench Stainless Steel 8" w/ PVC Grip |
| 21190-10G | Adjustable Wrench Stainless Steel 10" w/ PVC Grip |
| 21190-12G | Adjustable Wrench Stainless Steel 12" w/ PVC Grip |

## Combination Wrench - Stainless Steel

- Manufactured from 304 series stainless steel
- Can be autoclaved to temperatures up to 250-degrees Fahrenheit
- Rust resistant, can help eliminate risk of ferrous contamination



21187-0516

| Product ID | Description |
|---|---|
| 21187-0516 | Combination Wrench Stainless Steel 5/16" |
| 21187-0308 | Combination Wrench Stainless Steel 3/8" |
| 21187-0716 | Combination Wrench Stainless Steel 7/16" |
| 21187-0102 | Combination Wrench Stainless Steel 1/2" |
| 21187-0916 | Combination Wrench Stainless Steel 9/16" |
| 21187-0508 | Combination Wrench Stainless Steel 5/8" |

## Combination Wrenches - Stainless Steel 6-Piece Set

- Made from 304 series stainless steel
- Can be autoclaved to temperatures up to 250-degrees Fahrenheit
- Rust resistant, can help eliminate risk of ferrous contamination
- Includes handy roll up plastic pouch



21187-105

| Product ID | Description |
|---|---|
| 21187-105 | Combination Wrenches Stainless Steel 6-Piece Set |

## Diagonal Cutter - Stainless Steel 6"

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Oval head designed for greater access in confined spaces
- Beveled cutting edge is hardened for long lasting performance
- Can be autoclaved to temperatures up to 250-degrees Fahrenheit



10355

| Product ID | Description |
|---|---|
| 10355 | Diagonal Cutter - Stainless Steel 6" |

## Diagonal Cutter w/ Comfort Grip Handles 6"

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Oval head designed for greater access in confined spaces
- Beveled cutting edge is hardened for long lasting performance
- Ergonomically designed grips for extra comfort



10355-ER

| Product ID | Description |
|---|---|
| 10355-ER | Diagonal Cutter w/ Comfort Grip Handles 6" |

## Diagonal Cutter "High Leverage" Stainless Steel 7"

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Provides more cutting power than general purpose pliers
- Beveled cutting edge is hardened for long lasting performance
- Can be autoclaved to temperatures up to 250-degrees Fahrenheit



10356

| Product ID | Description |
|---|---|
| 10356 | Diagonal Cutter "High Leverage" Stainless Steel 7" |

# Stainless Steel Hand Tools



## Flat Nose Parallel Action Pliers 6.75"


10766

- Serrated Jaws with V-Slot for holding wire
- Grip remains consistently parallel along full length of jaw when open or closed
- Compound lever action with no spring
- Built-in wire cutter cuts soft wire up to 4mm (0.16")

| Product ID | Description |
|---|---|
| 10766 | Flat Nose Parallel Action Pliers 6.75" |

## Groove Joint Pliers Stainless Steel 9.5"


10365

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Slip-resistant tongue and groove design used for grasping and turning
- Serrated jaws with four adjustable positions
- Can be autoclaved to temperatures up to 250-degrees Fahrenheit

| Product ID | Description |
|---|---|
| 10365 | Groove Joint Pliers Stainless Steel 9.5" |

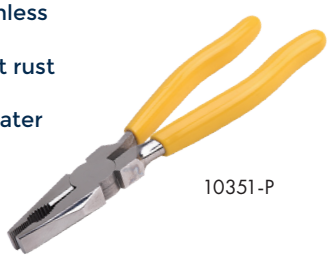
## Combination Pliers Stainless Steel 8"


10351

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Tapered head design allows for greater access in confined spaces
- Designed for gripping and turning round objects such as pipes, rods and pins
- Serrated jaws with machined gripping teeth and wire cutter

| Product ID | Description |
|---|---|
| 10351 | Combination Pliers Stainless Steel 8" |

## Combination Pliers w/ Plastic Grips 8"


10351-P

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Tapered head design allows for greater access in confined spaces
- Designed for gripping and turning round objects such as pipes, rods and pins
- Serrated jaws with machined gripping teeth and wire cutter

| Product ID | Description |
|---|---|
| 10351-P | Combination Pliers w/ Plastic Grips 8" |

## Long Nose Pliers Stainless Steel 6"


10360

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Tapered head design allows for greater access in confined spaces
- Designed for gripping and turning round objects such as pipes, rods and pins
- Serrated jaws with machined gripping teeth and wire cutter

| Product ID | Description |
|---|---|
| 10360 | Long Nose Pliers Stainless Steel 6" |

## Long Nose Pliers w/ Comfort Grip Handles 6"


10360-ER

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- Length and slim design are ideal for tight spaces
- Ergonomically designed grips for extra comfort

| Product ID | Description |
|---|---|
| 10360-ER | Long Nose Pliers w/ Comfort Grip Stainless Steel 6" |

## Pliers Set Stainless Steel


10381

- Mirror polished stainless steel provides excellent corrosion resistance
- Packaged in a leatherette roll-up pouch
- Set includes: 6" long-nose pliers, 6" slip-joint pliers, 6" wire-cutting pliers, 9-1/2" groove-joint pliers with flat jaws, and an 8" combination plier

| Product ID | Description |
|---|---|
| 10381 | Pliers Set Stainless Steel |

## Slip Joint Pliers Stainless Steel 6.5"


10370

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- All purpose pliers with serrated jaws, built-in wire cutter and pipe grip

| Product ID | Description |
|---|---|
| 10370 | Slip Joint Pliers Stainless Steel 6.5" |

# Stainless Steel Hand Tools



## Slip Joint Pliers w/ Plastic Grips 6.5"



10370-P

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent rust resistance
- All purpose pliers with serrated jaws, built-in wire cutter and pipe grip
- Plastic grips provide extra comfort

| Product ID | Description |
|---|---|
| 10370-P | Slip Joint Pliers w/ Plastic Grips 6.5" |

## Locking Pliers Stainless Steel 7"



10375

- Body and springs made from 304 non-magnetic stainless steel
- Jaws are made from 420-series stainless steel
- Fully polished to provide excellent rust resistance
- Smooth gliding locking mechanism enables easy one-handed operation
- Trigger release handles and easy turning pressure adjusting screw

| Product ID | Description |
|---|---|
| 10375 | Locking Pliers Stainless Steel 7" |

## Locking Pliers Stainless Steel 9"



10376

- Body and springs made from 304 non-magnetic stainless steel
- Jaws are made from 420-series stainless steel
- Fully polished to provide excellent rust resistance
- Smooth gliding locking mechanism enables easy one-handed operation
- Trigger release handles and easy turning pressure adjusting screw

| Product ID | Description |
|---|---|
| 10376 | Locking Pliers Stainless Steel 9" |

## Locking Pliers, Long Nose, Stainless Steel 6"



10376

- Fully polished stainless steel provides excellent corrosion resistance
- Smooth gliding locking mechanism enables easy one-handed operation
- Long thin nose is ideal for accessing tight spaces
- Trigger release handles and easy turning pressure adjusting screw

| Product ID | Description |
|---|---|
| 10377 | Locking Pliers, Long Nose, Stainless Steel 6" |



# Crimping Tools & Dies



## Crimping Tool for Wire Ferrules 12-22 AWG

- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- For wire ferrules 12-22AWG
- Exchange crimp dies by hand, no tools required


10178

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10178 | Crimping Tool for Wire Ferrules 12-22AWG | D | 22/20/18/16/14/12 | 0.5, 0.75,1.0,1.5,2.5,4.0 MM2 |

## Crimping Tool for Wire Ferrules 6-10 AWG

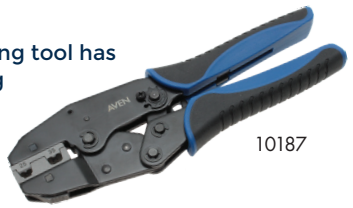
- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- For wire ferrules 6-10AWG
- Exchange crimp dies by hand, no tools required


10179

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10179 | Crimping Tool for Wire Ferrules 6-10AWG | F | 10/8/6 | 6/10/16 MM2 |

## Crimping Tool for Wire Ferrules AWG 4 & 2 (25 & 35mm2)

- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- For wire ferrules AWG 4 & 2
- Exchange crimp dies by hand, no tools required


10187

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10187 | Crimping Tool for Wire Ferrules AWG 4 & 2 | F1 | 4 & 2 (25 & 35mm2) | 25/35 MM2 |

## Crimping Tool for Insulated Terminals 22-18/16-14/12-10 AWG

- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- For wire ferrules 22-18/16-14/12-10 AWG
- Exchange crimp dies by hand, no tools required


10188

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10188 | Crimping Tool for Wire Ferrules 22-18/16-14/12-10AWG | A | 22-18/6-14/12-10 | 0.5-1.0/1.5-2.5/4-6 MM2 |

## Crimping Tool for Miniature Insulated Terminals 26-22/24-18/22-16 AWG

- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- For wire ferrules 26-22/24-18/22-16 AWG
- Exchange crimp dies by hand, no tools required


10189

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10189 | Crimping Tool for Miniature Insulated Terminals 26-22/24-18/22-16 AWG | A3 | 26-22/24-18/22-16 | 0.1-0.5/0.25-1.0/0.5-1.5 MM2 |

## Crimping Tool for Heat Shrink Terminals 22-18/16-14/12-10/8 AWG

- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- For wire ferrules 22-18/16-14/12-10/8 AWG
- Exchange crimp dies by hand, no tools required


10190

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10190 | Crimping Tool for Heat Shrink Terminals 22-18/16-14/12-10/8 AWG | A1 | 22-18/16-14/12-10/8 | 0.5-1.0/1.5-2.5/4-6/10 mm |

## Crimping Tool Frame

- Aven's professional-grade crimping tool has a smooth and efficient ratcheting mechanism that creates uniform and secure crimps
- Frame for all Aven Replacement Crimping Tool Dies
- Exchange crimp dies by hand, no tools required
- Replacement Dies sold separately


10195

| Product ID | Description |
|---|---|
| 10195 | Crimping Tool Frame |

## Crimping Die D for Cord End Terminals 22/20/18/16/14/12 AWG

- Interchangeable hardened steel dies for Aven Crimping Tools only
- Dies are quickly replaced by hand, no tools required


10178DS

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10178DS | Crimping Die D for Cord End Terminals 22/20/18/16/14/12 AWG | D | 22/20/18/16/14/12 | 0.5, 0.75,1.0,1.5,2.5,4.0 MM2 |

# Crimping Tools & Dies

AVEN Tools for Advancing Innovation™

## Crimping Die F

### AWG: 10/8/6, DIN: 6/10/16 MM2 22/20/18/16/14/12 AWG

- Interchangeable hardened steel dies for Aven Crimping Tools only
- Dies are quickly replaced by hand, no tools required

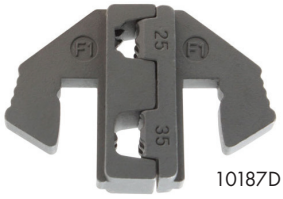

10179DS

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10179DS | Crimping Die F AWG: 10/8/6, DIN: 6/10/16 MM2 | F | 10/8/6 | 6/10/16 MM2 |

## Crimping Die F1

### For Insulated Cord Terminals 4/2

- Interchangeable hardened steel dies for Aven Crimping Tools only
- Dies are quickly replaced by hand, no tools required

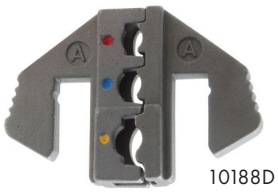

10187D

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10187D | Crimping Die F1, for Insulated Cord Terminals 4/2 | F1 | 4 & 2 | 25/35 MM2 |

## Crimping Die A

### For Insulated End Terminals 22-18/16-14/12-10 AWG

- Interchangeable hardened steel dies for Aven Crimping Tools only
- Dies are quickly replaced by hand, no tools required

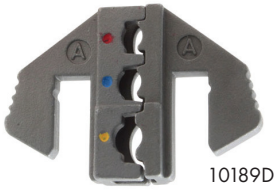

10188D

| Product ID | Description | Jaw | AWG |
|---|---|---|---|
| 10188D | Crimping Die A for Insulated End Terminals 22-18/16-14/12-10 AWG | A | 22-18/16-14/12-10 |

## Crimping Die A3

### for Miniature Insulated Terminals 26-22/24-18/22-16 AWG

- Interchangeable hardened steel dies for Aven Crimping Tools only
- Dies are quickly replaced by hand, no tools required


10189D

| Product ID | Description | Jaw | AWG | DIN |
|---|---|---|---|---|
| 10189D | Crimping Die A3 for Miniature Insulated Terminals 26-22/24-18/22-16 AWG | A3 | 26-22/24-18/22-16 | 0.1-0.5/0.25-1/0.5-1.5mm2 |

## Crimping Die A1

### for Heat Shrink Terminals 22-18/16-14/12-10/8 AWG

- Interchangeable hardened steel dies for Aven Crimping Tools only
- Dies are quickly replaced by hand, no tools required


10190D

| Product ID | Description | Jaw | AWG |
|---|---|---|---|
| 10190D | Crimping Die A1 for Heat Shrink Terminals 22-18/16-14/12-10/8 AWG | A1 | 22-18/16-14/12-10/8 |

## Crimping Tool

### for Connectors 2.5mm-5mm

- Crimps over 80 different connectors onto 28 to 18 AWG wire
- Crimps micro connectors from 2.5 to 5 mm
- Joint set screw prevents tool from becoming loose at the joint and allows for easy maintenance


10141

| Product ID | Description | AWG |
|---|---|---|
| 10141 | Crimping Tool for Connectors 2.5mm-5mm | 28-18 |

## Crimping Tool

### for RJ11 & RJ45 Modular Plugs

- Built-in ratchet applies correct pressure to ensure complete crimp
- Lightweight frame made from steel, compact and durable
- Cut and strip wire in one easy operation, easy and efficient
- Crimps RJ-11 and RJ-45 modular plugs


10182

| Product ID | Description |
|---|---|
| 10141 | Crimping Tool for RJ11 & RJ45 Modular Plugs |

## See Our Crimping Tutorial

"How to use AVEN Crimp Tools"

**at www.AvenTools.com**

# Scissors



## 5" Electrician Scissor

- Fully polished stainless steel provides excellent corrosion resistance
- Scraper and file on back edge of the blade
- Notched to strip 23-19 AWG wire



11012

| Product ID | Description |
|---|---|
| 11012 | 5" Electrician Scissor |

## 4-1/2" Slim Blade Straight Scissor

- Fully polished stainless steel provides excellent corrosion resistance
- Precision scissor for general use and cutting fine wire
- 1-1/4" durable stainless steel blade



11014

| Product ID | Description |
|---|---|
| 11014 | 4-1/2" Slim Blade Staight Scissor |

## 4-1/2" Precision Scissor

- Fully polished stainless steel provides excellent corrosion resistance
- Fine beaks for precise and delicate work
- 1-3/8" durable stainless steel blade



11016

| Product ID | Description |
|---|---|
| 11016 | 4-1/2" Precision Scissor |

## 8" All Purpose Standard Scissor

- Fully polished stainless steel provides excellent corrosion resistance
- 3-3/4" durable stainless steel blade



11023

| Product ID | Description |
|---|---|
| 11023 | 8" All Purpose Standard Scissor |

# Probes

## Probe Straight Needle Point

- Made from 400 series stainless steel
- Sharp tip for precision work around delicate circuits and components
- Eight sided handle to ensure grip and prevent rolling



20031

| Product ID | Description |
|---|---|
| 20031 | Probe Straight Needle Point |

## Probe Bent Needle Point

- Made from 400 series stainless steel
- Sharp tip for precision work around delicate circuits and components
- Eight sided handle to ensure grip and prevent rolling



20032

| Product ID | Description |
|---|---|
| 20032 | Probe Bent Needle Point |

## Probe Curved Needle Point

- Made from 400 series stainless steel
- Sharp tip for precision work around delicate circuits and components
- Eight sided handle to ensure grip and prevent rolling



20034

| Product ID | Description |
|---|---|
| 20034 | Probe Curved Needle Point |

## Probe Double Sided Scraper Bent Tips

- Made from 400 series stainless steel
- Sharp tip for precision work around delicate circuits and components



20035

| Product ID | Description |
|---|---|
| 20035 | Probe Double Sided Scraper Bent Tips |

## Probe Double End Bent/Curved

- Made from 400 series stainless steel
- Sharp tip for precision work around delicate circuits and components

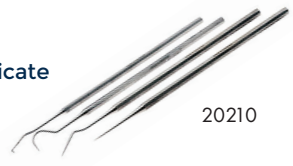


20039

| Product ID | Description |
|---|---|
| 20039 | Probe Double End Bent/Curved |

## Stainless Steel Probe 4-Piece Set

- Made from 400 series stainless steel
- Sharp tip for precision work around delicate circuits and components
- Set of four contains: Straight, Bent, Curved and Angled Models



20210

| Product ID | Description |
|---|---|
| 20210 | Stainless Steel Probe 4-Piece Set |

# Hemostats

## Alligator Clamp

- Serrated jaws for secure grip
- Angled to provide maximum view
- Stainless steel construction
- Designed to securely retrieve and hold small parts



12201

| Product ID | Description | Jaw Length | Opening |
|---|---|---|---|
| 12201 | Alligator Clamp 3.5" | 0.5" | 0.25" |
| 12202 | Alligator Clamp 5.5" | 0.5" | 0.25" |

## Hemostat - Straight

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent corrosion resistance
- Serrated jaws hold objects firmly without cutting them
- Designed for intricate work in tight spaces
- Ratchet lock in handle allows varying gripping pressure



12001

| Product ID | Description | Jaw Length |
|---|---|---|
| 12001 | Hemostat - Straight \| 3.5in | 20mm |
| 12015 | Hemostat - Straight \| 5in | 25.4mm |
| 12011 | Hemostat - Straight \| 5in w/Plastic Coated Handle | 25.4mm |
| 12017 | Hemostat - Straight \| 6in | 31.75mm |
| 12013 | Hemostat - Straight \| 6in w/Plastic Coated Handle | 31.75mm |
| 12019 | Hemostat - Straight \| 8in | 60mm |
| 12021 | Hemostat - Straight \| 16in | 127mm |
| 12030 | Hemostat - Straight \| 18in | 139mm |
| 12032 | Hemostat - Straight \| 24in | 155mm |

## Hemostat - Curved

- Manufactured from 400 series stainless steel
- Mirror polished to provide excellent corrosion resistance
- Serrated jaws hold objects firmly without cutting them
- Designed for intricate work in tight spaces
- Ratchet lock in handle allows varying gripping pressure



12002

| Product ID | Description | Jaw Length |
|---|---|---|
| 12002 | Hemostat - Curved \| 3.5in | 20mm |
| 12016 | Hemostat - Curved \| 5in | 25.4mm |
| 12012 | Hemostat - Curved \| 5in w/Plastic Coated Handle | 25.4mm |
| 12018 | Hemostat - Curved \| 6in | 31.75mm |
| 12014 | Hemostat - Curved \| 6in w/Plastic Coated Handle | 31.75mm |
| 12020 | Hemostat - Curved \| 8in | 60mm |
| 12022 | Hemostat - Curved \| 16in | 127mm |
| 12031 | Hemostat - Curved \| 18in | 139mm |
| 12033 | Hemostat - Curved \| 24in | 155mm |

Did you know Aven offers a **limited lifetime warranty** on all hand tools? Visit www.AvenTools.com for more information.

# Knives & Blades

## Technik K-18 Grip-On Non-Roll Soft Handle Knife

- 5-inch comfortable soft grip handle
- Four jaw machined aluminum chuck for secure blade positioning
- Includes a super sharp #11 blade and clear plastic safety cap
- Ideal for cutting or trimming plastic, wood, paper, cloth and film
- Fits replacement blades #10, 11, 16, 17



44011

| Product ID | Description | Blade Size |
|---|---|---|
| 44011 | Technik K-18 Grip-On Non-Roll Soft Handle Knife | #11 |

## Technik K-1 Precision Light Duty Knife

- 4-3/4-inch aluminum handle
- 4-slot point chuck for easy blade release
- Includes a super sharp #11 blade and a high impact safety cap
- Ideal for precision cutting, forming and stripping of paper, plastic, wood, cloth and film
- Fits replacement blades #10, 11, 16, 17



44012

| Product ID | Description | Blade Size |
|---|---|---|
| 44012 | Technik K-1 Precision Light Duty Knife | #11 |

# Knives & Blades

AVEN Tools for Advancing Innovation™

## Technik K-2 Medium Duty Knife



44013

- 4-3/4-inch aluminum handle
- 4-slot point chuck for easy blade release
- Includes a super sharp #22 blade and a high impact safety cap
- Ideal for precision cutting, trimming and stripping paper, plastic, wood, cloth and film
- Fits replacement blades #2, 18, 19, 22, 23, 24, 25, 26, 27, 28

| Product ID | Description | Blade Size |
|---|---|---|
| 44013 | Technik K-2 Medium Duty Knife | #22 |

## Technik K-5 Heavy Duty Knife



44014

- 7/16-inch aluminum adapter
- 4-slot point chuck for easy blade release
- Includes a #19 sharp edge angled blade and a snug fitting plastic safety cap
- Ideal for precision cutting, trimming and stripping paper, plastic, and wood
- Fits replacement blades #2, 18, 19, 22, 23, 24, 25, 26, 27, 28

| Product ID | Description | Blade Size |
|---|---|---|
| 44014 | Technik K-5 Heavy Duty Knife | #19 |

## Technik K-8 Flat Handle Light Duty Knife



44015

- Sleek long handle design with a sharp utility blade
- Both ends of the blade can be used for cutting
- Blade can be adjusted easily
- Ideal for cutting boxes, wood, leather and foam
- Fits replacement blades 44257, K-8 Replacement Blade (5/pk)

| Product ID | Description |
|---|---|
| 44015 | Technik K-8 Flat Handle Light Duty Knife |

## Technik K-10 Plastic Snap Blade Knife



44016

- 13-point snap off blade in a strong plastic track
- Plastic auto-lock handle
- Ideal for home, office, or industrial use cutting paper, plastic, wood and other items
- Fits replacement blades 44256, K-10 Replacement Blade (100/pk)

| Product ID | Description |
|---|---|
| 44016 | Technik K-10 Plastic Snap Blade Knife |

## Technik K-13 Heavy Duty Snap Blade Knife



44017

- 7-point deluxe snap off blade in a strong plastic track
- Plastic auto-lock handle
- Ideal for home, office, or industrial use cutting paper, plastic, wood and other items
- Fits replacement blades 44254, K-13 Replacement Blade (100/pk)

| Product ID | Description |
|---|---|
| 44017 | Technik K-13 Heavy Duty Snap Blade Knife |

## Technik K-40 Pocket Clip Light Duty Utility Knife



44018

- Multi-purpose precision knife is ideal for cutting and trimming
- Unique twist lock pocket clip safety cap
- Machined aluminum 4 jaw chuck for tight secure blade housing
- Comfortable ridged tapered plastic handle
- Fits replacement blades #10, 11, 16, 17
- Super sharp #11 blade

| Product ID | Description |
|---|---|
| 44018 | Technik K-40 Pocket Clip Light Duty Utility Knife |

## Technik Knife Set



44101

- Contains K1, K2, K5 knife handles
- 13 assorted blades
- Organized in convenient plastic tray

| Product ID | Description |
|---|---|
| 44101 | Technik Knife Set |

## Technik Deluxe Knife Set



44102

- Contains K1, K2, K5 knife handles
- 13 assorted blades
- Includes a Teflon covered magnetic strip to help secure the blades
- Securely organized in a deluxe wooden box

| Product ID | Description |
|---|---|
| 44101 | Technik Deluxe Knife Set |

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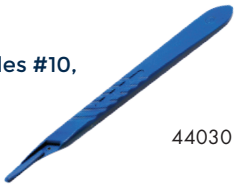
# Scalpels & Blades



## Scalpel Blade Handle Plastic #3

- #3 size handle is designed to fit blade styles #10, 11, 12, & 15
- Makes loading blades easy
- Perfectly balanced and precision machined plastic
- Fluted finger grips



44030

| Product ID | Description |
|---|---|
| 44030 | Scalpel Blade Handle Plastic #3 |

## Scalpel Blade Handle Stainless Steel #3

- #3 size handle is designed to fit blade styles #10, 11, 12, & 15
- Makes loading blades easy
- Perfectly balanced and precision machined stainless steel
- Fluted finger grips

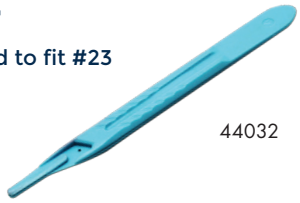


44031

| Product ID | Description |
|---|---|
| 44031 | Scalpel Blade Handle Stainless Steel #3 |

## Scalpel Blade Handle Plastic #4

- #4 size handle is specifically designed to fit #23 blade style
- Makes loading blades easy
- Perfectly balanced and precision machined plastic
- Fluted finger grips



44032

| Product ID | Description |
|---|---|
| 44032 | Scalpel Blade Handle Plastic #4 |

## Scalpel Blade Handle Stainless Steel #4

- #4 size handle is specifically designed to fit #23 blade style
- Makes loading blades easy
- Perfectly balanced and precision machined stainless steel
- Fluted finger grips

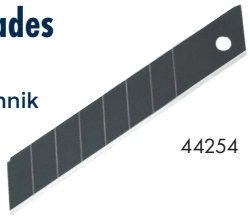


44033

| Product ID | Description |
|---|---|
| 44033 | Scalpel Blade Handle Stainless Steel #4 |

## K-8, K-10 & K-13 Replacement Blades

- Snap-off replacement blades
- Replacement blade for Technik K-8, Technik K-10, and Technik K-13 knives
- Ideal for home, office, or industrial use cutting paper, plastic, wood and other items



44254

| Product ID | Description |
|---|---|
| 44254 | K-13 Replacement Blade (100/pk) |
| 44256 | K-10 Replacement Blade (100/pk) |
| 44257 | K-8 Replacement Blade (5/pk) |

## Replacement Blades




| Product ID | Description |
|---|---|
| 44201 | No. 2 Blade (5/pk) |
| 44202 | No. 2 Blade (100/pk) |
| 44203 | No. 10 Blade (5/pk) |
| 44204 | No. 10 Blade (100/pk) |
| 44205 | No. 11 Blade (5/pk) |
| 44205S | No. 11 Stainless Steel Blade (5/pk) |
| 44206 | No. 11 Blade (100/pk) |
| 44206S | No. 11 Stainless Steel Blade (100/pk) |
| 44211 | No. 16 Blade (5/pk) |
| 44212 | No. 16 Blade (100/pk) |
| 44213 | No. 17 Blade (5/pk) |
| 44214 | No. 17 Blade (100/pk) |
| 44215 | No. 18 Blade (5/pk) |

| Product ID | Description |
|---|---|
| 44216 | No. 18 Blade (100/pk) |
| 44217 | No. 19 Blade (5/pk) |
| 44218 | No. 19 Blade (100/pk) |
| 44221 | No. 22 Blade (5/pk) |
| 44222 | No. 22 Blade (100/pk) |
| 44223 | No. 23 Blade (5/pk) |
| 44224 | No. 23 Blade (100/pk) |
| 44225 | No. 24 Blade (5/pk) |
| 44226 | No. 24 Blade (100/pk) |
| 44227 | No. 25 Blade (5/pk) |
| 44228 | No. 25 Blade (100/pk) |
| 44229 | No. 26 Blade (5/pk) |
| 44230 | No. 27 Blade (5/pk) |
| 44231 | No. 28 Blade (5/pk) |

## Scalpel Blades

- Made from surgical quality non-sterile .015" thick stainless steel
- Very sharp, precise and durable blade generally used for precision cutting in micro circuitry, photography, art, etc.
- Can be used with a plastic or stainless steel handle
- Contains two pieces per tube



44041

| Product ID | Description | Blade Type |
|---|---|---|
| 44041 | Scalpel Blade #10 | Curved cutting edge |
| 44042 | Scalpel Blade #11 | Elongated triangular cutting edge |
| 44043 | Scalpel Blade #12 | Small, pointed, crescent shaped cutting edge |
| 44044 | Scalpel Blade #15 | Small curved cutting edge |
| 44045 | Scalpel Blade #23 | Rounded "leaf shaped" cutting edge |

# Cutters

## Accu-Cut® Oval Head Cutter

- This popular shape can be used for many applications
- ESD safe ergonomic grips
- Robust oval head designed for durability



10821S

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10821S | Accu-Cut® Oval Head Cutter | Semi-Flush | 0.2mm-1.25mm |
| 10821F | Accu-Cut® Oval Head Cutter | Flush | 0.15-1.25mm |

## Accu-Cut® Oval Relief Head Cutter

- This popular shape can be used for many applications
- Relieved head allows easier access in tight confined areas
- ESD safe ergonomic grips
- Designed to be durable



10822F

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10822S | Accu-Cut® Oval Relief Head Cutter | Semi-Flush | 0.2-1.2mm |
| 10822F | Accu-Cut® Oval Relief Head Cutter | Flush | 0.15-1.1mm |

## Accu-Cut® Large Oval Head Cutter

- 25% larger than our standard oval head cutters
- Larger cutting capacity
- ESD safe ergonomic grips
- Designed to be durable



10823S

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10823S | Accu-Cut® Large Oval Head Cutter | Semi-Flush | 0.2-1.5mm |
| 10823F | Accu-Cut® Large Oval Head Cutter | Flush | 0.15-1.5mm |
| 10823R | Accu-Cut® Large Oval Head Cutter | Razor Flush® | 0.15-1.3mm |

## Accu-Cut® XL Oval Head Cutter

- Extra large oval head for cutting heavy duty wire
- ESD safe ergonomic grips
- Designed to be durable



10829S

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10823S | Accu-Cut® Large Oval Head Cutter | Semi-Flush | 0.2-1.5mm |
| 10823F | Accu-Cut® Large Oval Head Cutter | Flush | 0.15-1.5mm |
| 10823R | Accu-Cut® Large Oval Head Cutter | Razor Flush® | 0.15-1.3mm |

## Accu-Cut® Mini Oval Head Cutter

- Miniature oval head for fine cutting work
- ESD safe ergonomic grips
- Designed to be durable



10827F

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10827S | Accu-Cut® Mini Oval Head Cutter | Semi-Flush | 0.2-1.25mm |
| 10827F | Accu-Cut® Mini Oval Head Cutter | Flush | 0.1-0.9mm |

## Accu-Cut® Tapered Head Cutter

- Pointed head allows for increased access in tight areas
- ESD safe ergonomic grips
- Designed to be durable



10825S

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10825S | Accu-Cut® Tapered Head Cutter | Semi-Flush | 0.2-1.25mm |
| 10825F | Accu-Cut® Tapered Head Cutter | Flush | 0.15-1.25mm |

## Accu-Cut® Tapered Relief Head Cutter

- Pointed head with relief allows for increased access in tight areas
- ESD safe ergonomic grips
- Designed to be durable



10826F

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10826S | Accu-Cut® Tapered Relief Head Cutter | Semi-Flush | 0.2-1.15mm |
| 10826F | Accu-Cut® Tapered Relief Head Cutter | Flush | 0.1-1.05mm |

## Accu-Cut® Mini Tapered Relief Cutter

- Miniature tapered head with relief for exceptionally fine cutting work
- ESD safe ergonomic grips
- Designed to be durable



10828S

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10828S | Accu-Cut® Mini Tapered Relief Cutter | Semi-Flush | 0.2-1.1mm |
| 10828F | Accu-Cut® Mini Tapered Relief Cutter | Flush | 0.1-1mm |

## Technik® Oval Head Cutter 144mm (4.5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10321

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10321* | Technik® Oval Head Cutter 114mm (4.5") | Semi-Flush | 0.2-1.25mm |
| 10323 | Technik® Oval Head Cutter 114mm (4.5") | Flush | 0.15-1.25mm |

## Technik® Tapered Head Cutter 114mm (4.5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10325

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10325 | Technik® Tapered Head Cutter 114mm (4.5") | Semi-Flush | 0.2-1.25mm |
| 10326 | Technik® Tapered Head Cutter 114mm (4.5") | Flush | 0.15-1.25mm |

## Technik® Mini Tapered Head Cutter 110mm (4.3in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10331

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10331 | Technik® Mini Tapered Head Cutter 110mm (4.3") | Flush | 0.1-1.25mm |

## Technik® End Cutter 144mm (4.5in)


10327

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability
- Designed to cut close to the surface leaving smooth surface behind

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10327* | Technik® End Cutter 144mm (4.5") | Semi-Flush | 0.2-1.25mm |

## Technik® Oblique Head Cutter 144mm (4.5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability
- Oblique tip can be used for fine wire cutting


10328

| Product ID | Description | Cutting Edge | Capacity |
|---|---|---|---|
| 10328 | Technik® Oblique Head Cutter 144mm (4.5") | Semi-Flush | 0.2-1.25mm |

## Technik® Long Nose Pliers w/ Cutter 120.5mm (4.75")

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10315

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10315* | Technik® Long Nose Plier w/ Cutter 120.5mm (4.75") | 26.4mm | 1.8mm | Serrated |

## Technik® Chain Nose Pliers 144mm (4.5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10301

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10301 | Technik® Chain Nose Pliers 114mm (4.5") | 23.6mm | 1.8mm | Smooth |
| 10307 | Technik® Chain Nose Pliers 114mm (4.5") | 23.6mm | 1.8mm | Serrated |

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NOTE: Product ID's with * included in 10600A Precision Stainless Steel Pliers Set

## Technik® Chain Nose Pliers 127mm (5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10302

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10302 | Technik® Chain Nose Pliers 127mm (5") | 26.6mm | 1.8mm | Smooth |
| 10308 | Technik® Chain Nose Pliers 127mm (5") | 26.6mm | 1.8mm | Serrated |
| 10311 | Technik® Chain Nose Pliers 127mm (5") | 37.4mm | 1.8mm | Smooth |
| 10311S | Technik® Chain Nose Pliers 127mm (5") | 37.4mm | 1.8mm | Serrated |

## Technik® Chain Nose Pliers 152mm (6in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10333

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10333 | Technik® Chain Nose Pliers 152mm (6") | 38.8mm | 2mm | Serrated |

## Technik® Flat Nose Pliers 114mm-152mm (4.5in-6in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10335

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10303* | Technik® Flat Nose Pliers 114mm (4.5") | 23.6mm | 3.2mm | Smooth |
| 10304 | Technik® Flat Nose Pliers 127mm (5") | 29.9mm | 5.87mm | Smooth |
| 10335 | Technik® Flat Nose Pliers 152mm (6") | 42mm | 5.3mm | Smooth |

NOTE: Product ID's with * included in 10600A Precision Stainless Steel Pliers Set

## Technik® Round Nose Pliers 114mm-127mm (4.5in-5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10305

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10305 | Technik® Round Nose Pliers 114mm (4.5") | 21.3mm | 1.14mm | Smooth |
| 10306 | Technik® Round Nose Pliers 127mm (5") | 23.6mm | 1.14mm | Smooth |

## Technik® Bent Nose Pliers 114mm (4.5in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10310

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10309 | Technik® Bent Nose Pliers 114mm (4.5") | 22.8mm | 1.5mm | Smooth |
| 10310 | Technik® Bent Nose Pliers 114mm (4.5") | 22.8mm | 1.5mm | Serrated |

## Technik® Bent Nose Pliers 152mm (6in)

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10313

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10313 | Technik® Bent Nose Pliers 152mm (6") | 40.6mm | 2mm | Smooth |

## Technik® Needle Nose Pliers 146mm (5.75")

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability


10314

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10314* | Technik® Needle Nose Pliers | 49mm | 1.5mm | Serrated |

# Technik®

## Stainless Steel Pliers & Cutters

### Technik® Needle Nose Pliers Curved 152mm (6")

- Manufactured from 400 series stainless steel
- Induction hardened jaws
- Dual leaf springs
- ESD safe cushioned grips
- Box joint construction provides superior jaw alignment and durability



10953

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10953 | Technik® Needle Nose Pliers Curved 152mm (6") | 31.2mm | 1.3mm | Serrated |

### Technik® Precision Stainless Steel Pliers Set 6pc

- Induction hardened jaws
- Dual leaf springs
- ESD Safe cushioned grips
- Manufactured from 400 series stainless steel
- Box Joint construction provides superior jaw alignment and durability
- Set includes: Technik Stainless Steel Pliers & Cutters - 10301, 10303, 10314, 10315, 10321, 10327
- Tools come with a handy leatherette pouch



10600A

| Product ID | Description | Jaw Length | Tip Width | Jaw Type |
|---|---|---|---|---|
| 10953 | Technik® Needle Nose Pliers Curved 152mm (6") | 31.2mm | 1.3mm | Serrated |

# Niptec®

### Niptec® TR 5000 Cutter

- Durable 5mm thick blades
- Compact ergonomic design
- Semi-flush cutting edge
- For use on copper wire up to 12 AWG
- ESD Safe grips



10501

| Product ID | Description | Cutting Edge |
|---|---|---|
| 10501 | Niptec® TR 5000 Cutter | Semi-Flush |

### Niptec® TR 25-E Cutter

- For use on copper wire up to 18 AWG
- Blue non-slip grips make tool comfortable and easy to use
- Compact ergonomic design
- Narrow cutting head for access into dense areas



10521EC

| Product ID | Description | Cutting Edge |
|---|---|---|
| 10521EC | Niptec® TR 25-E Cutter | Flush |

### Niptec® TR 5000PG Cutter

- Durable 5mm thick blades
- Compact ergonomic design
- Semi-flush cutting edge
- For use on copper wire up to 16 AWG
- ESD Safe grips



10503

| Product ID | Description | Cutting Edge |
|---|---|---|
| 10503 | Niptec® TR 5000PG Cutter | Flush |

### Niptec® TR 20M Cutter

- Compact ergonomic design
- ESD Safe grips make tool comfortable and easy to use
- For use on copper wire up to 20 AWG
- Small cutting head angled at 21° for access into tight places



10527B

| Product ID | Description | Cutting Edge |
|---|---|---|
| 10527B | Niptec® TR 20M Cutter | Flush |

### Niptec® TR 25 Cutter

- For use on copper wire up to 18 AWG
- ESD Safe grips
- Compact ergonomic design
- Narrow cutting head for access into dense areas



10521

| Product ID | Description | Cutting Edge |
|---|---|---|
| 10521 | Niptec® TR 25 Cutter | Flush |

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# Stealth Cutters

AVEN Tools for Advancing Innovation™





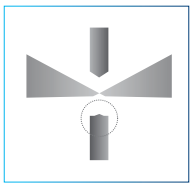
Premium Wire Cutters
- High performance alloy steel
- Non-reflective satin finish
- 60-63 HRC
- Precision screw joint construction



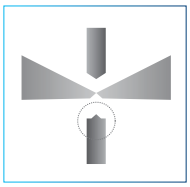

Comfortable Grip
- ESD Safe Comfort Grips
- Designed for all hand sizes
- Dual Leaf Springs



The Right Cutters For The Right Job
- Oval head, tapered head, and angled cutters
- Available with flush or semi-flush cutting blades



Flush Blade



Semi-Flush Blade

## Smooth Cutting Performance

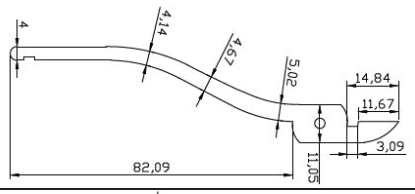
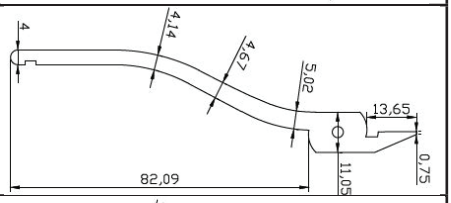
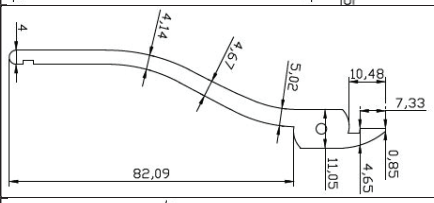
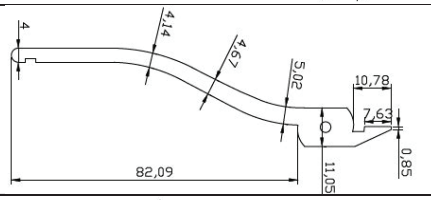
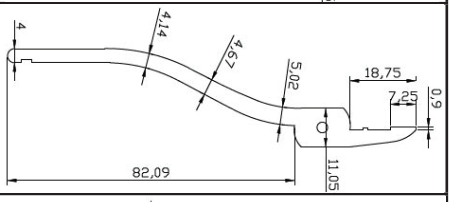
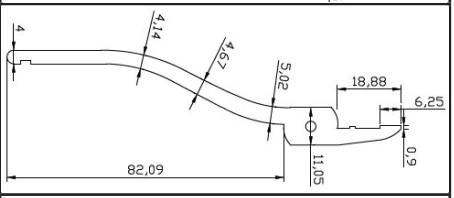
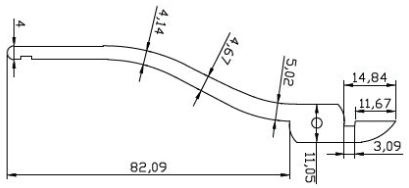
Aven Stealth Cutters are manufactured from a high carbon stainless steel for exceptional strength and durability. The cutters feature a non-reflective satin finish, a unique screw-joint for perfect alignment of the cutting blades while minimizing friction, induction hardened cutting edges that are produced using a proprietary grinding process to ensure edge angle accuracy and ESD safe ergonomically designed grips. Each cutter is individually inspected and checked for quality and performance.

Stealth Cutters are designed for durable longevity when cutting industry-standard soft copper wires. With a hardness rating of 55 HRC, the steel blades are less prone to becoming dull and brittle over time than cutters with higher ratings.

- High carbon stainless steel
- Ergonomic ESD safe comfort hand grips
- Ultra-responsive leaf springs for reduced hand fatigue
- Non-reflective satin finish
- Hardness rating: 55 HRC, making the blades less prone to becoming dull or brittle over time
- Screw joint construction for precise blade alignment

# Stealth Cutters

AVEN® Tools for Advancing Innovation™

| Head Style | Image | Part# | Cutting Capacity | Line Drawing |
|---|---|---|---|---|
| Oval Head |  | Flush: 10921F<br>Semi-Flush: 10921S | Flush: 0.15-1.20mm<br>Semi-Flush: 0.20-1.20mm |  |
| Tapered Head |  | Flush: 10925F<br>Semi-Flush: 10925S | Flush: 0.15 -1.00mm<br>Semi-Flush: 0.20-1.10mm |  |
| Mini Oval Head |  | Flush: 10927F | 0.10 - 1.00mm |  |
| Mini Tapered Head w/Relief |  | Flush: 10928F | 0.10 - 1.00mm |  |
| Angulated Cutter Large |  | Flush: 10935F | 0.10 - 0.65mm |  |
| Angulated Cutter Mini |  | Flush: 10934F | 0.10 - 0.65mm |  |
| Extra Large Oval Head |  | Flush: 10923F<br>Semi-Flush: 10921S | Flush: .10 - 2.0mm<br>Semi-Flush: 0.4 to 2mm | Line Drawing Available Upon Request |
| Oval Head With Relief |  | Flush: 10922F<br>Semi-Flush: 10922S | Flush: 0.15-1.20mm<br>Semi-Flush: 0.20-1.20mm |  |

# STEALTH PLIERS





Machined Stainless Steel
- Precise Tip Alignment
- Exceptional Durability



Ultra-Responsive
Dual Leaf Springs
- Reduce hand fatigue for repeated use




ESD Safe Grips
- Ergonomic comfort grips
- ESD Safe



7 Models Available
- Seven tip styles ideal for a variety of applications

## Heavy-Duty Precision Pliers

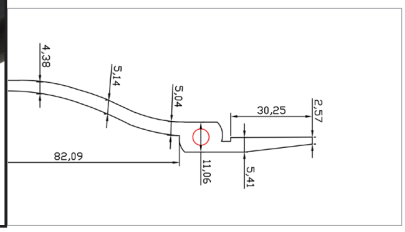
Made from machined stainless steel, Aven's Stealth Pliers are designed for heavy-duty use. Featuring screw joint construction for maximum durability, ensuring precise alignment for the life of the pliers. Ultra-responsive leaf springs provide easy opening and closing of the pliers for reduced hand fatigue during repetitive use. ESD safe, ergonomic hand grips provide protection against static build up and feel comfortable for all hand sizes. Ideal for projects that include forming, bending and precision assembly.

# STEALTH PLIERS



## CHAIN NOSE 5" WITH SMOOTH JAWS

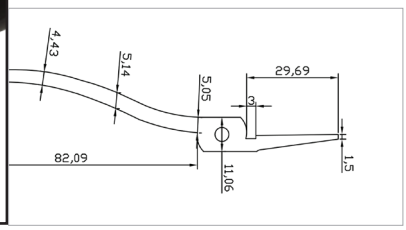
| ITEM # |
|---|
| 10841 |






## SHORT NEEDLE NOSE 5" WITH SMOOTH JAWS

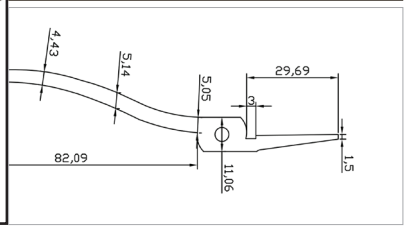
| ITEM # |
|---|
| 10845 |






## ROUND NOSE 5" WITH SMOOTH JAWS

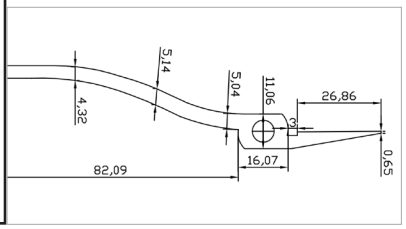
| ITEM # |
|---|
| 10846 |






## FLAT NOSE 5" WITH SMOOTH JAWS

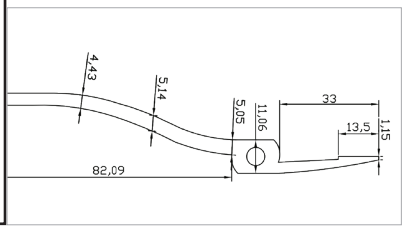
| ITEM # |
|---|
| 10847 |






## FLAT NOSE 6" WITH SMOOTH JAWS

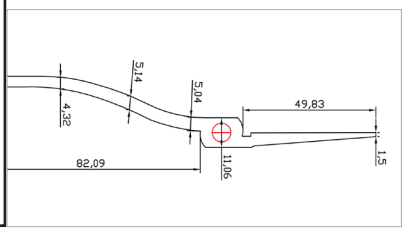
| ITEM # |
|---|
| 10848 |






## LONG NEEDLE NOSE 6" WITH SERRATED JAWS

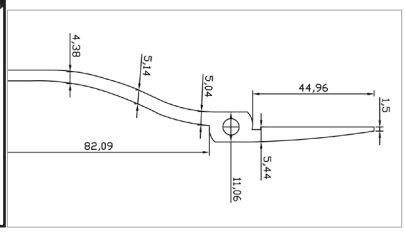
| ITEM # |
|---|
| 10849 |






## BENT NOSE 6" WITH SMOOTH JAWS

| ITEM # |
|---|
| 10850 |



## Pliers Parallel Action 5" Snipe Nose

- Grip remains consistently parallel along full length of jaw when open or closed
- Smooth, snipe profile jaws offer square vice-like grip
- Compound lever action with no spring
- Compact, ergonomic design
- Nickel-plated handles with jaws made of hardened steel



10753

| Product ID | Description | Max Opening | Jaw Length |
|---|---|---|---|
| 10753 | Pliers Parallel Action 5" Snipe Nose | 10mm | 25mm |

## Flat Nose Pliers 8"

- Serrated Jaws with V-Slot for holding wire
- Grip remains consistently parallel along full length of jaw when open or closed
- Compound lever action with no spring
- Nickel-plated handles with jaws made of hardened steel



10756

| Product ID | Description | Max Opening | Jaw Length |
|---|---|---|---|
| 10756 | Flat Nose Pliers 8" | 17mm | 41mm |

## Flat Nose Pliers w/ Wire Cutters 5"

- Serrated Jaws with V-Slot for holding wire
- Compound lever action with no spring
- Nickel-plated handles with jaws made of hardened steel
- Built-in wire cutter cuts soft wire up to 2.5mm (0.1")
- Grip remains consistently parallel along full length of jaw when open or closed



10761

| Product ID | Description | Max Opening | Jaw Length |
|---|---|---|---|
| 10761 | Flat Nose Pliers 5" | 17mm | 35mm |

## Diagonal Cutter Compound Action 6.5"

- Compound lever action handles give you more power for cutting and gripping
- Compound lever action handles require less force when cutting
- Durable, semi-flush cutting jaw will cut piano wire up to 2mm
- Ergonomic design provides extra comfort and ease in use
- Nickel-plated handles with jaws made of hardened steel



10754

| Product ID | Description | Max Opening | Jaw Length |
|---|---|---|---|
| 10754 | Diagonal Cutter Compound Action 6.5" | 17mm | 41mm |

## Flat Nose Pliers w/ Wire Cutters 8"

- Serrated Jaws with V-Slot for holding wire
- Grip remains consistently parallel along full length of jaw when open or closed
- Compound lever action with no spring
- Cushion-grip handles with jaws made of hardened steel
- Built-in wire cutter cuts soft wire up to 6mm (0.24")



10764

| Product ID | Description | Max Opening | Jaw Length |
|---|---|---|---|
| 10764 | Flat Nose Pliers w/Wire Cutters 8" | 17mm | 41mm |

## Need a Product Demonstration?

Request one at www.AvenTools.com

# Tweezers






Aven offers a wide variety of tweezers to meet a broad range of applications and 2 different quality grades.

In order to choose the best tool for your application:

1. Determine the type of points best suited for your application.
2. Refer to the material guide below and select the correct material for your application.
3. Determine the quality level required for your application if applicable. (Table 1)

Special Coatings (Available on non-magnetic stainless steel only)

TE - Teflon Superior anti-scratch, non-stick material. Acid resistant. 400°F/200°C

EP - Epoxy Good electrical insulation and resistance to chemicals. Antiglare. 300°F/150°C

* To order tweezers with above mentioned coatings, call Aven for price and delivery time.

| Quality Grades (Table 1) | |
|---|---|
| Accu-Tek ♦♦♦♦ | Made from the finest steels. Perfectly Balanced for a superior feel. Light weight with soft tension with accurately finished points. Recommended for work under high power magnification aerospace and micro electronics and in applications where high precision is required. All Accu-Tek precision tweezers are made from anti-acid, anti-magnetic stainless steel. |
| Technik ♦♦♦ | Finely crafted tweezers. Anti-glare finish to reduce eye strain. Hand finished points for accuracy. Recommended for micro electronics and precision assembly. |

| Material Selection Guide (Table 2) | | | |
|---|---|---|---|
| Material | Tip Hardness | Magnetism | Corrosion Resistance |
| Titanium | Excellent | Never | Excellent |
| Carbon steel | Excellent | Yes | Low |
| Stainless Steel | Very Good | Some | Good |
| Stainless Steel, Anti-magnetic, Anti-acid | Good | None to very little | Excellent, Resists Acids |
| Carbon Composite | Soft | None | Non-corrosive |

Titanium: Titanium tweezers are excellent for use in the silicon chip industry, as they do not shed particles like the stainless steel. When it is determined that microscopic particles are a detriment when handling abrasive parts we recommend using titanium tweezers. In addition since titanium tweezers are 100% non magnetic, they are extremely useful when working with magnetic materials or when working in a magnetic field. Titanium is lightweight and a high strength material.

Ceramic: ESD Safe, non magnetic. Resists all chemicals except hydrofluoric acids. Withstands temperatures up to 900°F. Heat sink fighter.

Plastic: We offer static dissipative plastic tweezers. Plastic tweezers are non magnetic, resist virtually all commercial solvents. Non absorbent and easy to clean. Tips are non-marring.

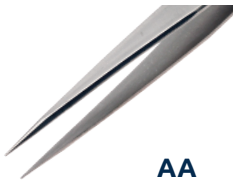
Carbofib: Fully ESD Safe (102 ohm) but at the same time, soft and non scratching. These conductive synthetic fiber tips are ideally suited to handle delicate and fragile components when extreme care and ESD safety are an absolute necessity. Every tweezers is manually finished and tested for maximum precision. Chemical resistant and heat resistant up to 256ºC.

# Tweezers



## Style AA Tweezers

For general assembly, very strong and precise tips with fine finish. Available in different materials and quality grades. Length: 5" (130mm)



AA

| Product ID | Description | Material |
|---|---|---|
| 18013USA | Technik Tweezers AA-SA | Stainless Steel |
| 18011-CS | Aven Tweezers AA-CS | Carbon Steel, Nickel/Chrome Plated |
| 18013TS | Accu-Tek AA (Swiss Made) | Titanium |
| 18013TT | Aven Tweezers AA | Titanium |
| 18013EZ | E-Z Pik Tweezers AA Yellow | Stainless Steel |
| 18013ARS | Artis Tweezers AA-SA | Stainless Steel |

## Style AC Tweezers

Sturdy tips for bending and handling very fine wire and components. Tweezers feature finger grips. Available in different materials and quality grades. Length: 4-3/4" (120mm)

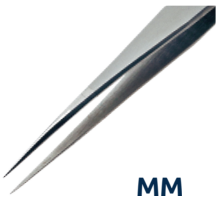


AC

| Product ID | Description | Material |
|---|---|---|
| 18016USA | Technik Tweezers AC-SA | Stainless Steel |
| 18014-CS | Aven Tweezers AC-CS | Carbon Steel, Nickel/Chrome Plated |

## Style MM Tweezers

General purpose, tweezers with hardened, precision tips and fine finish. Available in different materials and quality grades. Length: 5" (130mm)

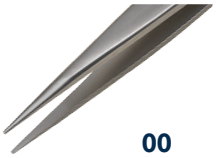


MM

| Product ID | Description | Material |
|---|---|---|
| 18023USA | Technik Tweezers MM-SA | Stainless Steel |
| 18014-CS | Aven Tweezers MM-CS | Carbon Steel, Nickel/Chrome Plated |
| 18023ARS | Artis Tweezers MM-SA | Stainless Steel |

## Style 00 Tweezers

Flat edges, heavy duty strong blades tapering to a regular strong point. Available in different materials and quality grades. Length: 4-3/4" (120mm)

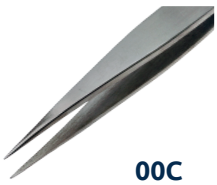


00

| Product ID | Description | Material |
|---|---|---|
| 18032ACU | Accu-Tek Tweezers 00-SA | Stainless Steel |
| 18032USA | Technik Tweezers 00-SA | Stainless Steel |
| 18032-CS | Aven Tweezers 00-CS | Carbon Steel, Nickel/Chrome Plated |
| 18032TS | Accu-Tek 00 (Swiss Made) | Titanium |
| 18032TT | Aven Tweezers 00 | Titanium |
| 18032EZ | E-Z Pik Tweezers 00 Red | Stainless Steel |
| 18032-ER | Comfort Grip Tweezers 00-SA | Stainless Steel |
| 18032ARS | Artis Tweezers 00-SA | Stainless Steel |

## Style 00C Tweezers

Flat edges, heavy duty strong blades tapering to a regular strong point. Slightly shorter than 00. Length: 4-1/2" (115mm)



00C

| Product ID | Description | Material |
|---|---|---|
| 18034USA | Technik Tweezers 00C-SA | Stainless Steel |

## Style 00D Tweezers

Flat edges, heavy duty strong blades tapering to a regular strong point. Tweezers feature finger grips. Available in different materials and quality grades. Length: 4-3/4" (120mm)

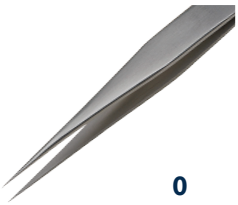


00D

| Product ID | Description | Material |
|---|---|---|
| 18037ACU | Accu-Tek Tweezers 00D-SA | Stainless Steel |
| 18037-MS | Mini 00D-SA (Swiss Made) | Stainless Steel |
| 18037USA | Technik Tweezers 00D-SA | Stainless Steel |
| 18036-CS | Aven Tweezers 00D-CS | Carbon Steel, Nickel/Chrome Plated |
| 18037TT | Aven Titanium Tweezers 00D | Titanium |

## Style 0 Tweezers

Extremely fine straight points for general handling and positioning of minature parts or fine wire. Available in different quality grades. Length: 4-3/4" (120mm)

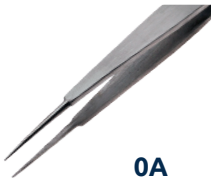


0

| Product ID | Description | Material |
|---|---|---|
| 18026ACU | Accu-Tek Tweezers 0-SA | Stainless Steel |
| 18026USA | Technik Tweezers 0-SA | Stainless Steel |

## Style 0A Tweezers

Straight point tweezers with radius edges are uniquely designed for working in small yet dense areas. Length: 4-3/4" (120mm)



0A

| Product ID | Description | Material |
|---|---|---|
| 18027USA | Technik Tweezers 0A-SA | Stainless Steel |

## Style 0C Tweezers

Straight point tweezers with flat edges, fine tips and shortened overall length for delicate handling of small parts. Available in different quality grades. Length: 3-1/2" (90mm)



0C

| Product ID | Description | Material |
|---|---|---|
| 18029ACU | Accu-Tek Tweezers 0C-SA | Stainless Steel |
| 18029USA | Technik Tweezers 0C-SA | Stainless Steel |

# Tweezers



## Style SS Tweezers

Extra long and narrow, straight point tweezers. Provides extended reach and access to confined areas. Available in different quality grades. Length: 5-1/2" (140mm)



SS

| Product ID | Description | Material |
|---|---|---|
| 18040ACU | Accu-Tek Tweezers SS-SA | Stainless Steel |
| 18040ACU | Artis Tweezers SS-SA | Stainless Steel |
| 18040USA | Technik Tweezers SS-SA | Stainless Steel |
| 18040ARS | Artis Tweezers SS-SA | Stainless Steel |

## Style 1 Tweezers

Designed for general use featuring strong blades with fine points. Available in different materials and quality grades. Length: 4-3/4" (120mm)



1

| Product ID | Description | Material |
|---|---|---|
| 18043ACU | Accu-Tek Tweezers 1-SA | Stainless Steel |
| 18043USA | Technik Tweezers 1-SA | Stainless Steel |
| 18043-CS | Aven Tweezers 1-CS | Carbon Steel, Nickel/Chrome Plated |
| 18043ARS | Artis Tweezers 1-SA | Stainless Steel |
| 18043TT | Aven Titanium Tweezers 1 | Titanium |
| 18043ARS | Artis Tweezers 1-SA | Stainless Steel |

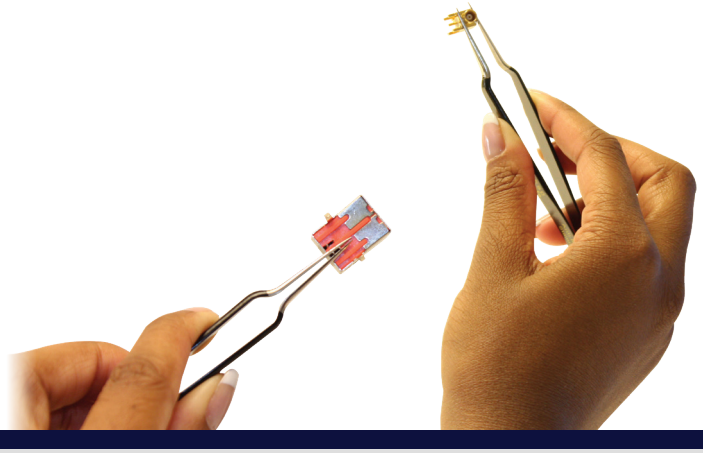
## Style 2 Tweezers

Tapered, sharp point tweezers for bending and handling of small wires and parts. Available in different materials and quality grades. Length: 4-3/4" (120mm)



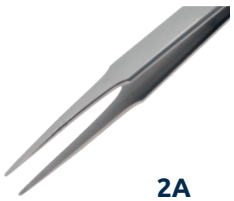
2

| Product ID | Description | Material |
|---|---|---|
| 18046ACU | Accu-Tek Tweezers 2-SA | Stainless Steel |
| 18046-MS | Mini 2-SA (Swiss Made) | Stainless Steel |
| 18046USA | Technik Tweezers 2-SA | Stainless Steel |
| 18046-CS | Aven Tweezers 2-CS | Carbon Steel, Nickel/Chrome Plated |
| 18046TS | Accu-Tek 2 (Swiss Made) | Titanium |
| 18046TT | Aven Titanium Tweezers 2 | Titanium |



## Style 2A Tweezers

Straight Flat Tips. Provides large flat gripping surface. Available in different materials and quality grades. Length: 4-3/4" (120mm)



2A

| Product ID | Description | Material |
|---|---|---|
| 18049ACU | Accu-Tek Tweezers 2A-SA | Stainless Steel |
| 18049-MS | Mini 2A-SA (Swiss Made) | Stainless Steel |
| 18049USA | Technik Tweezers 2A-SA | Stainless Steel |
| 18049-CS | Aven Tweezers 2A-CS | Carbon Steel, Nickel/Chrome Plated |
| 18049TS | Accu-Tek 2A (Swiss Made) | Titanium |
| 18049TT | Aven Titanium Tweezers 2A | Titanium |
| 18049EZ | E-Z Pik Tweezers 2A Black | Stainless Steel |
| 18049-ER | Comfort Grip Tweezers 2A-SA | Stainless Steel |
| 18043ARS | Artis Tweezers 2A-SA | Stainless Steel |

## Style 2AB Tweezers

Style 2AB Tweezers feature curved round tips, ideal for handling delicate or small parts. Tip angle facilitates wafer tray loading. Length: 4-3/4" (120mm)

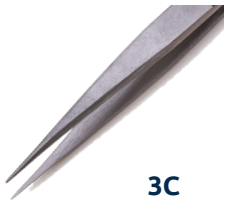


2AB

| Product ID | Description | Material |
|---|---|---|
| 18050USA | Technik Tweezers 2AB-SA | Stainless Steel |

## Style 3C Tweezers

Fine point tweezers, slightly shorter than #3, for general assembly or light magnification applications. Available in different materials and quality grades. Length: 4-1/4" (110mm)



3C

| Product ID | Description | Material |
|---|---|---|
| 18056ACU | Accu-Tek Tweezers 3C-SA | Stainless Steel |
| 18056USA | Technik Tweezers 3C-SA | Stainless Steel |
| 18054-CS | Aven Tweezers 3C-CS | Carbon Steel, Nickel/Chrome Plated |
| 18056TS | Accu-Tek 3C (Swiss Made) | Titanium |
| 18056TT | Aven Titanium Tweezers 3C | Titanium |
| 18056EZ | E-Z Pik Tweezers 3C Light Blue | Stainless Steel |
| 18056-ER | Comfort Grip Tweezers 3C-SA | Stainless Steel |
| 18056ARS | Artis Tweezers 3C-SA | Stainless Steel |

## Need Help Choosing a Tweezer?

Flip to page 53 or contact us at www.AvenTools.com

# Tweezers



## Style 3CB Tweezers

Long and narrow bent tip tweezers. Provides extended reach and access to confined areas. Length: 4-1/4" (110mm)

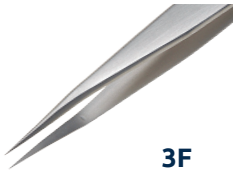


3CB

| Product ID | Description | Material |
|---|---|---|
| 18078ACU | Accu-Tek Tweezers 3CB-SA | Stainless Steel |

## Style 3F Tweezers

Tips touch over 3mm for holding tiny wires. Length: 4-3/4" (120mm)



3F

| Product ID | Description | Material |
|---|---|---|
| 18079ACU | Accu-Tek Tweezers 3F-SA | Stainless Steel |

## Style 35A Tweezers

Ideal for handling wafers, delicate parts, and delicate assembly work. Length: 4-3/4" (120mm)



35A

| Product ID | Description | Material |
|---|---|---|
| 18201USA | Aven Tweezers 35A-SA | Stainless Steel |

## Style 36 Tweezers

Angled broad tip tweezers feature large paddle style tips. Wide tips provide firm grip. Length: 4-3/4" (120mm)

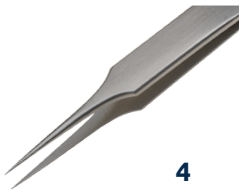


36

| Product ID | Description | Material |
|---|---|---|
| 18202USA | Aven Tweezers 36-SA | Stainless Steel |

## Style 4 Tweezers

Designed for extra fine work. Blades taper sharply from body to form very fine long rounded points. Available in different materials and quality grades. Length: 4-1/4" (110mm)



4

| Product ID | Description | Material |
|---|---|---|
| 18059ACU | Accu-Tek Tweezers 4-SA | Stainless Steel |
| 18059USA | Technik Tweezers 4-SA | Stainless Steel |
| 18057-CS | Aven Tweezers 4-CS | Carbon Steel, Nickel/Chrome Plated |
| 18059TT | Aven Titanium Tweezers 4 | Titanium |

## Style 5 Tweezers

Designed for extra fine work with long blades which break sharply from body and taper to the sharpest points available. Available in different materials and quality grades. Length: 4-1/4" (110mm)



5

| Product ID | Description | Material |
|---|---|---|
| 18062ACU | Accu-Tek Tweezers 5-SA | Stainless Steel |
| 18062-MS | Mini 5-SA (Swiss Made) | Stainless Steel |
| 18062USA | Technik Tweezers 5-SA | Stainless Steel |
| 18060-CS | Aven Tweezers 5-CS | Carbon Steel, Nickel/Chrome Plated |
| 18062TS | Accu-Tek 5 (Swiss Made) | Titanium |
| 18062TT | Aven Titanium Tweezers 5 | Titanium |
| 18062EZ | E-Z Pik Tweezers 5 Green | Stainless Steel |
| 18062-ER | Comfort Grip Tweezers 5-SA | Stainless Steel |
| 18062ARS | Artis Tweezer 5-SA | Stainless Steel |

## Style 5A Tweezers

Features the sharpest points available. The oblique fine points provide greater visibility. Available in different materials and quality grades. Length: 4-1/2" (115mm)



5A

| Product ID | Description | Material |
|---|---|---|
| 18065ACU | Accu-Tek Tweezers 5A-SA | Stainless Steel |
| 18065USA | Technik Tweezers 5A-SA | Stainless Steel |
| 18065TT | Aven Titanium Tweezers 5A | Titanium |

## Style 5B Tweezers

Features super micro high precision bent tips provide maximum visibility. Available in different materials and quality grades. Length: 4-1/4" (110mm)

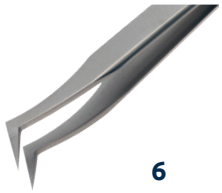


5B

| Product ID | Description | Material |
|---|---|---|
| 18066USA | Technik Tweezers 5B-SA | Stainless Steel |
| 18066-CS | Aven Tweezers 5B-CS | Carbon Steel, Nickel/Chrome Plated |

## Style 6 Tweezers

Angled fine tip is designed to allow greater access into tight areas. Available in different materials and quality grades. Length: 4-3/4" (120mm)



6

| Product ID | Description | Material |
|---|---|---|
| 18069ACU | Accu-Tek Tweezers 6-SA | Stainless Steel |
| 18069USA | Technik Tweezers 6-SA | Stainless Steel |
| 18067-CS | Aven Tweezers 6-CS | Carbon Steel, Nickel/Chrome Plated |
| 18069TS | Accu-Tek 6 (Swiss Made) | Titanium |
| 18069TT | Aven Titanium Tweezers 6 | Titanium |

# Tweezers



## Style 65A Tweezers

Long fine curved tips are designed to allow greater access into tight areas. Length: 5-1/2" (140mm)



65A

| Product ID | Description | Material |
|---|---|---|
| 18076ACU | Accu-Tek Tweezers 65A-SA | Stainless Steel |

## Style 66 Tweezers

Long double bent tips are designed to allow greater access into tight areas. Length: 5-1/2" (140mm)



66

| Product ID | Description | Material |
|---|---|---|
| 18077ACU | Accu-Tek Tweezers 66-SA | Stainless Steel |

## Style 7 Tweezers

Designed with curved, super fine points for easy assembly work, allowing hand to rest on bench. Available in different materials and quality grades. Length: 4-1/2" (115mm)



7

| Product ID | Description | Material |
|---|---|---|
| 18072ACU | Accu-Tek Tweezers 7-SA | Stainless Steel |
| 18072USA | Technik Tweezers 7-SA | Stainless Steel |
| 18070-CS | Aven Tweezers 7-CS | Carbon Steel, Nickel/Chrome Plated |
| 18072TS | Accu-Tek 7 (Swiss Made) | Titanium |
| 18072TT | Aven Titanium Tweezers 7 | Titanium |
| 18072EZ | E-Z Pik Tweezers 7 Orange | Stainless Steel |
| 18072-ER | Comfort Grip Tweezers 7-SA | Stainless Steel |
| 18072ARS | Artis Tweezer 7-SA | Stainless Steel |

## Style 7B Tweezers

Similar to style 7, pattern 7B tweezers feature serrated tips and have been designed with curved, super fine points for easy assembly work, allowing hand to rest on bench. Length: 4-1/2" (115mm)

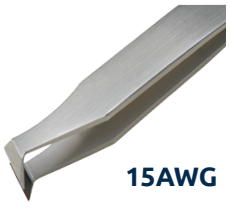


7B

| Product ID | Description | Material |
|---|---|---|
| 18074USA | Technik Tweezers 7B-SA | Stainless Steel |

## Style 15AWG Tweezers

Designed for culling hairsprings and electronic component wires. The blades, made from 400 series stainless steel induction for durability, feature hardened tips. Length: 4-1/2" (115mm)



15AWG

| Product ID | Description | Material |
|---|---|---|
| 18114ACU | Accu-Tek Tweezers 15AWG-SA | Stainless Steel |

## Aven 6-Piece Tweezer Set



18472

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Curved and straight tip tweezers are helpful when working in confined spaces
- Locking tweezers helpful for soldering and holding small parts

| Product ID | Description |
|---|---|
| 18472 | Aven 6-Piece Tweezer Set |

## Aven 5-Piece Tweezer Set



18473

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Curved and straight tip tweezers are helpful when working in confined spaces
- Locking tweezers helpful for soldering and holding small parts

| Product ID | Description |
|---|---|
| 18473 | Aven 5-Piece Tweezer Set |

## Technik 6-Piece Precision Tweezer Set



18475USA

- Finely crafted tweezers
- Anti-glare finish to reduce eye strain
- Hand finished points for accuracy
- Ideal for micro electronics and precision assembly
- Contains AA-SA, OO-SA, OODSA, 3C-SA, 5-SA and 7-SA styles

| Product ID | Description |
|---|---|
| 18475USA | Technik 6-Piece Precision Tweezer Set |

## Technik 5-Piece Precision Tweezer Set



18476USA

- Finely crafted tweezers
- Anti-glare finish to reduce eye strain
- Hand finished points for accuracy
- Ideal for micro electronics and precision assembly
- Contains OO-SA, OOD-SA, 3C-SA, 5-SA and 7-SA styles
- Supplied in an elegant padded wooden case

| Product ID | Description |
|---|---|
| 18476USA | Technik 5-Piece Precision Tweezer Set |

## E-Z Pik 6-Piece Tweezer Set



18480EZ

- Color coated for easy identification
- Contains AA-SA, OO-SA, OODSA, 3C-SA, 5-SA and 7-SA styles
- Stainless steel, anti-magnetic, anti-acid
- Highly durable special coating for high visibility and easy identification

| Product ID | Description |
|---|---|
| 18480EZ | E-Z Pik 6-Piece Tweezer Set |

## Titanium 6-Piece Precision Tweezer Set



18480TT

- Aven's most popular titanium tweezer styles in a handy pouch
- Titanium tweezers do not shed particles like the stainless steel tweezers
- Light weight and high strength material
- Contains 2A, 3c, OO, AA, 5 and 7 styles
- Extremely useful when handling magnetic materials

| Product ID | Description |
|---|---|
| 18480TT | Titanium 6-Piece Precision Tweezer Set |

## 9-Piece Artis Tweezers

18040ARS



Aven's cutting edge design features an angled bend at the end of the tip, which provides a softer overall grip with a large surface area that reduces hand fatigue, enhancing productivity. The durable tweezers are protected by an attractive ESD safe coating and highly feature polished stainless steel tips.

- Contains AA,MM, OO, SS, 1-SA, 2A-SA, 3C, 5-SA, and 7-SA styles

| Product ID | Description | Material |
|---|---|---|
| 18040ARS | Artis 9- Piece Tweezers w/ Carrying Case | Stainless Steel |

## Carbofib 3-CF Tweezers



18702

These Swiss made, ESD safe tweezers feature excellent wear and abrasion resistance. Ideal for handling sensitive materials such as electronic components, micro-mechanical parts, glass and ceramic substrates, these tweezers provide very high rigidity, excellent tensile and flexural strength and have good chemical resistance to oils, grease, fuels, and non-polar solvents. Length: 5" (130mm)

| Product ID | Description | Tip Style | Tip Width | Style |
|---|---|---|---|---|
| 18702 | Carbofib 302-CF Tweezers | Straight, Broad | 2mm | 302 |
| 18704 | Carbofib 304-CF Tweezers | Straight, Ultra Fine | 0.6mm | 304 |
| 18760 | Carbofib 3-CF Tweezers | Straight, Fine | 0.8mm | 3 |
| 18762 | Carbofib 5-CF Tweezers | Straight, Ultra Fine | 0.5mm | 5 |
| 18767 | Carbofib 2-CF Tweezers | Straight, Fine | 0.8mm | 2 |
| 18768 | Carbofib 2A-CF Tweezers | Straight, Rounded | 1.8mm | 2A |
| 18769 | Carbofib 7-CF Tweezers | Curved, Fine | 0.6mm | 7 |

## Style 2C Plastic Tweezers



18517

Straight with very fine tips and made of chemically resistant lightweight plastic, this anti-static tool will not damage sensitive electronic devices nor contaminate materials when used in corrosive environments.

| Product ID | Description | Length |
|---|---|---|
| 18517 | Plastic Tweezers 2C Fine, Straight Tips | 4-1/2" (115mm) |

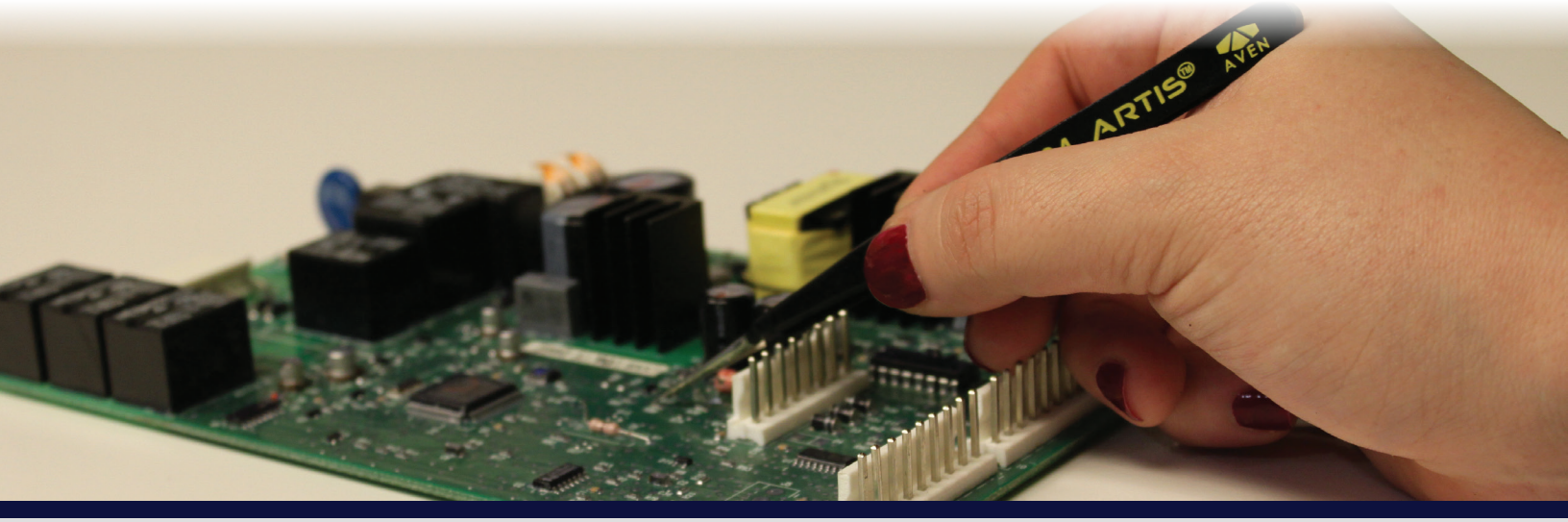
## Style 7 Plastic Tweezers



18523

Curved with very fine tips and made of chemically resistant lightweight plastic, this anti-static tool will not damage sensitive electronic devices such as hard drives nor contaminate materials when used in corrosive environments.

| Product ID | Description | Length |
|---|---|---|
| 18523 | Plastic Tweezers 7 Fine, Curved Tips | 4-1/2" (115mm) |



# Tweezers



## Style 35 Plastic Tweezers

Straight with flat tips and made of chemically resistant lightweight plastic, this anti-static tool will not damage sensitive electronic devices such as hard drives nor contaminate materials when used in corrosive environments.



18526

| Product ID | Description | Length |
|---|---|---|
| 18526 | Plastic Tweezers 35 Straight, Flat Tips | 4-1/2" (115mm) |

## Style 35A Plastic Tweezers

Straight with broad, flat tips and made of chemically resistant lightweight plastic, this anti-static tool will not damage sensitive electronic devices such as hard drives nor contaminate materials when used in corrosive environments.



18529

| Product ID | Description | Length |
|---|---|---|
| 18529 | Plastic Tweezers 35A Straight, Broad, Flat Tips | 4-1/2" (115mm) |

## Style 702A ESD Plastic Tweezers

Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30), these very hard, rigid, high tensile and flexural strength tweezers are ideal for the handling of components in cleaning, chemical, and assembly of components.



18531

| Product ID | Description | Length |
|---|---|---|
| 18531 | ESD Plastic Tweezers 702A Straight, Flat Tips | 4-1/2" (115mm) |

## Style 2AB Plastic Tweezers

Curved with rounded tips and made of chemically resistant lightweight plastic, this anti-static tool will not damage sensitive electronic devices such as hard drives nor contaminate materials when used in corrosive environments.



18514

| Product ID | Description | Length |
|---|---|---|
| 18514 | Plastic Tweezers 2AB Curved, Flat Tips | 4-1/2" (115mm) |

## Style 705 ESD Plastic Tweezers

Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30), these very hard, rigid, high tensile and flexural strength tweezers are ideal for the handling of components in cleaning, chemical, and assembly of components.



18532

| Product ID | Description | Length |
|---|---|---|
| 18532 | ESD Plastic Tweezers 705 Very Fine, Tapered Tips | 4-1/2" (115mm) |

## Style 707 ESD Plastic Tweezers

Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30), these very hard, rigid, high tensile and flexural strength tweezers are ideal for the handling of components in cleaning, chemical, and assembly of components.



18533

| Product ID | Description | Length |
|---|---|---|
| 18533 | ESD Plastic Tweezers 707 Fine Tips | 4-1/2" (115mm) |

## Style 707A ESD Plastic Tweezers

Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30), these very hard, rigid, high tensile and flexural strength tweezers are ideal for the handling of components in cleaning, chemical, and assembly of components.



18534

| Product ID | Description | Length |
|---|---|---|
| 18534 | ESD Plastic Tweezers 707A Curved, Fine Tips | 4-1/2" (115mm) |

## Style 709 ESD Plastic Tweezers

Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30), these very hard, rigid, high tensile and flexural strength tweezers are ideal for the handling of components in cleaning, chemical, and assembly of components.



18535

| Product ID | Description | Length |
|---|---|---|
| 18535 | ESD Plastic Tweezers 709 Broad, Flat Tips | 4-1/2" (115mm) |

## Style 710 ESD Plastic Tweezers

Manufactured from Polyetheretherketone reinforced with 30% carbon fiber (PEEK/CF30), these very hard, rigid, high tensile and flexural strength tweezers are ideal for the handling of components in cleaning, chemical, and assembly of components.



18536

| Product ID | Description | Length |
|---|---|---|
| 18536 | ESD Plastic Tweezers 710 Wide, Flat Tips | 4-1/2" (115mm) |

## Need Help Choosing a Tweezer?

Flip to page 53 or contact us at www.AvenTools.com

# Tweezers



## Accu-Tek Ceramic Tweezers



- Low thermal conductivity and high thermal shock resistance
- 100% non magnetic, non rusting and non static
- Highly resistant to all strong acids except hydrofluoric
- Solder will not adhere to surface
- Will hold tip geometry better than metal
- Swiss made stainless steel handles

18811

| Product ID | Description | Material |
|---|---|---|
| 18810 | Ceramic Tweezers Pattern 71 | Ceramic Tips/Stainless Steel Bodies |
| 18811 | Ceramic Tweezers Pattern 72 | Ceramic Tips/Stainless Steel Bodies |
| 18812 | Ceramic Tweezers Pattern 73 | Ceramic Tips/Stainless Steel Bodies |
| 18813 | Ceramic Tweezers Pattern 74 | Ceramic Tips/Stainless Steel Bodies |
| 18814 | Ceramic Tweezers Pattern 7MZ | Ceramic Tips/Stainless Steel Bodies |

## Aven Fiber Grip Tweezers



- Polished stainless steel tips firmly hold without contaminating
- Heat-resistant fiber grips protect your hands from heat while soldering
- Ideal for soldering, bending, separating and removing small items
- Cross-lock mechanism opens when pressed

18415

| Product ID | Description |
|---|---|
| 18415 | Aven Fiber Grip Tweezers - Straight |
| 18417 | Aven Fiber Grip Tweezers - Curved |

## Aven Self Locking Tweezers



- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Cross-lock mechanism opens when pressed and closes when released

18419

| Product ID | Description |
|---|---|
| 18419 | Aven Self Locking Tweezers - Narrow |
| 18421 | Aven Self Locking Tweezers - Wide |
| 18423 | Aven Self Locking Tweezers - Narrow Short |

## Aven Cross Locking Tweezers

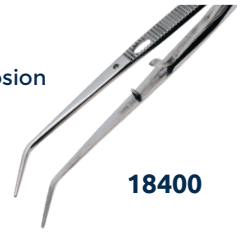


- Stainless steel finish provides excellent corrosion resistance
- Ideal for soldering and holding small parts

18428

| Product ID | Description |
|---|---|
| 18428 | Aven Cross Locking Tweezers |

## Aven College Forceps w/Lock



- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Curved tip is helpful when working in confined spaces

18400

| Product ID | Description |
|---|---|
| 18400 | Aven College Forceps w/Lock |

## Aven College Forceps w/Alignment Pin



- Stainless steel finish provides excellent corrosion resistance
- Alignment pin keeps tips aligned under high stress applications
- Inside and outside serrations provide better gripping and handling

18402

| Product ID | Description | Tip Style |
|---|---|---|
| 18401 | Aven College Forceps w/Alignment Pin | Straight, Serrated |
| 18402 | Aven College Forceps w/Alignment Pin | Curved, Serrated |
| 18403 | Aven College Forceps w/Alignment Pin | Offset Curved, Serrated |
| 18438 | Aven College Forceps w/Alignment Pin | Curved, Serrated |

## Aven Forceps w/Plastic Coated Tips



- Stainless steel finish provides excellent corrosion resistance
- Plastic coated tips provide chemical resistance
- Serrated handles provide better gripping

18430

| Product ID | Description |
|---|---|
| 18430 | Aven 8" Forceps w/Plastic Coated Tips |
| 18431 | Aven 12" Forceps w/Plastic Coated Tips |

## Aven Forceps w/Straight Serrated Tips



- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Long, straight tip is helpful when working in confined spaces
- Serrated handles provide better gripping

18436

| Product ID | Description |
|---|---|
| 18432 | Aven 12" Forceps w/Straight Serrated Tips |
| 18433 | Aven 10" Forceps w/Straight Serrated Tips |
| 18434 | Aven 8" Forceps w/Straight Serrated Tips |
| 18435 | Aven 6" Forceps w/Straight Serrated Tips |
| 18436 | Aven 5" Forceps w/Straight Serrated Tips |

# Tweezers



## Aven Utility Tweezers


18425

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Serrated handles provide better gripping

| Product ID | Description | Tip Style |
|---|---|---|
| 18425 | Aven 7" Utility Tweezers - Curved | Curved, Serrated |
| 18426 | Aven 7" Utility Tweezers - Straight | Straight, Serrated |

## Aven 4 3/8" General Purpose Tweezers


18481

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Serrated handles provide better gripping

| Product ID | Description | Tip Style |
|---|---|---|
| 18481 | Aven 4 3/8" Curved Tweezers | Curved, Serrated |
| 18482 | Aven 4 3/8" Tapered Tweezers | Tapered, Smooth |

## Aven Blunt Tip Tweezers


18481

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Serrated handles provide better gripping
- Blunt tips are useful for handling larger items

| Product ID | Description | Tip Style |
|---|---|---|
| 18486 | Aven 3 1/8" Blunt Tweezers | Blunt, Smooth |
| 18490 | Aven 5 15/16" Blunt Tweezers | Blunt, Serrated |
| 18492 | Aven 10" Blunt Tweezers | Blunt, Serrated |

## Aven 3" Sharp Tweezers


18483

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Medium-sharp, serrated tip is helpful when working in confined spaces
- Serrated handles provide better gripping

| Product ID | Description | Tip Style |
|---|---|---|
| 18483 | Aven 3" Sharp Tweezers | Medium Sharp, Serrated |

## Aven 4 3/8" Spade Tweezers


18487

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Spade tip is helpful when working in confined spaces
- Serrated handles provide better gripping

| Product ID | Description | Tip Style |
|---|---|---|
| 18487 | Aven 4 3/8" Spade Tweezers | Spade |

## Aven General Purpose Flat Tip Tweezers


18484


18485


18489

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items

| Product ID | Description | Tip Style |
|---|---|---|
| 18484 | Aven 3 1/8" Tweezers | Sharp-Flat |
| 18485 | Aven 3 1/2" Tweezers | Sharp-Flat |
| 18489 | Aven 4 3/4" Smooth Tweezers | Sharp-Flat |

## Aven Offset Spade Tweezers


18488

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Spade tip is helpful when working in confined spaces
- Serrated handles provide better gripping

| Product ID | Description | Tip Style |
|---|---|---|
| 18488 | Aven 4 1/8" Offset Spade Tweezers | Spade |
| 18491 | Aven 4 1/2" Offset Spade Tweezers | Spade |

## Aven Toothed Tissue Forceps


18494

- Stainless steel finish provides excellent corrosion resistance
- Ideal for bending, separating and removing small items
- Toothed models are ideal for handling the various thicknesses of tissues

| Product ID | Description | Tip Style |
|---|---|---|
| 18494 | Aven Toothed Tissue Forceps | Toothed |

## Quick-Test Auto-Scanning Tweezers

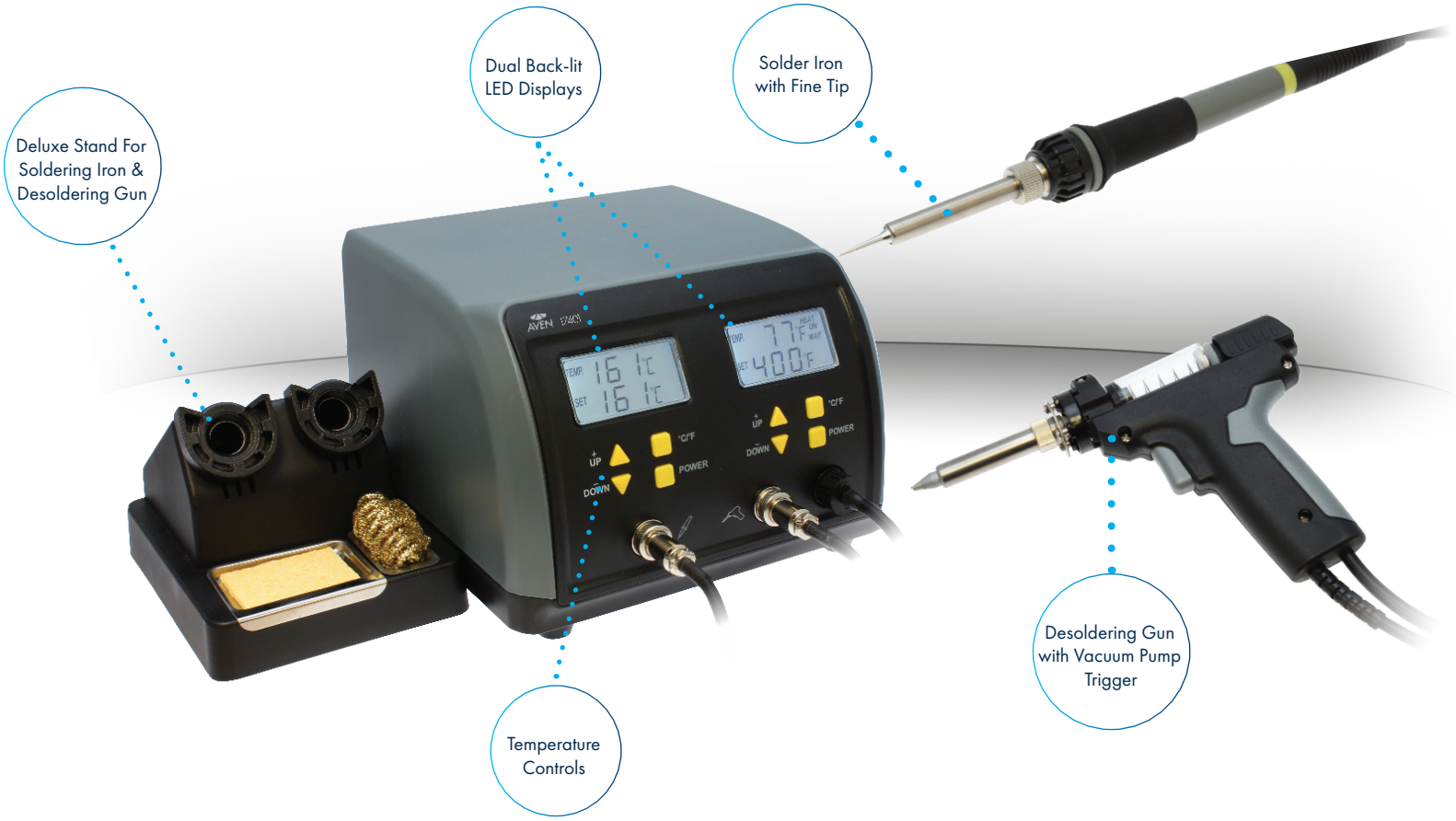

18910

- Measures AC/DC voltage, resistance, continuity & diode test
- Auto Scanning Mode/Auto range
- Testing pins gold plated to reduce resistance and prevent rust
- Uses Lithium battery CR2032, included
- Will automatically identify whether component is a resistor, capacitor or diode

| Product ID | Description |
|---|---|
| 18910 | Quick-Test Auto-Scanning Tweezers |

# 2-in-1 Soldering/Desoldering Station

**Item # 17401**




## Soldering & Desoldering in One Unit

Aven's 2-in-1 Soldering/Desoldering Station provides the flexibility of soldering and desoldering in one compact unit. Suitable for manual mounting and reworking of SMD components, audio equipment, RC hobbies and more.

Includes a vacuum-pump desoldering gun to melt and remove solder. Simply press the trigger to suck the molten solder into the barrel.

Comes complete with a deluxe stand to store the soldering iron and desoldering gun when not in use. This stand includes a cleaning sponge and a cleaning coil.

| Soldering Iron | |
|---|---|
| **Voltage** | **24V** |
| **Power Consumption** | **MAX130W** |
| **Temperature Range** | **160-480 C** |

| Central Unit | |
|---|---|
| **Power Supply** | **110-130V** |
| **Power Consumption** | **184W** |

| Desoldering Gun | |
|---|---|
| **Voltage** | **24V** |
| **Power Consumption** | **MAX 200W** |
| **Temperature Range** | **160-480 C** |
| **Pump Power** | **600mm Hg** |

### Features

- Adjustable temperature from 160° - 480° C
- Dual LCD displays ensures easy and reliable temperature control
- Long life soldering/desoldering tips
- Vacuum pump desoldering tool with excellent thermal recovery - easily removes solder from PCB
- Ceramic heater
- Heats up rapidly
- Deluxe stand to store soldering iron and desoldering gun. Includes a cleaning sponge and coil.

# Soldering & Desoldering



## Soldering Station with LCD Display, ESD Safe 400 Series



17400

- High-quality sensor and heat exchange system guarantee precise temperature control at the soldering tip
- Soldering iron tool heats rapidly from room temperature to 350C in 30 seconds
- Suitable for general purpose soldering as well as specialized lead-free soldering applications
- Sponge and coiled brass tip cleaner ensure a clean soldering tip free from debris and corrosive material
- Strong, deluxe iron holder provides safe secure place to store heated iron between uses

| Product ID | Description |
|---|---|
| 17400 | Soldering Station with LCD Display, ESD Safe 400 Series |

## Soldering Station with LCD Display, ESD Safe 405 Series



17405

- LCD temperature control display with blue backlight
- Long lasting, durable high - quality ceramic heater
- Sponge and recessed area provides a convenient method for cleaning the tip
- Suitable for general purpose soldering as well as specialized lead-free soldering applications
- Safety guard iron holder

| Product ID | Description |
|---|---|
| 17405 | Soldering Station with LCD Display, ESD Safe 405 Series |

## Soldering Kit - 6pc



17501

- 40 Watt Soldering Iron heats up to 900° F
- Ideal for use on electrical/electronic components, audio equipment, etc.
- Includes desoldering pump for removing liquid solder
- Provides basic tools needed for many soldering projects
- 6 Pc kit comes complete with replaceable fine tip

| Product ID | Description |
|---|---|
| 17501 | Soldering Kit - 6pc |

## B-Series Soldering Iron Tips



- Long life, lead-free soldering iron tips
- Includes two tips
- For use with 17510 Soldering Iron 80W

| Product ID | Description |
|---|---|
| 17510-B5-1 | B-Series Soldering Iron Tips (B5-1) |

## Soldering Kit - 7pc



17502

- 40 Watt Soldering Iron heats up to 900° F
- Ideal for use on electrical/electronic components, audio equipment, etc.
- Includes desoldering pump for removing liquid solder
- Provides basic tools needed for many soldering projects
- 6 Pc kit comes complete with replaceable fine tip

| Product ID | Description |
|---|---|
| 17502 | Soldering Kit - 7pc |

## Soldering Iron 80W with Fine Tip



17510

- Ideal for general purpose soldering applications including metal board, tube or large components
- Round, soft grip, non-slip handle
- Durable cord with a 5-foot reach
- Fitted with long life replaceable fine tip

| Product ID | Description |
|---|---|
| 17521 | Soldering Iron 40W with Fine Tip |

## Soldering Iron 40W with Fine Tip



17521

- Ideal for general purpose soldering
- Round, soft grip, non-slip handle
- Durable cord with a 5-foot reach
- Fitted with long life replaceable fine tip

| Product ID | Description |
|---|---|
| 17521 | Soldering Iron 40W with Fine Tip |

## N-Series Soldering Iron Tips



- Long life, lead-free soldering iron tips
- Replacement tips for soldering the different components of PCBs
- Five different sizes
- Includes two tips
- For use with 17400 & 17405 ESD Safe Soldering Stations with LCD Display

| Product ID | Description |
|---|---|
| 17400-N9-1 | N-Series Soldering Iron Tips (N9-1) |
| 17400-N9-2 | N-Series Soldering Iron Tips (N9-2) |
| 17400-N9-3 | N-Series Soldering Iron Tips (N9-3) |
| 17400-N9-4 | N-Series Soldering Iron Tips (N9-4) |
| 17400-N9-5 | N-Series Soldering Iron Tips (N9-5) |

# Soldering & Desoldering



## Dual Function Smoke Absorber & Bench Fan ESD Safe



17015

- Functions as a solder smoke absorber and a standard fan
- Compact & space-saving
- 10 speed settings
- Adjustable metal stand
- ESD safe
- Includes carbon filter for absorbing solder smoke

| Product ID | Description |
|---|---|
| 17015 | Dual Function Bench Fan & Smoke Absorber |

## Lead Free Solder Pot 200W



17100-200

- Heating element liquifies solder quickly and provides excellent thermal stability
- Crucible is made from stainless steel with titanium plating, featuring corrosion resistance and prolonged service life
- Suitable for melting solder, plastic, resin and more
- Ideal for tinning ends of stranded wire leads, pre-tinning small electrical parts and dip soldering small circuit boards

| Product ID | Description | Solder Pot Capacity |
|---|---|---|
| 17100-200 | Lead Free Solder Pot 200W | 800g |
| 17100-150 | Lead Free Solder Pot 150W | 500g |
| 17100-100 | Lead Free Solder Pot 100W | 250g |

## Lead Free Solder Pot 300W

17100-300



- Heating element liquefies solder quickly and provides excellent thermal stability
- Crucible is made from stainless steel with titanium plating, featuring corrosion resistance and prolonged service life
- Suitable for melting solder, plastic, resin and more
- Ideal for tinning ends of stranded wire leads, pre-tinning small electrical parts and dip soldering small circuit boards

| Product ID | Description | Solder Pot Capacity |
|---|---|---|
| 17100-200 | Lead Free Solder Pot 300W | 1300g |

## Desoldering Pump - High Impact Plastic 13"



17535

- Durable corrosion resistant plastic construction with precision metal plunger
- Cushioned shock reduction minimizes board damage
- Teflon (PTFE) non-stick coated tip
- Easy to clean one-touch cylinder

| Product ID | Description |
|---|---|
| 17535 | Desoldering Pump - High Impact Plastic 13" |

## Desoldering Pump - ESD Safe Plastic 8.5"



17536

- Durable corrosion resistant plastic construction
- Easy to clean one-touch cylinder
- Cushioned shock reduction minimizes board damage

| Product ID | Description |
|---|---|
| 17536 | Desoldering Pump - ESD Safe Plastic 8.5" |

## Desoldering Pump - Metal Body 7.5"



17537

- Durable corrosion resistant aluminum construction with precision metal plunger
- Cushioned shock reduction minimizes board damage
- Push Button for Easy Plunger Release
- Easy to clean one-touch cylinder

| Product ID | Description |
|---|---|
| 17537 | Desoldering Pump - Metal Body 7.5" |

## Desoldering Wick 2.5mm with Dispenser Wheel and 4 Replacement Spools



17545

- 2.5mm desoldering wick with thumb wheel dispenser.
- 4 replacement desoldering wick spools.
- Desoldering wick quickly absorbs excess solder.
- The dispenser keeps the thread sealed, prolonging the life of the desoldering wick.
- Built-in thumb wheel is designed to provide easy flow control of the wick

| Product ID | Description |
|---|---|
| 17545 | Desoldering Wick 2.5mm with Dispenser Wheel and 4 Replacement Spools |

## Solder Core Wire



17555

17551

- Good solderability, no spattering and non-corrosive
- Leaded solder 60/40 | Lead-free solder 99.3/0.7
- 360-440° F melting point
- 1-1.2mm diameter solder available
- Ideal for use on PCB, electronic devices and fine electrical soldering

| Product ID | Description |
|---|---|
| 17553 | Solder 100g 1.2mm 60/40 |
| 17555 | Solder 100g 1.0mm 60/40 |
| 17553LF | Solder 100g 1.2mm Lead Free |
| 17555LF | Solder 100g 1.0mm Lead Free |
| 17551 | Solder in Tube 1.0mm 60/40 |
| 17552 | Solder in Tube 1.2mm 60/40 |
| 17551LF | Solder in Tube 1.0mm Lead Free |
| 17552LF | Solder in Tube 1.2mm Lead Free |

# Soldering & Desoldering



## Desoldering Wick

- Made of clean, oxide-free copper wire
- Tight weave enables quick "on and off" desoldering
- Concentrated fine copper braiding utilizes less length of wick for each desoldering application
- RoHS compliant




17542

| Product ID | Description |
|---|---|
| 17540 | Desoldering Wick 1.5mm (0.06") |
| 17541 | Desoldering Wick 2mm (0.08") |
| 17542 | Desoldering Wick 2.5mm (0.1") |
| 17545 | Desoldering Wick 2.5mm with dispenser case and 4 1.5M replacement cores |

## Benchtop Smoke Absorber

- Removes flux fumes from soldering work bench
- Fumes absorbed by carbon activated filter
- Fan is quiet and will not add significant noise to your workspace
- Stand allows the smoke absorber to be adjusted to varying angles



17701

| Product ID | Description |
|---|---|
| 17701 | Benchtop Smoke Absorber |
| 17701F | Carbon Activated Filter 3pcs with PVC Bag |

## Aven Heat Guns

- Heats Up Quickly
- 3 Nozzle Attachments For a Variety of Applications
- Durable Construction
- Compact, Ergonomic Design
- Adjustable Heat Control

17602



17601

| Product ID | Description |
|---|---|
| 17601 | Heat Gun 1500W with Adjustable Temperature Control |
| 17602 | Heat Gun 1500W with Digital Temperature Control |

## Solder Reel Stand

- Allows solder wire to be drawn out smoothly
- Compact design keeps work benches neat and orderly
- Holds up to 1kg (approximately 2lbs.) roll of solder wire
- Solder reel stand is the ideal solution for easy soldering wire supply



17560

| Product ID | Description |
|---|---|
| 17560 | Solder Reel Stand |

## Soldering Iron Stands

- Ideal for holding pencil type soldering irons
- Weighted metal base features built in sponge tray
- Designed to withstand everyday industrial use
- Two per pack



17533

| Product ID | Description |
|---|---|
| 17533 | Solder Iron Stands |

## Soldering Iron Stand with Soft Coiled Brass Tip Cleaner

- Replaceable soft coiled brass tip cleaner
- Cleans tip without messy wet sponges
- Uses low abrasive brass, no water needed
- Works with any tip
- Lengthens tip life by reducing oxidation
- Sturdy heavy duty stand with built-in tip cleaner

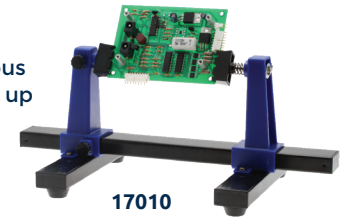


17530

| Product ID | Description |
|---|---|
| 17530 | Soldering Iron Stand with Soft Coiled Brass Tip Cleaner |
| 17530-TC | Soft Coiled Brass Tip Cleaner |

## Adjustable Circuit Board Holder

- Retractable to accommodate various board sizes up to 198mm wide and up to 4mm thick
- Clamps allow PCB to rotate 360°
- Rigid metal structure
- Rubber feet of the base ensure stability
- Ideal for clamping PCB, for soldering/desoldering or rework



17010

| Product ID | Description |
|---|---|
| 17010 | Adjustable Circuit Board Holder |

## Helping Hands Magnifier with Clamps

- Useful auxiliary tool in soldering, model making and other hobbies
- Heavy-duty cast iron base provides stability
- Magnifier can be swiveled and fixed to desired position or angle
- Two alligator spring clips that hold work firmly in any position
- 2x magnifier is removable



26000

| Product ID | Description |
|---|---|
| 26000 | Helping Hands Magnifier with Clamps |

# Soldering & Desoldering



## Soft Coiled Brass Tip Cleaner

- Helps reduce contaminants
- Keeps tip temperature constant
- Ideal for lead free solder



17530-TC

| Product ID | Description |
|---|---|
| 17530-TC | Soft Coiled Brass Tip Cleaner |

## Hot Glue Gun 25W with Plastic Case

- Narrow nozzle for precise glue application
- Ergonomic hand grip
- Easy reach trigger



17620

| Product ID | Description |
|---|---|
| 17620 | Hot Glue Gun 60W wih Plastic Case |

## Long Trigger Hot Glue Gun

- Easy reach long trigger provides smooth glue control
- Narrow nozzle for precise glue application
- Heats up quickly



17610

| Product ID | Description |
|---|---|
| 17610 | Long Trigger Hot Glue Gun |

## Hot Glue Gun 60W with Plastic Case

- Narrow nozzle for precise glue application
- Temperature dial (180°-240° C)
- Ergonomic hand grip



17621

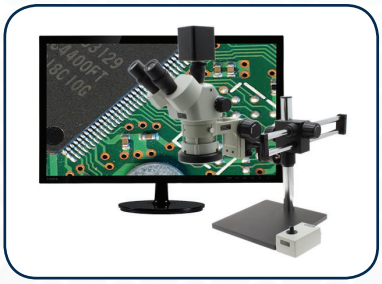
| Product ID | Description |
|---|---|
| 17621 | Hot Glue Gun 60W wih Plastic Case |

# *Let Us Piece Together Your Custom Solution*



**With over 3,000 system combinations, we have you covered.**







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