



**High Performance
Precision Tools
FOR MICROSCOPY
INSPECTION & ASSEMBLY**
In Industrial, Scientific
& Research Applications

Product **Line**

Visit Our Website
**FULL INTERACTIVE
PRODUCT CATALOG**

aveninc.com



MIGHTY SCOPE CONFIGURATIONS

Digital 1.3M & 5M

1.3M & 5M w/Polarizer

500x

UV

Near Infrared

Wi-Fi Connect

ZIPSCOPE CONFIGURATIONS

2M & 9M

Digital Microscopes

Digital image capture, storage and manipulation is ushering in a new age in microscopy. Digital microscopes provide you a broader range of functionality, flexibility and portability, expanding your capabilities beyond the traditional optical laboratory microscope.

The handheld digital microscopes adds flexibility for the quality control of products. The compact lightweight design allows quick access to different inspection point on a product. Aven features an assortment of different models to suit a variety of needs.



MICROSCOPES FEATURES

Large selection of bodies and accessories

Create your own system on our website

Online Web-Ex demos and technical assistance

Microscopes

Our Stereo Microscopes and Stereo Zoom Microscopes are manufactured exclusively for Aven by Carton Optical of Japan. Over the past 40 years, Carton Optical has built a reputation for providing the very best in optical performance and durability. Aven Stereo Zoom Microscopes are clearly the superior choice.



VIDEO INSPECTION FEATURES

Macro Systems

Micro Systems

Create your own system on our website

Video Inspection

Aven offers a variety of Video Inspection Systems ideal for inspection of a wide range of objects such as integrated circuits, solder joints, surface analysis, quality control, laboratory inspection, defect analysis, semiconductor inspection, metrology, biomedical imaging, or assembly applications where an easy to view, sharp and true-to-life magnified image is required. A wide range of adapters & auxiliary lenses, cameras, lighting options, video capture cards, and stands are available to provide a custom solution.



DIGITAL CAMERAS FEATURES

USB with Image Capture
and Measurement Software

VGA, VGA with SD Card,
VGA with SD Card and
Measurement Software

USB with built in screen
and SD Card



Digital Cameras

for Microscopy & Video Inspection

Our digital cameras are available with CCD (charge coupled device) or CMOS (Complementary Metal Oxide Semiconductor) sensors in various resolutions. We recommend these cameras for applications where you need to capture images for further analysis or record keeping. Digital Cameras provide higher resolutions than analog cameras. Available in various configurations to meet your specific applications.

ILLUMINATION FEATURES

Fluorescent

LED

Fiber Optic



Illumination

for Microscopy & Video Inspection

Avon carries a variety of lighting options. Fluorescent ring lights are designed for applications requiring a high quality illuminator. White LED ring lights are designed to be used with standard microscopes and video lenses, they provide 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.



SHOP MICROSCOPES AND MAGNIFIERS FEATURES

Pocket microscopes
with LED Light

Eye Loupes with LED light

Loupes with scales for
measurement and inspection

Headband Magnifiers

Shop Microscopes & Magnifiers

We offer a variety of shop microscopes and magnifiers for surface inspection and quality control.

TASK LIGHTS FEATURES

Fluorescent Lighting

LED Lighting

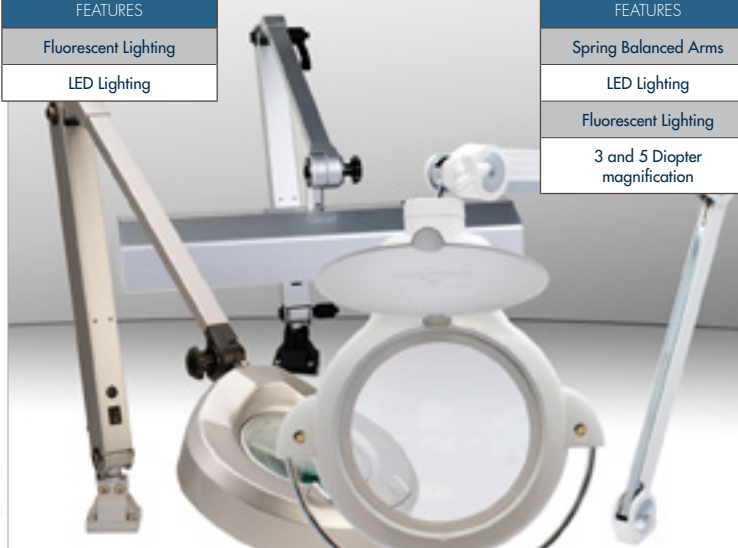
MAGNIFYING LAMPS FEATURES

Spring Balanced Arms

LED Lighting

Fluorescent Lighting

3 and 5 Diopter
magnification



Magnifying Lamps & Task Lights

Quality magnifying lamps and Task Lights designed for demanding professionals. Models available with fluorescent and LED lighting. Magnifying Lamps come in 3 and 5 diopter versions.



New Products



Mighty Scope Connect
Part # 26700-201

Mighty Scope 5M
Part # 26700-209



**Mighty Scope
Dual View Stand**
Part # 26700-220

Slim Scope
Part # 26700-220



Zip Scope 9M
Part # 26700-302

**ProVue Touch &
ProVue Dual Touch**
Part # 26508-LED &
26508-LDV



MightyVue LED - ESD Safe
Part # 26505-ESL

MightyVue LED
Part # 26505-LED





from Aven

**Macro Zoom Video
Inspection System
with Standard Stand**
Part # 26700-104-00



1080P HD Color Camera
Part # 26100-253HD



VGA Color Digital Camera
Part # 26100-252



ProLux LED Fiber Optic Illuminator
Part # 26200A-300



**Light Weight Articulating
Arm Stand**
26800B-555



Model 21AC Fiber Optic Illuminator
Part # 26200A-201



Mini Precision Tweezers
Part # 18037-MS to 18062-MS



Lens and Screen Care
Part # 26400-CS-10 to 26400-CS-40



PLIERS & CUTTERS FEATURES

Different Cutting Edges

Hard Wire Cutter

Specialty Pliers



Precision Pliers & Cutters

We offer a large selection of precision pliers and cutters to fit your budget and specific requirements. Cutters available in carbon and stainless steel with razor flush, flush and semi-flush cutting edges. Hard wire cutters available for cutting fine stainless steel, nitinol and nickel wires. Pliers with handcrafted jaws for precision assembly and forming. Specialty pliers: Parallel Action, Stainless Steel Vice Grips, Neiji Saurus for removing rusty screws.

TWEEZERS FEATURES

Precision for microelectronics and micro assembly

Regular and with cushion comfort grips

Ceramic | Teflon Coated Plastic | Regular | ESD safe
Brass, anti-sparking
Titanium | E-Z Pick Colored

General Purpose



Tweezers

Aven offers you one of the largest selection of tweezers in the industry. In this section you will find tweezers you need to meet your specific application. Tweezers are offered in a variety of materials, configurations and quality grades.

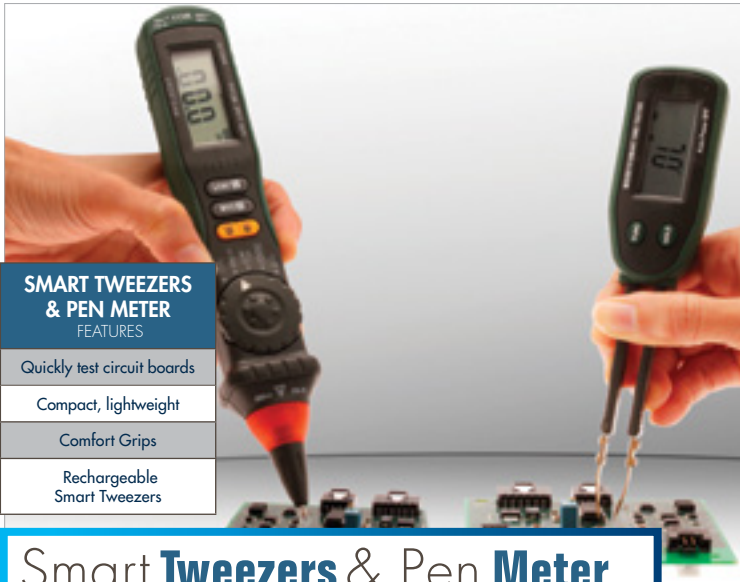
SMART TWEEZERS & PEN METER FEATURES

Quickly test circuit boards

Compact, lightweight

Comfort Grips

Rechargeable
Smart Tweezers



Smart Tweezers & Pen Meter

Surface mount devices are usually tiny and without wire leads, making it much more difficult to test and identify SMD than conventional components. Smart tweezers and Pen meter gives users an easy way to sort and evaluate loose components and to perform on-board measurements and debugging.

PRECISION SCREWDRIVERS FEATURES

Available in sets and individual sizes

Also available with ceramic blades

Duplex component handle designed for rapid rotation and greater comfort

Fast turning swivel caps



Precision Screwdrivers

Precision Screwdrivers are designed for working with electronics, precision components and small parts assembly.



PRECISION KNIVES & BLADES

FEATURES

Stainless Steel and
Carbon Blades

Variety of knife handles

Available in sets



Precision **Knives & Blades**

Designed for precise cutting. Aven also carries a variety of blades in stainless steel and carbon and knife handles to choose from. Sets are also available.

HEMOSTATS & PROBES

FEATURES

Stainless Steel

Variety of sizes

SCISSORS

FEATURES

Ceramic | Stainless Steel

Specialty Versions



Scissors, **Hemostats** & Probes

Scissors are available in ceramic and stainless steel with special scissors available for cutting nylon kevlar fiber, leather, coaxial cable and other difficult to cut materials. Aven also offers a line of stainless steel probes for soldering and desoldering, and hemostats in stainless steel in a variety of sizes.

Stainless Steel Tools

FEATURES

Pliers | Wrenches
Hex Keys | Screwdrivers
Screwdriver Bits

High Quality Stainless Steel

High Hardness



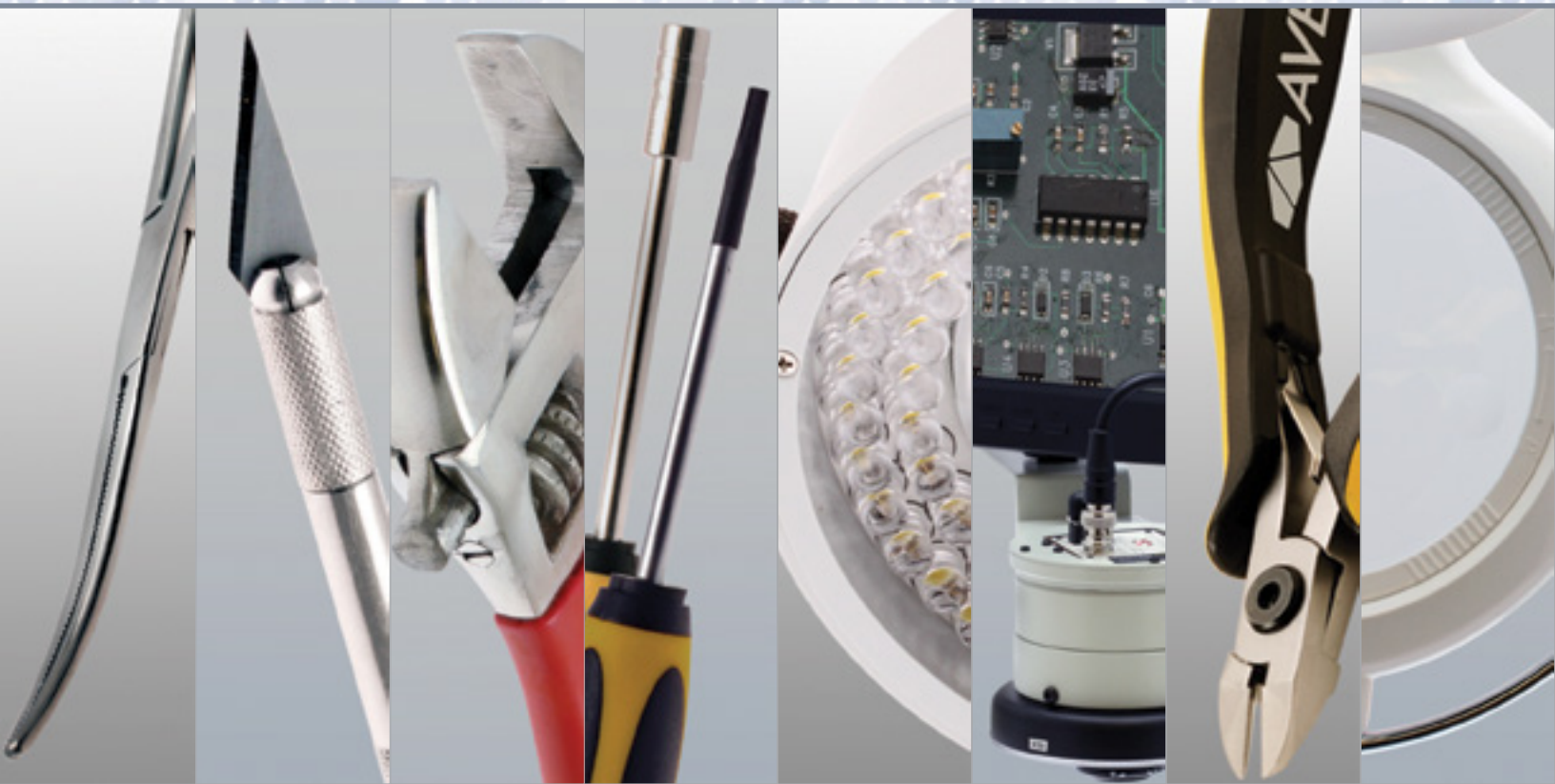
Stainless Steel **Tools**

Ideal for critical applications in Pharmaceutical Processing, Biotech, Medical Device Manufacturing, Clean Rooms, Food Processing, Aerospace and Chemical Industries, Offshore and environmental engineering, and etc.



Bench Top **Accessories**

Aven offers a variety of bench top accessories from; Smoke Absorbers Static Eliminator, ESD Safe Brushes, Solder Pots, Desoldering Pumps and Desoldering Wick.



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