

PRISMA Microscope

Item No: T0051406599

See what matters.
Achieve unparalleled precision in every detail!
As quality standards in electronics manufacturing continue to rise, thorough inspection is no longer optional - it is essential. The Weller PRISMA Microscope ESD elevates nano-soldering, rework, and electronics inspection by delivering full 3D visualization of every component. Every joint, every trace, and every detail is clearly revealed, enabling you to work with confidence and exacting accuracy. With its ESD-safe construction, the PRISMA Microscope protects sensitive components throughout every inspection. Built for professionals, it supports your posture and reduces strain through long, intricate sessions - from the tiniest components to the most complex PCB assemblies. Superior inspection capability is critical to reducing defects, minimizing rework, and maintaining compliance, and the PRISMA Microscope empowers teams to uphold the highest quality benchmarks.

KEY FEATURES

- Crystal-Clear 3D Stereo Viewing:
  Experience a natural 3D perspective that allows you to see the height, position, and shape of components with unmatched clarity. The eyepiece-less design reduces eye strain and supports sustained focus, making nano-soldering, rework and precise inspections easier and more accurate.
- Bright 7000K LED Illumination:
  Sharp, natural light ensures accurate work on tiny components.
- ESD-Safe Protection:
  Protect sensitive electronics from electrostatic damage during every task
- Ergonomic, Comfortable Design:
  The Weller PRISMA's universal arm and adjustable viewing position allow for long, effortless sessions. Work comfortably with or without eyewear, maintaining focus and efficiency over extended periods in a natural posture.
- Wide Field of View:
  Inspect efficiently with a large viewing area for complex PCBs.
- Modular & Interchangeable Lens:
  Easily adapt lenses for any nano-soldering project.
- Trusted Weller Ecosystem:
  The PRISMA Microscope works perfectly alongside Weller soldering stations, irons, and accessories, giving professionals a fully coordinated, high-performance workspace for precision nano-soldering.

TECHNICAL DATA

Dimensions L x W x H	605 x 240 x 454 mm 23.82 × 9.45 × 17.87 In
ESD Safe	Yes
Power	14.4W
Power Consumption	5W
RoHS Compliant	Yes
UPC	037103447029
Weight (Catalog)	5761 g, 12.701 lb
Brightness (Lux)	9400
Bulb Type	LED
Color Temperature (K)	7000k
Field of View	27.5mm
Magnification	4x
Number of Bulbs	20
Working Distance	96 mm, 3.780 In
Product Family	Microscopes