PICOZOOM

AUTOFOCUS INSPECTION MADE SIMPLE

PicoZoom is an autofocus digital inspection microscope that brings focus, lighting and reporting together for clearer inspection images and more consistent records. Designed for electronics, component inspection and quality control environments.

PICOZOOM ADVANTAGES:

1

Autofocus

One-click autofocus reduces time spent adjusting focus between parts, surfaces and magnification levels.

2

Motorized zoom

Inspect a wide range of feature sizes without changing lenses or physically adjusting the optical zoom.

3

Measurement and reporting

Built-in measurement, annotation and custom report output help capture results and create clear QC documentation.

4

Ease of use

Simple controls, a compact bench footprint and mouse-based operation make PicoZoom straightforward to set up, learn and use.

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PICOZOOM

TECHNICAL INFORMATION

Extended depth of field

When a part has depth, a single image may only show one area in sharp focus. Focus stacking combines images captured at different focal planes, producing a clearer view across more of the part.

Consistent inspection setup

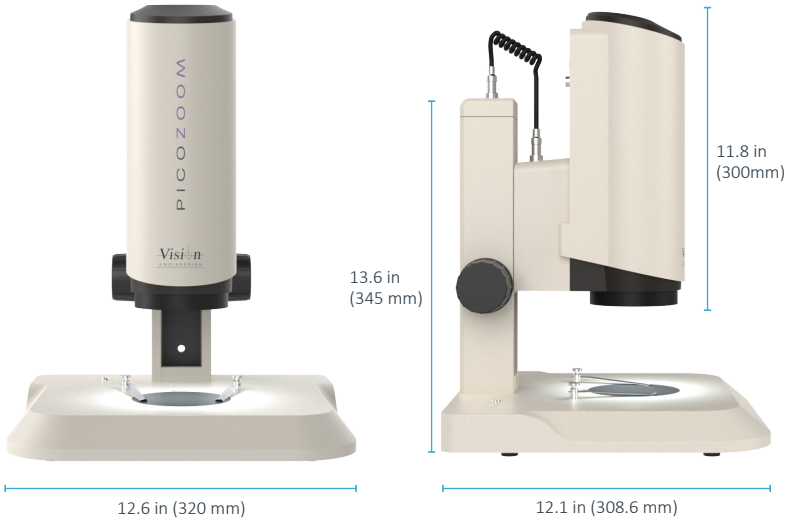
Motorized zoom, autofocus and adjustable lighting reduce manual adjustment between parts, surfaces and magnification levels, making routine inspection quicker and more consistent.

Reflective or low-contrast surfaces

Glare, shadow and low contrast can make edges, marks and defects harder to see. Quadrant controlled lighting adjusts light direction and brightness, making surface detail easier to inspect.

Inspection records

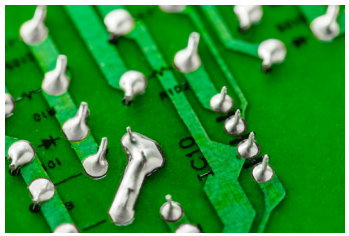
Separate inspection notes, screenshots and measurements can lead to inconsistent records. PicoZoom compiles images, annotations, measurements and results into custom reports for clearer QC documentation.



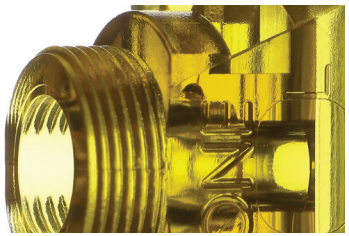
Item	Specification
Magnification*	20× to 140x
Optical zoom*	7× : 1×
Digital zoom*	6x
Autofocus	Yes
Motorized zoom	Yes
Camera sensor	CMOS, 1/2 inch
Resolution	2 MP, 1080p
Frame rate	60 fps
Working distance	4in (100 mm)
Measurement function	Built-in measurement and reports
Lighting system	Quadrant controlled lighting
Output interfaces	HDMI, USB 3.0, LAN
Software features	Focus stacking and reporting
Memory / storage	USB / PC storage

*Based on a 24" monitor

TYPICAL APPLICATIONS:

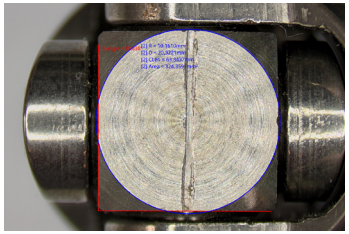


PCB and solder joint inspection



Medical device inspection

Incoming goods inspection



Defect analysis

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