

Brunel Inspection Microzoom



The Brunel Inspection Microzoom has been specifically developed as a low power screening and inspection zoom microscope that can be connected directly to a monitor or computer screen. This is a low cost instrument that is ideal for electronics and similar applications that require the low power scanning of large areas or the reworking and manipulation of components.

- The zoom lens has a ratio of 1: 6.5 which with a typical CCTV system using a 14" monitor gives a magnification range of x15 to x100.
- The zoom lens has a particularly long working distance of approximately 120mm with a field of view of 20mm at its lowest magnification and 2.5mm at its highest.
- The Microzoom will also be supplied with a x10 widefield eyepiece for conventional image viewing.
- The Microzoom can be supplied with a range of support stands with or without illumination, or can be supplied for customised incorporation in work stations.

Brunel Inspection Microzoom without stand

BIM

Microzoom with dual incident and transmitted light stand

BIMDL

Microzoom with large area plain stand with ring light

BIMP

Microzoom with heavy duty long arm base without illumination

BIML

MZ Zoom Inspection Series

The MZ series of zoom inspection instruments is a modular approach allowing considerable flexibility in the magnification range, support stand and CCTV coupler options. Finished to a very high standard the MZ units comprise zoom body, objective lens, iris diaphragm and CCTV coupler elements.

- The design of the MZ units is based on a parallel optical system and the particularly flat field of view is ideally suited to precision measurement, and the body iris provides additional clarity and depth of focus options. A focusing micrometer element can be introduced into the top of the unit, that can also be fitted with a trinocular microscopy head for conventional viewing.
- The zoom body unit has a zoom ratio of x0.68 to x4.5, and the objective lenses are fully coated semi plans.
- Each unit is supplied with the zoom body, x1 objective lens, body iris and the x0.75 CCTV coupler. A range of alternative objective lenses and CCTV couplers allows a wide potential range of magnifications and field of views.
- The MZ is available as a unit without a stand for local adaptation or with a large pole stand or long arm base.
- The LED ring light with separate rheostat control is particularly effective for vertical illumination requirements.
- Dimensions: 460 x 320 x 300mm Weight 4.5Kgms



Objective	Working distance	Field of View (x0.75 coupler)
x0.5	198mm	23.5 - 4mm
x1	96mm	12 - 1.8mm
x1.5	63mm	7.8 - 1.2mm
x2	46mm	6 - 0.9mm

x0.5 objective lens	MZ101	x0.5 CCTV coupler	MZ106
x1.5 objective lens	MZ102	x1 CCTV coupler	MZ107
x2 objective lens	MZ103	x1.5 CCTV coupler	MZ108
Cross hair micrometer insert	MZ104	x2 CCTV coupler	MZ109
LED illuminator	MZ105	Viewing head	MZ110

