

BGA-100 Series

For fast easy BGA soldering inspection
Access beside the BGA package gap to 1 mm !

BGA-100

with Back Light System (BL-system-01)



BGA-100 is designed with special lens technology with magnification of times 130. Optional 1mm thick prism combined with white LED through the lens illumination allows easy image capture even when components are positioned closely together. The back light option makes checking for BGA faults and viewing underneath components very simple & easy. BGA-100 is also very good for viewing QFP and any other smt or conventional components.

BGA-200

with Back Light System



The BGA-200 is the same size but uses a fixed magnification of times 70 which remains constant throughout the focus range. The combination of fixed magnification and greater focal length allows the BGA-200 to provide a longer viewing distance underneath BGA components - more balls can be inspected in detail. When used with the powerful fibre optic back light even more underside detail is revealed. Identification of BGA faults becomes easy and fast - misalignment, solder bridging, solder balls, no reflow, etc etc....the majority of conditions can easily be seen by using the BGA-200 and fibre optic back light combination.

All back lights and BGA-100 series microscopes can be fitted with 1mm prisms for minimum space applications. All BGA-100 series tools are supplied complete (Except monitor) with all necessary cables, power supply adapter, 2mm prism, straight lens, cleaning cloth and manual.

Options include : Back light - fibre optic or LED, 1mm prism, support stand and XY table.

BGA-300

(With variable magnification x70 to 140)
with Back Light System



The BGA-300 has all the features of the BGA-200 plus a continuously variable magnification from 70 - 140 times. This makes the BGA-300 a powerful inspection tool for BGA components offering a quick analysis of fault conditions or confirmation of suspected faults seen by xray equipment. The variable magnification allows optimum image quality to be obtained easily.

The composite video signal from all microscope versions can be linked to a frame grabber for creating a picture library



Specification

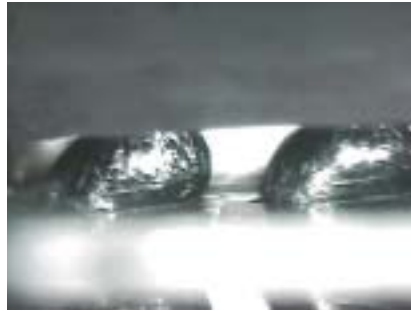
Model #	Magnification	Resolution	Video Format	Stand Off Height	Depth of View	Focus depth	illumination
BGA-300	x140	H:330lines	NTSC / PAL	0.15mm	1x2mm	2.5mm	LED
	x70	V;350lines		0.3mm	2x4mm	5mm	LED
BGA-200	x70	same	NTSC / PAL	0.3mm	2x4mm	12mm	LED
BGA-100	x130	same	NTSC / PAL	0.2	1x2mm	2.5mm	LED
BGA-400SH	x300	same	NTSC / PAL	0.05mm	0.4x0.9mm	2.5mm	Halogen

APPROVAL CE

Sample picture



Bridge



Fail



Floating



J LEG COMPONENT



BGA-100



BGA-100



BGA-200 for QFP



PBfree Ball



BGA-400SH height 50micron



INCORRECT SOLDERING



Under connector



FULLY FLOWS

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