

AOI & AVI Tiger



MD G 800

24.0" x 31.5" / 600 mm x 800 mm

2 Cameras

- **Multifunctional optical inspection system** – for AOI & AVI
- **Single side scan** – 2 CCD top
- **Wide material range** – All materials(e.g. Flex, rigid flex, ceramic)
- **High Resolution Pixels** – 25 µm
- **Vacuum table** for easy loading
- **Scan range** – 30mm to 800mm
- **Easy Operation & Training** - User friendly interface
- **High Uptime** – **Short set up**, simple and easy to use offline data preparation
- **Fully automatic on the fly alignment**

PLEASE CONTACT US FOR MORE INFORMATION:

Group
Info.group@gardien.com
+65 6225 2238

China
Info.cn@gardien.com
+86 512 5770 7951

Germany
Info.ge@gardien.com
+49 6431 929730

Japan
info.jp@gardien.com
+81 3 3904 6230

Taiwan
Info.tw@gardien.com
+886 3355 1668

USA
Info.us@gardien.com
+1 (503) 430 8980

Canada
info.ca@gardien.com
+1 (416) 292 0726

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TECHNICAL INFORMATION

Number of CCD	2 top side horizontal	
Type of CCD	Colour (RGB)	
System Resolution	25 µm – 35 µm selectable	
Data source	Gerber only	
Max scan area (x/y)	24" x 31.5"	600mm x 800mm
Min scan size (x/y)	1.18" x 3.93"	30mm x 100mm
Detection mode	Image Contrast comparison & logic computing	
Detectable Defects	AVI Error: SM on Pad, Exposed Copper, Dish downs, Trace Nicks, Broken SM Bridges, Missing SM, Legend Defects, Foreign Material, Inclusions, Gold Defects, Discoloration, Contamination, etc. AOI Error: Open, Short, nick, Protrusion, Pinhole, Island etc.	
Surface Finish	AVI: HASL, Immersion Tin, Immersion Silver & Gold, Bare Copper, OSP, etc. AOI: After Etch board, Dry Film board, Film	
Defect Confirmation	Online on machine or Offline on VRS	

DIMENSIONS

Width	50.4"	1,280 mm
Depth	76.4"	1940mm
Height	70.9"	1,800mm
Weight	2,205 lbs	1000kg

ENVIRONMENTAL CONDITIONS

Power Supply	230V, 50/65Hz, 1000W 3 phase	
Air pressure	6 bar dry and oil free	
Air humidity	45 - 65% - not condensing	
Room Temp.	61° - 79 °F	16 - 26 °C

OPTIONS & UPGRADES

- Offline Verification Software

SOFTWARE

User Software	Windows 10, English Version
User Interface	GUI with multi-language support (Chinese, English, Japanese)
Data Input formats	Gerber (Standard Gerber & Extended Gerber)