

# AVI Smart



**MS G 500**

17.7" x 19.6"/450mm x 500mm

1 Camera

- **Single side scan** – 1 CCD top
- **Wide material range** – All materials(e.g. Flex, rigid flex, ceramic)
- **High Resolution Pixels** – 5-10 µm
- **Scan range** – 30mm to 500mm
- **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**
- **Vacuum table** for easy loading

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## TECHNICAL INFORMATION

Number of CCD	1 top side horizontal	
Type of CCD	Colour (RGB)	
System Resolution	5 µm – 10 µm selectable	
Data source	Gerber only	
<b>MS G 500 Max scan area(x/y)</b>	17.7" x 19.6"	450mm x 500mm
Min scan size (x/y)	1.18" x 1.18"	30mm x 30mm
Detection mode	Image Contrast comparison & logic computing	
Detectable Defects	SM on Pad, Exposed Copper, Dishdowns, Trace Nicks, Broken SM Bridges, Missing SM, Legend Defects, Foreign Material Inclusions, Gold Defects, Discoloration, Contamination, etc.	
Surface Finish	HASL, Immersion Silver & Gold, Bare Copper, OSP, etc.	
Defect Confirmation	Online on Scanner	

## DIMENSIONS

Width	36.2"	920mm
Depth	64.2"	1,633mm
Height	62.4"	1,586mm
Weight	1764 lbs	800kg

## 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

## FEATURES

- 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)