

# AVI Smart MS G 500



- Premium single sided table AVI system
- High speed camera system horizontal
- 1 color CCD top side
- **450mm x 500mm / 17.7" x 19.6"**
- Fully automatic camera alignment
- Automatic PCB transport horizontal
- User friendly, high-speed software
- Plug and Play data preparation
- Quick and Easy setup
- **Vacuum table**
- Single side scan only
- No limit on Material (rigid, semi rigid, flex)

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## MECHANICS

Number of CCD	1 top side horizontal	
Type of CCD	Colour (RGB)	
CCD Pixel size	10 µm – 35 µm selectable	
Data source	Gerber only	
Max scan area (x/y)	17.7" x 19.6"	450mm x 500mm
Min scan size (x/y)	1.18" x 1.18"	30mm x 30mm
Scan Speed	6,3" per second, <b>single side</b>	160 mm per second, <b>single side</b>
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 sorting	Good / Bad Stacker	
Defect Confirmation	Online on Scanner or Offline on VRS	

## DIMENSIONS & ENVIRONMENTAL CONDITIONS

Width	25.9"	660 mm
Depth	55.1"	1400mm
Height	35,4"	900mm
Weight	440 lbs	200kg
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

### Hardware

- Cleaning
- Dust Cleaner

### Software

- Offline Data Preparation Station
- Verification Software

## SOFTWARE

User Software	Windows 7, English Version
Data Input formats	Gerber