

# Martin<sup>®</sup>

## MAG-6000

### LASER MARKING CELL



The Laser Marking Cell MAG Series is specially designed to accurately mark PCB within a production line or as a stand alone system. The PCB is locked in its marking position while the CO<sub>2</sub> / UV / Fiber laser is moved using servo controlled X-Y axis.

## Feature

- Dual camera design can achieve positioning point capture and bar code scanning monitoring.
- Double sided marking is achievable with an optional integrated inverting unit.
- The humanized design of the software simplifies the operation and reduces the training time of personnel to the largest extent.
- Accessing order mode to realize automatic marking. The marking process is combined with the production model and quantity in line with the PMC plan.
- Reading PCB or Fixture QR code to load the program.
- Powerful software expansion function, through the MES system docking, improves the enterprise production management system.
- Unique Laser Regulation and Stabilization Technology (ADIS) .Laser power real-time feedback and compensation. Patented laser drive card and marking software.

## Technical Specifications

ITEMS	MAG-6000 Series
Working mode	On-line
Software version	Basic / Professional / Customized
Marking types	Text, barcodes, 2D codes and graphics
Engraving Surface	PCB, metal, plastic material, etc.
Laser type	UV / CO2 / Fiber
F-Theta lens	F=100mm / F=160mm / F=255mm / F=420mm ( or specify)
Cooling-down method	Air cooling system
Positioning system	CCD automatic visual positioning
Code reading mode	CCD real-time reading code
Driving mode	AC servo motor
Conveyor width	Automatic width adjustment by program
Marking area	105 x 105 mm per position
PCB Marking area (Max)	460mm X 460mm ( without PCB double side flip device ) , 400mm X 330mm ( with PCB double side flip device )
Conveyor type	3 mm ESD edge belt
Conveyor speed	24 m/min
Laser marking time	1 second base on 3mmX3mm data matrix code
PCB transfer time	± 5 seconds
Applicable PCB width	65 - 460 mm
Applicable PCB length	80 - 500 mm
PCB transfer height	950 ± 25 mm
Component clearance	Top 30 mm, bottom 30 mm (or specify)
Lighting	LED
Operating system	Windows 7
Monitor	22" LCD Monitor
Conveyor interface	SMEMA
Data processing	Backup, restore, share, integrate data
Optional	1.Integratel inverting unit for double-sided marking 2. Fume Extractor 3. MES system connection
Power supply	220 VAC, 50Hz, 1Ph
Power consumption	1800 VA
Air supply	0.5Mpa
Air consumption	20 ltr/min max.
External dimensions (L x W x H)	856*1450*1420mm or 856*1750*1420mm
Weight	700kg

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