TECHNICAL DATA: AMS ALM10

Laser Life (MTBF)	30,000 Hours
Laser Type	CO2 – 10W
Character per Second	800
Marking Field Min. (mm)	68 x 68
Marking Field Max. (mm)	136 x 136
Max. PCB (L x W) (mm)	600 x 500 or 450 x 350
Min. PCB (mm)	50 x 50
Dimension (L x W X H) (mm)	1420 x 1750 x 1610 or 1220 x 1590 x 1600
Weight (Kg)	800
Repeatability (um)	+/– 25
Power Supply	230 VAC, 50~60 Hz, 1.8KW / 8A
Cooling	Air–Cooled (Internal Cooling Cycle)
Interface	SMEMA
Transfer Direction	Left to Right, Right to Left (Pass–Back)
Required Accessories	Fume Extractor

AMS
ADVANCED MECHATRONICS SOLUTIONS, INC
AUTOMATION, SMT & LEAN MANUFACTURING

ALM10 Laser Marking Machine   www.ams-fa.com

Advanced. Precise. Reliable.

Low maintenance, high–performance, air–cooled CO2 mounted to a PLC, HMI–controlled XYZ motion Laser Marking System with total solutions. Innovative features include Head Moving Motion Control and PCB Flipper.

Array PCB Marking

> Max 1000 arrayed PCB
> 9 teaching point per PCB
> 4 direction array marking (NW, NE, SW, SE)

Easy Teaching

> With Teaching Camera or Aim Pointer
> Teach only Start, End point
> Able to modify position data on the screen
> Position offset

Laser Marking

> Text (24 font, Multi-Language)
> LOGO (dxf, bmp)
> Shape (Arc, Rectangle)
> Variety Code (Bar, 2D)
   Code 93, 128, DataMatrix, QR-Code, EAN, PDF 417, etc.
> Reliable brand Laser (Domino)

Vision Scanner

> Scan and Decode a barcode or 2D symbol and compare with marking data
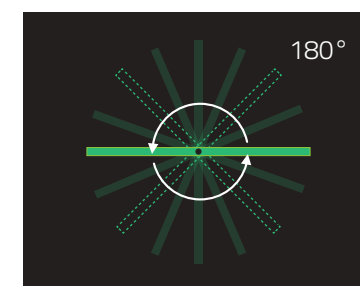> Checking the registered fiducial mark on the loading position before marking

Mobile Monitoring

> Monitor scan data on mobile device via machine WIFI connection

Multi-Device Via WIFI

> Transfer mark, scan data to server (PC)
> Receive operation command from server

PCB Flipper

180°

> Integrated PCB Flipper
> Front & back single cycle marking

Head Moving Motion Control

> Gantry robot system
> Auto width adjustment system