



ADD Bulgaria Ltd.

# SMD equipment

- Latest Panasonic CM- series evolution for scalable , modular manufacturing;
- High- speed multi – functionality productivity;
- Excellent compatibility with Panasonic CM – series;
- Multifunctional transfer unit;
- Latest functionality for high quality placement;
- Automatic Optic Inspection of PCB assemblies.

## ADD SMD Equipment's:

- Module Placement Machine – high speed 12 Nozzles;
- Module Placement Machine - 3 Nozzles;
- Reflow Oven;
- AOI Marantz Electronics U22XH;
- Screen Printer.



## Module Placement Machine

PCB dimensions	50 mm × 50 mm	
	460 mm × 360 mm	
HEADTYPE	HIGH-SPEED (12 Nozzles)	MULTI-FUNCTION (3 Nozzles)
Maximum Speed	0.144 s/chip (for type A-2 head)	0.8 s/QFP (for type B head)
Placement accuracy	±40 µm/chip (Cpk1)	±50 µm/chip ±35 µm/chip (Cpk1)
Component dimensions (mm)	0402 (01005") chip to L 12 xW 12 x T 6.5	0603 (0201") chip to L 100 x W 90 x T 25



## Reflow Oven

Vitronics Soltec MR 933+	9 heating zones
	3 cooling zones
	Minimal ΔT
	Optimal Heat Transfer



## AOI Marantz Electronics U22XH

Precision of repeated positioning	< ±0.05 mm
Max. speed	720 mm/sec
PCB size	Min: 50 mm × 50 mm Max: 650 mm × 540 mm
PCB thickness	0.4 – 2 mm
Camera	2 Mega pixel top camera



## Screen Printer

PCB dimensions	50 mm × 50 mm
	510 mm × 460 mm (330 mm × 250 mm * 1)
Cycle Time	8.0 s + printing time
Screen frame dimensions	L 736 mm x W 736 mm, L 650 mm x W 550 mm (horizontally oriented)
	L 550 mm x W 650 mm (vertically oriented)
	* 1, L 600 mm x W 550 mm (horizontally oriented) * 1

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