

NPM-D3 - PANASONIC Modular SMT Placement Machine

I.Equipment Features

- 1、The compact, dual-beam Panasonic NPM-D3 chip mounter offers a reinforced frame
- 2、advanced head and award-winning multi- recognition camera improve placement accuracy by 25%, while boosting IPC-9850 throughput 30% to 38,078 CPH per square meter.
- 3、Flexible board handling system converts to support single and multiple dual-lane operation modes
- 4、Compact footprint and dual-side operation maximizes factory floor space utilization and scalability
- 5、Integrates the industry's only field-scalable multi- recognition camera that combines alignment, thickness and 3D coplanarity into one time-saving, process-improving step



II.Technical Parameters:

Model	NPM-D3
PCBSize(LxW)	Double:L50×W50~L510×W300
	Single:L50XW50~L510XW590
Placement accuracy	H16: 0402,0603,1005 Placement ± 0.04 mm*1:*2,0402,0603, 1005 placement ± 0.03 mm*3 :Cpk ≥ 1
	H12/08: 0402, 0603, 1005 Placement ± 0.03 mm:Cpk ≥ 1
Capacity	H16: 84 000 CPH*1 (chip:0.043 s/chip);76 000 CPH*2(chip 0.047s/chip)
	H12: 69 000 CPH (chip:0.052 s/chip)
	H08: 43 000 CPH (chip:0.084 s/chip)
	H02: 11 000 CPH (chip:0.327 s/chip); 8 500 CPH(QFP:0.423 s/chip)
Object symbols	H16:03015~6x6mm Height:Max 3.0mm
	H12:0402~12 x 12 mm Height:Max 6.5mm
	H08:0402~32 x 32 mm Height:Max 12mm
	H02:0603~100 x 90 mm mm Height:Max 28mm
Machine size	W 832 xD 2 683 x H 1 444 mm (when connected to a tray feeder)
Machine weight	Main body 1680 kg·Tray feeder:200kg Exchange trolley: 110kg;·Check BOX: 70 kg