

## ***NPM-D3A - PANASONIC Pick and Place Machine***

### **I. Equipment Features**

- 1、The PANASONIC Pick and Place Machine NPM-D3A is a compact dual-beam chip mounter.
- 2、 It features a reinforced frame and an advanced head, making it highly durable and efficient.
- 3、 This machine can achieve a maximum placing speed of 92,000 components per hour (CPH), making it ideal for high-speed, high-volume production.
- 4、 Dual placement method for complete independent mounting
- 5、 Mproved basic performance that achieves even higher mounting speed and precision
- 6、 Improved O.E.E. that maximizes production volume
- 7、 The award-winning Multi Recognition Camera ensures accurate placement down to 30 micrometers.



### **II. Technical Parameters:**

Model	NPM-D3A high-speed mounter
PCB Size(LxW)	Dual:L50xW50~L510xW300
	Single:L50xW50~L510xW590
Placement accuracy	H16: 0402,0603,1005 Placement±0.04mm*1:Cpk≥103015 *2,0402,0603,1005 Placement±0.03mm*3:Cpk≥1
Capacity	H16:84 000 CPH*1(chip:0.043 s/chip);76 000 CPH*2(chip0.047s/chip)
	H12:69000 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)
Target element	H16:03015~6x6 mm Height: Max3.0mm
	H12:0402~12x12mm Height:Max6.5mm
	H08:0402~32x32 mm Height: Max12mm
	H02:0603~100x90mm mm Height: Max28mm
Machine size	W 832xD 2 683xH 1 444 mm (when tray feeder is attached)
	W 832xD 2 729xH 1 444 mm (when connected to a trolley changer)
Machine weight	Main body 1680 kg:·Tray feeder:200kg Exchange trolley: 110kg;*Check BOX: 70 kg