



Various production types are supported through high-speed and highly efficient mounting of odd-form components.

NPM-TT2

High-speed and highly efficient placement of odd-form components is achieved by arranging the tray feeders at front/rear, thus contributing to total productivity improvement

Key Features

Direct connectivity with NPM-D3 / W2

Placement heads (lightweight 8-nozzle head, 3-nozzle head V2)

Selectable and configurable supply unit specifications

Adoption of multi-mode recognition camera

Alternate and independent mounting support

NPM-TT2

https://latam.connect.panasonic.com/_pa/en/npm-tt2

Model Number	NM-EJM1E
PCB dimensions (mm)	PC sizeSingle-lane mode: L 50 mm × W50 mm to L 510 mm × W 590 mmDual-lane mode: L 50 mm × W50 mm to L 510 mm × W 300 mmM sizeSingle-lane mode: L 50 mm × W50 mm to L 510 mm × W 510 mmDual-lane mode: L 50 mm × W50 mm to L 510 mm × W 260 mm
PCB exchange	Single-lane mode: 4.0 s (With no component mounted on the reverse side of PCB)Dual-lane mode: 0 s (No 0s when cycle time is 4.0 s or less)
Electric Source	3-phase AC 200 , 220 , 380 , 400 , 420 , 480 V 2.5 kVA
Pneumatic Source	Min.0.5 MPa, 200 L / min (A.N.R.) (Only for main body)
Dimension	W 1 300 mm × D 2 798 mm × H 1 444 mm Note : Machine dimensions and mass for standard configuration(NPM-TT2 and Tray feeder x 2)They differ depending on the optional configuration.W 1 300 mm × D 2 781 mm × H 1 444 mm Note : Dimensions and mass of the machine and two ASF carts (34-slot)They differ depending on the optional configuration.
Mass	3 090 kgNote : Machine dimensions and mass for standard configuration(NPM-TT2 and Tray feeder x 2)They differ depending on the optional configuration.2 880 kgNote : Dimensions and mass of the machine and two ASF carts (34-slot)They differ depending on the optional configuration.
Placement Head	Lightweight 8-nozzle head 3-nozzle head V2
Stick	Max.28 (Single stick feeder)
Tray	Max.40
Placement Head max Speed	PC sizeLightweight 8-nozzle head (Per head): 18 000 cph (0.20 s / chip)3-nozzle head V2 (Per head): 7 200 cph (0.50 s / chip)5 900 cph (0.61 s / QFP)* at optimum conditionsM sizeLightweight 8-nozzle head (Per head): 17 460 cph (0.21 s / chip)3-nozzle head V2 (Per head): 6 984 cph (0.52 s / chip)5 723 cph (0.63 s / QFP)* at optimum conditions
Placement Head Placement Accuracy (Cpk≥1)	Lightweight 8-nozzle head : ±40 µm / chip±30 µm / QFP* at optimum conditions3-nozzle head V2: ±40 µm / chip±30 µm / QFP* at optimum conditions
Placement Head Component Dimensions (mm)	Lightweight 8-nozzle head : 0402 chip to L 45 × W 45 × T 12 or L 100 × W 40 × T 123-nozzle head V2: 0603 chip to L 120 × W 90 × T 30 or L 150 × W 25 × T 30 or L 135 × W 135 × T 13 (□135 mm is option.)
Component Supply Taping	Lightweight 8-nozzle head : Tape : 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 / 72 mm3-nozzle head V2: Tape : 4 to 72 / 88 / 104 mm