



**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>

<b>Model Number</b>	NM-EJM1E
<b>PCB dimensions (mm)</b>	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
<b>PCB exchange</b>	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)
<b>Electric Source</b>	3-phase AC 200 , 220 , 380 , 400 , 420 , 480 V 2.5 kVA
<b>Pneumatic Source</b>	Min.0.5 MPa、 200 L / min ( A.N.R. ) (Only for main body)
<b>Dimension</b>	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 andtwo ASF carts ( 34-slot ).They differ depending on the optional configuration.
<b>Mass</b>	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 andtwo ASF carts ( 34-slot ).They differ depending on the optional configuration.
<b>Placement Head</b>	Lightweight 8-nozzle head 3-nozzle head V2
<b>Stick</b>	Max.28 ( Single stick feeder )
<b>Tray</b>	Max.40
<b>Placement Head max Speed</b>	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
<b>Placement Head Placement Accuracy (Cpk≥1)</b>	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
<b>Placement Head Component Dimensions (mm)</b>	Lightweight 8-nozzle head : 0402 chip to L 45 × W 45 × T 12or L 100 × W 40 × T 123-nozzle head V2: 0603 chip to L 120 × W 90 × T 30 or L 150 × W 25 × T 30or L 135 × W 135 × T 13 ( □135 mm is option.)
<b>Component Supply Taping</b>	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