



NPM

NEXT PRODUCTION MODULAR

Manufacturing Process Innovation



NPM-TT2

Model No. NM-EJM1E



*It may not conform to Machinery Directive and EMC Directive in case of optional configuration and custom-made specification.

| Model ID | | NPM-TT2 | |
|------------------------------|---------|--|---|
| PCB dimensions | PC size | Single-lane mode | L 50 mm × W 50 mm ~ L 510 mm × W 590 mm |
| | | Dual-lane mode | L 50 mm × W 50 mm ~ L 510 mm × W 300 mm |
| | M size | Single-lane mode | L 50 mm × W 50 mm ~ L 510 mm × W 510 mm |
| | | Dual-lane mode | L 50 mm × W 50 mm ~ L 510 mm × W 260 mm |
| PCB exchange time | | Single-lane mode | 4.0 s (With no component mounted on the reverse side of PCB) |
| | | Dual-lane mode | 0 s* (No Os 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.) | |
| Dimensions*1 | | W 1 300 mm*2 × D 2 798 mm*3 × H 1 444 mm*4 | |
| Mass | | 2 690 kg (Only for main body: This differs depending on the option configuration.) | |
| Placement head | | Lightweight 8-nozzle head (Per head) | 3-nozzle head V2*5 (Per head) |
| Placement speed | PC size | 18 000 cph (0.20 s/chip) | 7 200 cph (0.50 s/chip) 5 900 cph (0.61 s/QFP) |
| | M size | 17 460 cph (0.21 s/chip) | 6 984 cph (0.52 s/chip) 5 723 cph (0.63 s/QFP) |
| Placement accuracy (Cpk ≥ 1) | | ±40 μm / chip ±30 μm / QFP □12 mm ~ □32 mm ±50 μm / QFP □12 mm Under | ±40 μm / chip ±30 μm / QFP |
| Component dimensions (mm) | | 0402 chip*6 to L 32 × W 32 × T 12 Tape : 4 to 56 / 72 mm | 0603 chip ~ L 150 × W 25 (diagonal 152) × T 30 Tape : 4 to 56 / 72 / 88 / 104 mm |
| Component supply | Taping | Specifications for front/rear tray feeders : Max. 52 Specifications for front/rear feeder carts : Max. 120 (Tape : 4, 8 mm) | |
| | Stick | Specifications for front/rear tray feeders : Max. 12 (Single stick feeder) Specifications for front/rear feeder carts : Max. 28 (Single stick feeder) | |
| | Tray | Max. 40 (Front supply unit : Max. 20 + Rear supply unit : Max. 20) | |

* Placement tact time, inspection time and accuracy values may differ slightly depending on conditions

* Please refer to the specification booklet for details.

*1 : Only for main body

*2 : 1 820 mm in width if extension conveyors (260 mm)

*3 : Dimensions shown are specifications for front/rear tray feeders. Dimensions of specifications for front/rear feeder carts : 2 893 mm

*4 : Excluding the monitor, signal tower and ceiling fan cover.

*5 : 3-nozzle head V2 cannot be installed on NPM-D3

*6 : The 0402 chip requires a specific nozzle/feeder.