



NPM-GW is capable of handling a wide range of components and boards and allows for flexible line configurations

NPM-GW

NPM-GW has enhanced its fundamental performance by upgrading its core units, including the placement head and recognition camera. This evolution allows it to manage a diverse array of components and boards, facilitating flexible production line configuration. It accommodates various component supply formats and can handle larger boards as well. Additionally, it offers a range of automation and labor-saving features, such as the Auto Setting Feeder (ASF), which automates component supply tasks. This flexibility enables it to meet the unique requirements of different mounting sites effectively.

Key Features

The industry's top-class edge device

Autonomous control of variations in 5Ms

Departure from skill-based operations



NPM-GW

<https://latam.connect.panasonic.com/pa/en/products/smart-factory-solutions/npm-gw>

PCB dimensions (mm)	Single conveyorBatch mounting : L 50 mm × W 50 mm to L 760 mm × W 687 mm2 position mounting : L 50 mm × W 50 mm to L 360 mm × W 687 mmDual conveyorPC size PCB width 300 mmDual transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 300 mmDual transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 300 mmSingle transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 590 mmSingle transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 590 mmDual conveyorM size PCB width 260 mmDual transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 260 mmDual transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 260 mmSingle transfer (Batch) : L 50 mm × W 50 mm to L 760 mm × W 510 mmSingle transfer (2 position) : L 50 mm × W 50 mm to L 360 mm × W 510 mm
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.)
Dimension	W 1 410 mm × D 2 320 mm × H 1 444 mmMachine dimensions and mass for standard configuration(NPM-GW and ASF cart (60-slot) × 2 or cart (34-slot) × 4).W 1 410 mm × D 2 468 mm × H 1 444 mmDimensions and mass of the machine and two ITF carts (30-slot).They differ depending on the optional configuration.
Mass	2 810 kgMachine dimensions and mass for standard configuration(NPM-GW and ASF cart (60-slot) × 2 or cart (34-slot) × 4).2 840 kgDimensions and mass of the machine and two ITF carts (30-slot).They differ depending on the optional configuration.
Placement Head	FC16 headFC08 headFC03 head
Stick	FC08 head & FC03 head: Max.16 (Stick Feeder 3-slot)
Tray	FC08 head & FC03 head: Max.48
Placement Head max Speed	FC16 head (Per head) : 52 000 cph (0.070 s / chip)FC08 head (Per head) : 26 500 cph (0.136 s / chip)FC03 head (Per head) : 10 000 cph (0.360 s / chip)
Placement Head Placement Accuracy (Cpk≥1)	FC16 head (Per head) : ±25 µm /chipFC08 head (Per head) : ±25 µm / chip ±25 µm / QFPFC03 head (Per head) : ±25 µm / chip ±20 µm / QFP (The placement angle recognition setting needs to be enabled.)
Placement Head Component Dimensions (mm)	FC16 head (Per head) : 0201 chip / 03015 chip to L 10 × W 10 × T 6FC08 head (Per head) : 0402 chip to L 45 × W 45 or L 100 × W 40 × T 12FC03 head (Per head) : 0603 chip to L 120 × W 90 or L 150 × W 25 × T 40 or L 135 × W 135 × T 180201 / 03015 / 0402 component requires a specific nozzle / tape feeder.0201 component placement is optional.(Under conditions specified by Panasonic)T6 needs dedicated short nozzles and is □6.5 mm or less. □135 mm is option.
Component Supply Taping	FC16 head (Per head) : 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 mm FC08 head (Per head) : 4 to 56 / 72 mm FC03 head (Per head) : 4 to 56 / 72 / 88 / 104 mmMax.136 (4, 8 mm tape)