



O NPM-GW é capaz de lidar com uma ampla gama de componentes e placas e permite configurações de linha flexíveis

NPM-GW

O NPM-GW melhorou seu desempenho fundamental atualizando suas unidades principais, incluindo o cabeçote de posicionamento e a câmera de reconhecimento. Essa evolução permite gerenciar uma gama diversificada de componentes e placas, facilitando a configuração flexível da linha de produção. Ele acomoda vários formatos de fornecimento de componentes e também pode lidar com placas maiores. Além disso, oferece uma variedade de recursos de automação e economia de trabalho, como o Auto Setting Feeder (ASF), que automatiza as tarefas de fornecimento de componentes. Essa flexibilidade permite que ele atenda aos requisitos exclusivos de diferentes locais de montagem de forma eficaz.

Key Features

O dispositivo de borda de primeira classe do setor

Controle autônomo de variações em 5Ms

Afastamento das operações baseadas em habilidades



NPM-GW

<https://latam.connect.panasonic.com/pe/pt/produtos/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)