



Panasonic NPM-GW SMT Pick And Place Machine with $\pm 25\mu\text{m}$ /chip Accuracy, 52000 cph Speed, and L760xW687mm PCB Compatibility

Our Product Introduction

Basic Information

- Place of Origin: Japan
- Brand Name: Panasonic
- Model Number: NPM-GW
- Minimum Order Quantity: 1 PCS
- Price: USD+negotiable+pcs
- Packaging Details: 2000*800*1200mm
- Delivery Time: 1-7 days
- Payment Terms: T/T
- Supply Ability: 1+pcs+per days



Product Specification

- Placement Accuracy (Cpk ≥ 1): $\pm 25\mu\text{m}/\text{chip}$
- Max.speed (per 1 Head): 52000 Cph(0.070s/chip)
- Maximum PCB Dimensions(For Single Conveyor): L760xW 687 Mm Slide Mounting:1,050 Mm/1,260 Mm
- Component Dimensions(mm): 0201chip L120xW90xT40/T45 Or L150xW25xT40/T 45
- PCB Transfer Lane: Single/Dual
- Component Supply: Taping/Stick/Tray
- Maximum Number Of Components Supply(Tape Width4 Mm,8 Mm Calculation): 136
- Number Of Heads: 2
- Placement Heads: 16/8/3
- Condition: Used Original

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SMT Pick And Place Machines NPM-GW Modular Placement Machine

Key Features and Capabilities

Support for large components and oversized PCBs to meet growing Electric Vehicle (EV) and Digital Transformation (DX) market demands

Advanced 5M process control "APC-5M" ensuring optimal production quality and operational stability

Comprehensive automation features including Auto Setting Feeder for reduced manual intervention and labor savings

5M Process Control: Comprehensive management of production variables: huMan, Machine, Material, Method, and Measurement

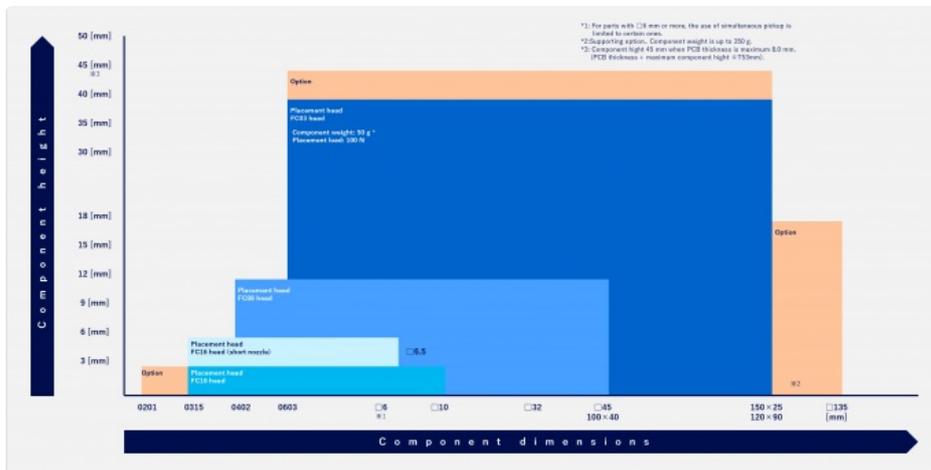
Panasonic NPM-GW Modular Placement Machine Features

This modular mounter delivers enhanced performance through upgraded core components including placement heads and recognition cameras.

The system offers extensive compatibility with diverse component types and supply configurations, while accommodating larger PCB sizes.

Advanced automation features like the Auto Setting Feeder (ASF) streamline component supply operations, providing flexible solutions tailored to specific mounting requirements.

Technical Specifications



Supported Components Range

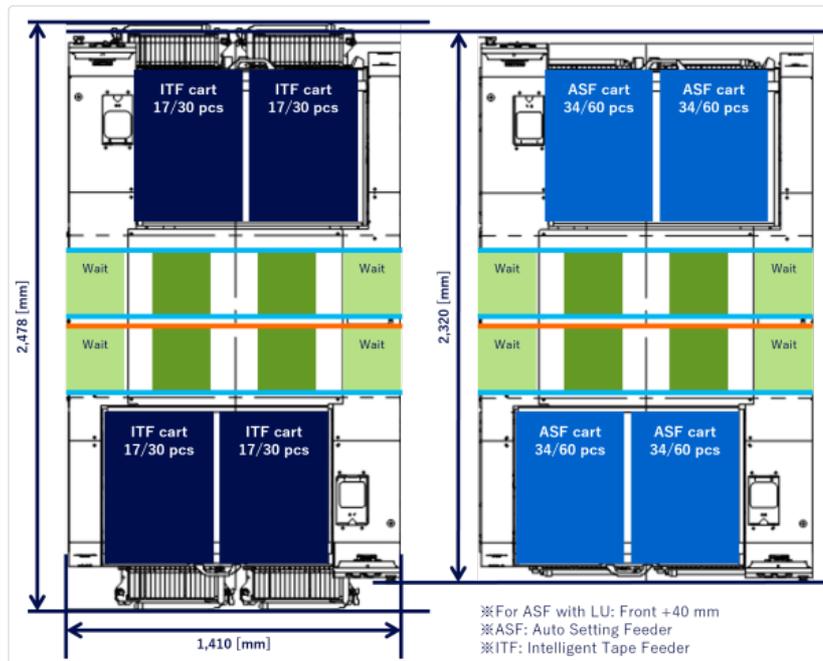
Maximum speed and placement accuracy	16 Nozzle head	8 Nozzle head	3 Nozzle head
	FC16	FC08	FC03
<p>[FC16 head] Maximum speed : 104 000 cph^{*1} IPC9850 (1608) : 70 000 cph^{*1}</p> <p>[FC08 head] Maximum speed : 53 000 cph^{*2} IPC9850 (1608) : 42 000 cph^{*2}</p> <p>[FC03 head] Maximum speed : 20 000 cph^{*3} IPC9850 (1608) : 13 800 cph^{*3}</p> <p>※1: Speed with FC16 × 2 head ※2: Speed with FC08 × 2 head ※3: Speed with FC03 × 2 head</p>			

Maximum Speed and Placement Accuracy



Supported PCB Size Specifications

System Configuration

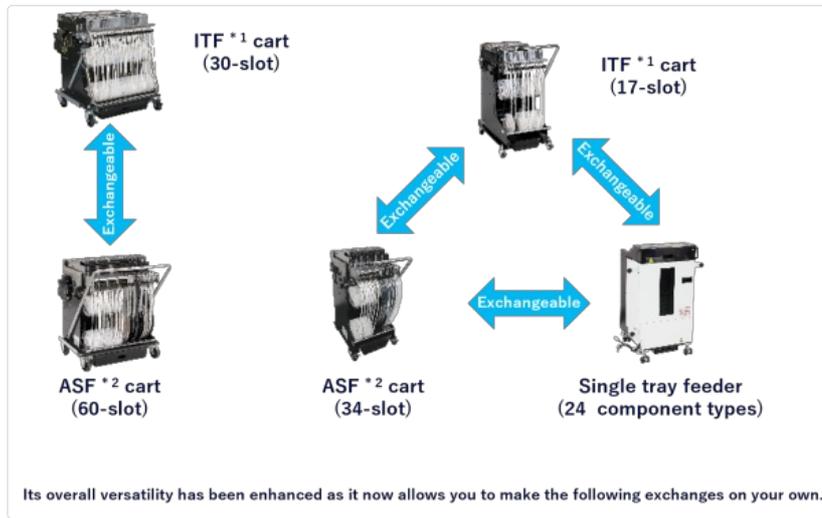


Configuration Layout Example

Layout 1	Layout 2	Layout 3	Layout 4	Layout 5
8 mm taping: 120 Tray: 0	8 mm taping: 136 Tray: 0	8 mm taping: 94 Tray: 24	8 mm taping: 102 Tray: 24	8 mm taping: 68 Tray: 48
ASF carts (60-slot) ITF carts (30-slot)	ASF carts (34-slot) x 2 ITF carts (17-slot) x 2	ASF carts (34-slot)/Tray ITF carts (17-slot)/Tray	ASF cart (34-slot)/Tray ITF cart (17-slot)/Tray	ASF cart (34-slot)/Tray ITF cart (17-slot)/Tray
ASF carts (60-slot) ITF carts (30-slot)	ASF cart (34-slot) x 2 ITF cart (17-slot) x 2	ASF cart (60-slot) ITF cart (30-slot)	ASF cart (34-slot) x 2 ITF cart (17-slot) x 2	ASF cart (34-slot)/Tray ITF cart (17-slot)/Tray
※ASF: Auto Setting Feeder ※ITF: Intelligent Tape Feeder				

Example System Configuration

Component Supply Units



Component Supply Units Overview

Compatible with ITF cart

Tape Feeder

Thin type single tape feeder

3-slot stick feeder

Stacked stick Feeder (S) #3

For NPM-G series Transfer unit

Compatible with ASF cart

ASF#2 (standard)

ASF#2 (with LU *4 installed)

SF3#5

DPU#6

※ 1: ITF: Intelligent Tape Feeder ※ 2: ASF: Auto Setting Feeder
 ※ 3: L size is available depending on the part size.
 ※ 4: LU: Loading Unit ※ 5: Stick Feeder 3-slot ※ 6: Dipping Unit

Compatible with LTF Cart and ASF Cart Feeder Systems