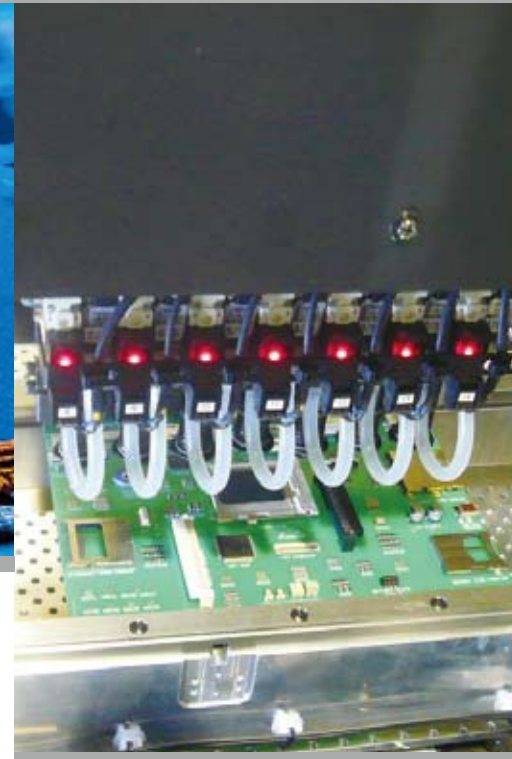




Our Solutions, Your Value

any volume
any mix



Modular Placement Machine

Mixing a wide variety of machine layouts and a wide range of options to offer you an optimum line suitable for all types of production



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

Model ID	AM100
Model No.	NM-EJM4D
PCB dimensions	L 50 mm × W 50 mm to L 510 mm × W 460 mm
Placement speed	35 800 cph (0.1006 s/chip), 12 200 cph (0.295 s/QFP □12 mm or less)
Placement accuracy (Cpk≥1)	±40 μm/chip ±50 μm/QFP □12 mm or less ±30 μm/QFP □12 mm over to □32 mm or less
Component supply	Taping Tape : 8 ~ 56 / 72 / 88 / 104 mm Tape feeder specification: Max. 160 Tray feeder specification: Max. 120 *1 (8 mm tape : double feeder, (small reel))
	Stick Tape feeder specification: Max. 20 Tray feeder specification: Max. 15 *1
	Tray Tray feeder specification: Max. 20 *1 Manually setting tray specification: Max. 2 *2 (Option for the fixed feeder base)
Component dimensions	(01005") 0402 chip *3 to L 120 mm × W 90 or L 150 mm × W 25 mm (T=28 *4)
PCB exchange time	4.0 s (where there is no placement component on the rear side)
Electric source	3-phase AC 200 / 220 V ±10 V, AC 380 / 400 / 420 / 480 V ±20 V 2.0 kVA
Pneumatic source	Min.0.5 MPa to Max.0.8 MPa, 200 L / min (A.N.R.)
Dimensions	W 1 970 mm × D 2 019 mm *4 × H 1 500 mm *6
Mass	2 650 kg *7

*Values such as maximum speed and placement accuracy may vary depending on operating conditions. *Please refer to the 'Specification' booklet for details.
*1:in case of Single tray *2:When installed on both sides of the rear fixed feeder base. *3:The (01005")0402 chip requires a specific nozzle/feeder.
*4:For components with a height of 25 mm or more, a dedicated nozzle is required.
*5:The D measurement indicates the size of the machine with the fixed feeder bases in the front and rear.
For front and rear feeder cart specifications, D measures 2282 mm and, with the tray feeder connected (front side: fixed feeder base), 2105 mm.
*6:The signal tower and touch panel are not included. *7:The machine body plus 4 fixed feeder bases (varies depending on the machine layout).

Model ID
AM100
Model No. NM-EJM4D

⚠ Safety Cautions

● Please read the User's Manual carefully to familiarize yourself with safe and effective usage procedures.

● To ensure safety when using this equipment all work should be performed according to that as stated in the supplied Operating Instructions. Read your operating instruction manual thoroughly.



Panasonic Group products are built with the environment in mind.
<http://panasonic.net/eco/>



Panasonic Group builds Environmental Management System in the factories of the world and acquires the International Environmental Standard ISO 14001:2004.

Inquiries...

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right-sized solutions

Concentrated the essence (DNA) of BM / CM series in this product!

- New starting point for Panasonic's modular mounters -

Concept

... One-machine solution for the pursuit of net productivity and high versatility

Equipped with super multi-14-nozzle head that balances productivity and versatility. -Mounting components (up to 14 mm)*1 in the maximum speed.*2

Components ranges from (01005") 0402 to 120 × 90(mm) or 150 × 25(mm)

*1: for □14 mm-square size components
C0.5mm minimum



*2: The optimal tact time may not achieved due to the weight of component or the surface material of component.

"No supply unit" is selectable for the rear side.

(For details, please contact with our sales representative.)

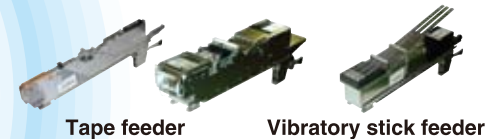
AM100 : 2 282 mm
BM221 : 2 410 mm

The machine, with the same size as BM221 (size M), supports XL-sized PCBs.

*3: The measurements indicate the size of the machine with the feeder carts in front and rear

Program creation using the data creation system (NPM-DGS)
Panaset data conversion tool is installed in NPM-DGS as standard

Feeders are compatible with CM / NPM



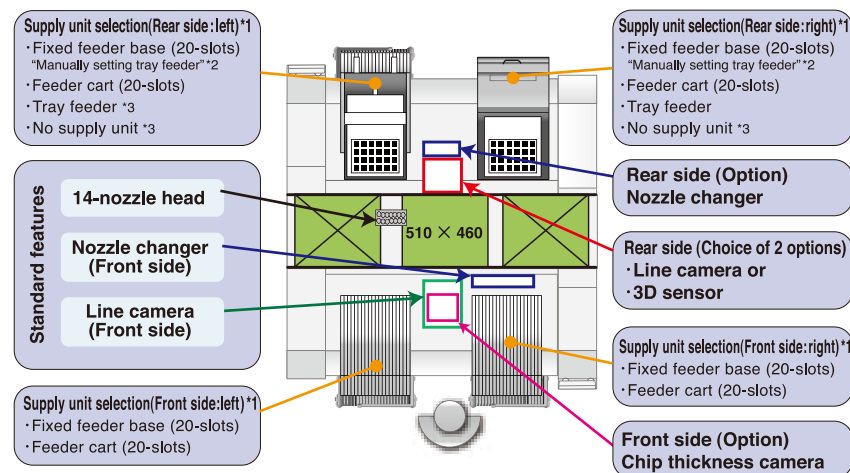
Feeder supply unit*4 Max. 80

(For the double tape feeder: Max.160)

*Select either the fixed feeder base or feeder cart



Machine layout



*1: When you select supply units for a machine, the fixed feeder base cannot be mixed with the feeder cart in the machine.
*2: The Manually setting tray is only installable on the rear fixed feeder base (one on each side).
*3: Please consult our sales representative.
*The above illustration is an example of machine layout.

Wide range of options

Fixed feeder base options

- Manually setting tray
- Reel box
- Cutting unit & reel holder

Grip nozzle

Rear side nozzle changer

Rear side operation panel

Automatic replacement of support pins

Chip thickness camera (front side only)

Rear side camera (line camera or 3D sensor)

Support station

Height sensor (measuring PCB warpage)

Component supply unit



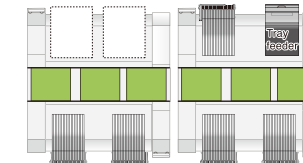
Note) A cutting unit & reel holder (options) are included in the picture

Examples of system configurations

One machine solution



High cost performance flexible line



High-mix low-volume manufacturing solution



Advanced process line



Great versatility, allowing production to start with a single machine only

- A single machine completes mounting of components ranging from chips to tray components.
- "Fixed feeder base specifications" helps reduce investment cost
- Multi-functionality / versatility of the CM/NPM line is enhanced through the connection with AM100

General-purpose line, providing the best balance of cost and net productivity.

- High productivity (14NzH), with a small loss of the balance between the machines
- Grip nozzle supported (the chuck size can change)

A group of options to support increased actual productivity in high-mix low-volume manufacturing

- Higher feeder input capability allows MJS*.
- Automated support pin replacement function supporting quick changeover
- Ensuring mounting quality at the start of production: Chip thickness / 3D sensor

*Mix job setter: a function of the data creation system (NPM-DGS)

Advance processes introduced through combinations of options

- PoP mounting: Multi-functional transfer unit
- Thin PCBs application: height sensor (measuring PCB warpage)