

### **Component Verification option**

### Prevents setup mistakes during changeover. Provides an increase of production efficiency by easy operation.



ILNB PC

Inquiries



\*Please prepare a wireless scanner and related accessories by customers. Wireless scanner

#### Mounting MES software (PanaCIM-EE Gen2)

Helps improve the entire factory's productivity and quality by supporting / directing operators and contributing to better management of the factory.





solder pots, etc. With the material control function, parts location

control, remaining quantity control, moisture parts control, supports parts allocation and picking instructions linked to production planning.

Prevents setup mistakes by verifying the production data and

Prevents setup mistakes by matching labels on reels, trays,

Equipment stops when there is an incorrect and /

exchanged component barcode data.

or incomplete verification. PanaCIM-EE Gen2 verification

Automation reduces labor and helps improve quality.



Feeder maintenance unit

## 🔨 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. For details

Panasonic GREEN IMPACT

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All data as of January 1, 2025 Ver.January 1, 2025

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# Panasonic CONNECT

## Model No. AM100 NM-EJM4D



• 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.

PCB uniferisions Long PCB Specification (option) : L 50 mm × M   PCB exchange time *when no component mounted on the bottom side Standard Specification : 4.0 s (L 515 mm or less Long PCB Specification (option) : 7.0 s (L 857 7.5 s (over   Placement speed *at optimum conditions 35 800 cph (0.1006 s / chip) 、 12 200 cph (0 ± 40 µm / chip ± 50 µm / QFP 12 mm or less ± 30 µm / QFP 12 mm to 32 mm   Component dimensions 0402 chip + 1 to L 120 mm × W 90 mm or L 150 Tape : 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 / 72 / Tape feeder specification : Max.160 Tray feeder specification : Max.120 · 3   Component supply Stick Tape feeder specification : Max.40 Tray feeder specification : Max.20 · 3 Manually setting tray specification : Max.20 · 3 Manually setting tray specification in the mount Manually setting tray specification in the mount Maxs *6   Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement support is optional.			
PCB dimensions Standard Specification : L 50 mm × W 50 mm to Long PCB Specification (option) : L 50 mm × W 50 mm to Long PCB Specification : 4.0 s (L 515 mm or less tong PCB Specification (option) : 7.0 s (L 857 7.5 s (over	Model ID		AM100
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*Ween no component mounted on the bottom side Long PCB Specification (option): 7.0 s (L857 7.5 s (over   Placement speed *at optimum conditions 35 800 cph (0.1006 s / chip) 、 12 200 cph (0 ± 40 µm / chip ± 50 µm / QFP □12 mm or less ± 30 µm / QFP □12 mm to □32 mm   Component dimensions 0402 chip ·1 to L 120 mm × W 90 mm or L 150 Tape feeder specification : Max.160 Tray feeder specification : Max.120·3   Component supply Stick Tape feeder specification : Max.20 ·3 Manually setting tray specification : Max.20 ·3 Manually setting tray specification in the mount Belectric source Tray feeder specification : Max.20 ·3 Manually setting tray specification in the mount Manually setting tray specification in the mount Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement support is optional. *2 : For components with a height of 25 m a dedicated nozzle is required.	PCB dimensions		Standard Specification : L 50 mm $\times$ W 50 mm to L Long PCB Specification (option) : L 50 mm $\times$ W
*at optimum conditions3.5 800 cplit (0.1000 s) chip) (1.12 200 cplit (0.1			Standard Specification : 4.0 s ( L 515 mm or less ) Long PCB Specification ( option ) : 7.0 s ( L 857.5 7.5 s ( over L 8
Placement accuracy ( Cpk ≥ 1) * at optimum conditions ± 50 µm / QFP 12 mm or less ± 30 µm / QFP   Component dimensions 0402 chip +1 to L 120 mm × W 90 mm or L 150 Tape : 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 / 72 / Tape feeder specification : Max.160 Tray feeder specification : Max.120 +3 ( Tape Tape   Component supply Stick Tape feeder specification : Max.40 Tray feeder specification : Max.20 +3 Manually setting tray specification : Max.20 +3 Manually setting tray specification in the mount Electric source 3-phase AC 200 / 220 V ± 10 V, AC 380 / 400 Manually setting tray specification in the mount Manually setting tray specification in the mount Manually setting tray specification in the mount Manually setting tray specification in the mount Pneumatic source   Please refer to the specification booklet for details. ¥ 1 70 mm × D 2 105 mm × H 1 500 mm +7 A addicated nozzi 0402 placement support is optional. *2 : For components with a height of 25 manually a dedicated nozzi is required for the specification	Placement speed *at optimum conditions		35 800 cph ( 0.1006 s / chip ) 、12 200 cph ( 0.2
Component supply Taping Tape: 4 / 8 / 12 / 16 / 24 / 32 / 44 / 56 / 72 / Tape feeder specification : Max.160 Tray feeder specification : Max.120·3 (Tape   Stick Tape feeder specification : Max.40 Tray feeder specification : Max.30·3 (single   Tray Tray feeder specification : Max.20·3 (single   Tray Tray feeder specification : Max.20·3 (single   Tray Tray feeder specification : Max.20·3 Manually setting tray specification : Max.20·4   Manually setting tray specification : Max.20·3 Manually setting tray specification : Max.20·4   Pleumatic source 3-phase AC 200 / 220 V ± 10 V, AC 380 / 400   Pneumatic source Min.0.5 MPa to Max.0.8 MPa, 200 L / min (A   Dimensions *6 W 1 970 mm × D 2 105 mm × H 1 500 mm ·7   Mass *6 2 780 kg   Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement suppont is optional. *2 : For components with a height of 25 mar a dedicated nozzle is required.			$\pm$ 50 $\mu$ m / QFP $^{\Box}$ 12 mm or less
Component supply Taping Tape feeder specification : Max.160 Tray feeder specification : Max.120*3 ( Tape feeder specification : Max.120*3   Stick Tape feeder specification : Max.30*3 ( single Tray feeder specification : Max.20*3   Tray Tray feeder specification : Max.20*3 ( single Tray feeder specification : Max.20*3   Tray Tray feeder specification : Max.20*3 ( single Tray feeder specification : Max.20*3   Tray Tray feeder specification : Max.20*3 Manually setting tray specification : Max.20*4   Manually setting tray specification : Max.20*3 Manually setting tray specification in the mount   Electric source 3-phase AC 200 / 220 V ± 10 V, AC 380 / 400   Pneumatic source Min.0.5 MPa to Max.0.8 MPa, 200 L / min ( A   Dimensions *6 W 1 970 mm × D 2 105 mm × H 1 500 mm *7   Mass *6 2 780 kg   Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz   *1 : The 0402 chip requires a specific nozz *2 : For components with a height of 25 mar a dedicated nozzle is required.	Component dimensions		0402 chip -1 to L 120 mm × W 90 mm or L 150 m
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supply Stick Tap feeder specification : Max.30 ·3 ( single   Tray feeder specification : Max.30 ·3 Tray feeder specification : Max.20 ·3 ( single   Tray Tray feeder specification : Max.20 ·3 Manually setting tray specification : Max.20 ·4   Manually setting tray specification in the mount Stick Manually setting tray specification in the mount   Electric source 3-phase AC 200 / 220 V ± 10 V, AC 380 / 400   Pneumatic source Min.0.5 MPa to Max.0.8 MPa, 200 L / min ( A   Dimensions ·6 W 1 970 mm × D 2 105 mm × H 1 500 mm ·7   Mass ·6 2 780 kg   Please refer to the specification *1 : The 0402 chip requires a specific nozz   0402 placement support is optional. *2 : For components with a height of 2.5 mar a dedicated nozzle is required.		Taping	' (labe, 4
Tray Manually setting tray specification : Max.20 · 4   Manually setting tray specification in the mound   Electric source 3-phase AC 200 / 220 V ± 10 V, AC 380 / 400   Pneumatic source Min.0.5 MPa to Max.0.8 MPa, 200 L / min ( A   Dimensions ·6 W 1 970 mm × D 2 105 mm × H 1 500 mm ·7   Mass ·6 2 780 kg   Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement support is optional.   *2 : For components with a height of 25 m a dedicated nozzle is required. *2 : For components with a height of 25 m a dedicated nozzle is required.		Stick	'   (single st
Pneumatic source Min.0.5 MPa to Max.0.8 MPa、 200 L / min ( A   Dimensions *6 W 1 970 mm × D 2 105 mm × H 1 500 mm *7   Mass *6 2 780 kg   Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement support is optional.   *2 : For components with a height of 25 m a dedicated nozzle is required.		Tray	Tray feeder specification : Max.20 ·3 Manually setting tray specification : Max.20 ·4 ( O Manually setting tray specification in the mounter
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Mass *6 2 780 kg   Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement support is optional.   *2 : For components with a height of 25 m a dedicated nozzle is required.	Pneumatic source		Min.0.5 MPa to Max.0.8 MPa、200 L / min ( A.N
Please refer to the specification booklet for details. *1 : The 0402 chip requires a specific nozz 0402 placement support is optional. *2 : For components with a height of 25 m a dedicated nozzle is required.	Dimensions 16		W 1 970 mm $\times$ D 2 105 mm $\times$ H 1 500 mm $_{^{*7}}$
booklet for details. 402 placement support is optional. *2 : For components with a height of 25 m a dedicated nozzle is required.	Mass *6		2 780 kg
			0402 placement support is optional. *2 : For components with a height of 25 mm of a dedicated nozzle is required.

## **Electronics Assembly System**

Modular Placement Machine Catalogue





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

. 515 mm × W 460 mm 50 mm to L 1 500 mm × W 460 mm 5 mm or less ) 857.5 mm to L 1 500 mm or less )

.295 s / QFP  $^{\Box}$ 12 mm or less )

mm × W 25 mm ( $T = 28 \cdot 2$ ) 38 / 104 mm

4 / 8 mm tape (small reel))

stick feeder )

Option for the fixed feeder base ) er ( 2 trays ) : Max.20 -5 ( Option for the fixed feeder base ) 420 / 480 V ±20 V 2.0 kVA NR)

/ feeder.

or more

\*4 : When installed on both sides of the rear fixed feeder base \*5 : When rear is fixed feeder base or no supply unit. \*6 : The machine body plus 3 fixed feeder bases and a DT

(dimensions and mass depending on the machine layout) \*7 : The signal tower and touch panel are not included.

## **Any-Mix Any-Volume Solution**



(Option)



in three steps: load, remove, and relocate.

### Versatility