# **Quality improvement**

**Placement height control** 

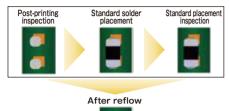
**Component Verification option** 

### **APC system**

### Feedforward to placement heads

· Feed forward the offset values calculated from solder position

Chip components(0402C/R ~) Package component (QFP, BGA, CSP)

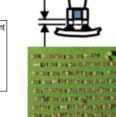


of production efficiency through easy operation

FA PC (LNB)

Prevents setup errors during changeover Provides an increase

Wireless scanner (PDA)



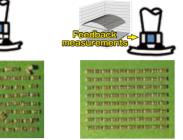
Without PCB warpage measurer

Wireless scanner \*1

AM100 Line

Wireless scanner \*1

Improves mounting quality by controlling the mounting height based on PCB warpage data and individual part thickness.



Component setup error prevention

Array data activesync function

feeder performance in sync

Interlock function

Navigation function

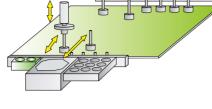
•Scanner selection

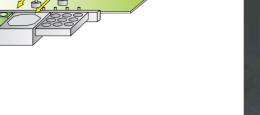
production data and component barcode data

Support pins are replaced automatically to reduce labor and operator errors during changeover.

Automatic support pin replacement

With PCB warpage measure





Panasonic **BUSINESS** 



•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

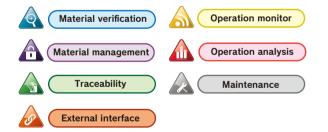


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del No.NM-EJM

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.



Inquiries…

Automation reduces labor and helps improve quality

Prevents setup errors through verifying the AM100 downloaded

There's no need to select array data; data is verified with the AM100

Clearly provide a verification task with data display and Intelligent

Users can choose either a wired or wireless scanner (PDA)

\*1:Please prepare a wireless scanner and related accessories by yourself

Equipment stops when it has an incorrect and/or incomplete verification



Feeder maintenance unit

Automatic tape splicing 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 t	he environment in mind.	Please check the homepage for the details. panasonic.com/global/corporate/sustainability

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All data as of January 1, 2021 Ver.January 1, 2021 © Panasonic Corporation 2021

Panasonic

Changes in specifications and appearance may be made without notice for product improvement. •Homepage industrial.panasonic.com/ww/fa-jisso

Automation reduces labor and helps improve quality



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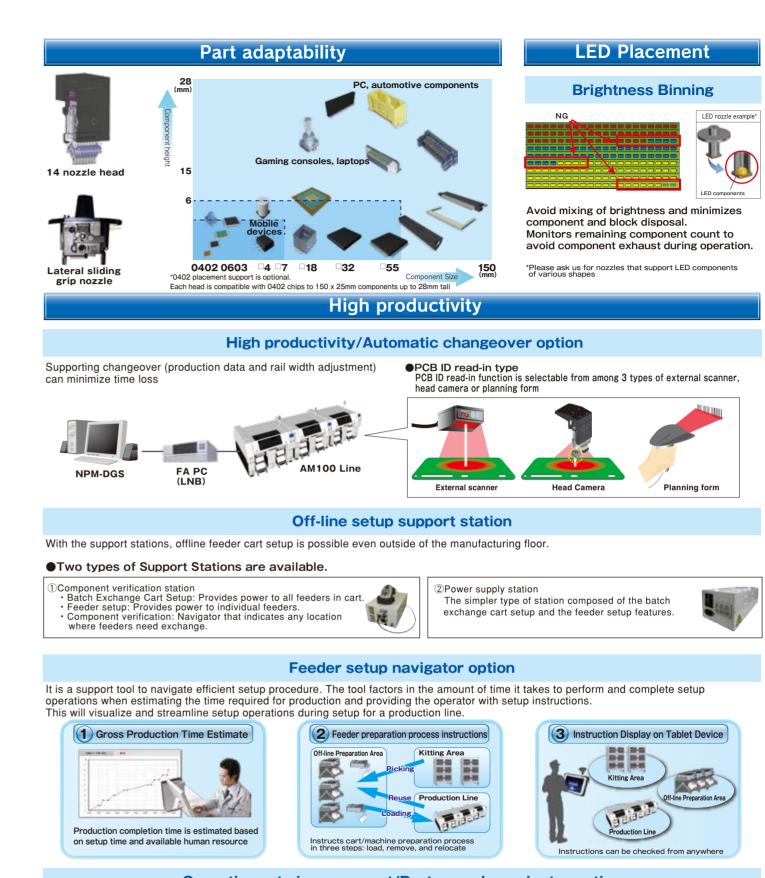
\* It may not conform to Machinery Directive and EMC Directive in case of optional configuration and custom-made specification.

D
W 50 mm to L 510 mm × W 460 mm
oh (0.1006 s/chip), 12 200 cph (0.295 s/QFP °12 mm or less)
hip QFP °12 mm or less QFP °12 mm over to °32 mm or less
$\sim$ 56 / 72 / 88 / 104 mm
der specification: Max. 160 der specification: Max. 120*1](Tape : 4 / 8 mm tape (small reel))
der specification: Max. 40 der specification: Max. 30 *1 (Single stick feeder)
der specification: Max. 20 *1
setting tray specification: Max. 20*2 (Option for the fixed feeder base)
p*3 to L 120 mm × W 90 or L 150 mm × W 25 mm (T=28*4)
ere there is no placement component on the rear side)
AC 200 / 220 V ±10 V, AC 380 / 400 / 420 / 480 V ±20 V 2.0 kVA
IPa to Max.0.8 MPa、200 L /min (A.N.R.)
nn × D 2 019 nn *4 × H 1 500 nn *6
*7
nent accuracy may vary depending on operating conditions. "Please refer to the 'Specification'booklet for details I on both sides of the rear fixed feeder base. (reder. 0402 mounting compatibility is optional. r more, a dedicated nozzle is required. the machine with the fixed feeder bases in the front and rear. ns,D measures 2262 mm and, with the tray feeder connected (front side: fixed feeder base), 2105 mm.

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)

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





## Operating rate improvement/Parts supply navigator option

A component supply support tool that navigates efficient component supply priorities. It considers the time left until component run-out and efficient path of operator movement to send component supply instructions to each operator. This achieves more efficient component supply





\*PanaCIM is required to have operators in charge of supplying components to multiple production lines.