

Our Solutions, Your Value

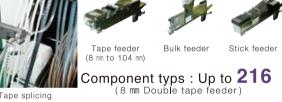
one











include: Feeder cart Intelligent tape feeder

Tape splicing (Component supply during operation)

High compatibility with CM402 series realized through modular manufacturing concept.



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.

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Ver.April 1, 2013

High-speed head (12 nozzles)



proven CM Platform has evolved to a placement machine that realizes excellent line balance and easier handling.



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

NM-EJM8A L 50 mm × W 50 mm to L 510 mm × W 460 mm 12 nozzles				
12 nozzles				
100 000 cph /0 036 c/chip /Type A 2\\				
100 000 cph (0.036 s/chip (Type A-2))				
± 40 µm/chip (Cpk≥1)				
(01005")0402 chip*5 to L 12 mm × W 12 mm × T 6.5 mm				
LS 8 nozzles				
75 000 cph (0.048 s/chip (Type A-0))				
\pm 40 µm/chip , \pm 35 µm/QFP \geq $^{\square}$ 24 mm , \pm 50 µm/QFP $<$ $^{\square}$ 24 mm (Cpk \geq 1)				
(01005")0402 chip *s to L 32 mm × W 32 mm × T 8.5 mm *8				
When the generalized Ver.5 is optionally selected (01005")0402 chip *5 to L 100 mm × W 50 mm × T 15 mm *6				
3 nozzles				
20 000 cph (0.18 s/QFP (Type B-0))				
± 35 µm/QFP (Cpk≥1)				
(0201") 0603 chip to L 100 mm × W 90 mm × T 25 mm *7				
0.9 s (Board length ∶up to 240 mm Under optimum conditions)				
3-phase AC 200, 220, 380, 400, 420, 480 V, 4.0 kVA				
0.49 MPa, 170 L /min (A.N.R.)				
W 2 350 mm × D 2 290 mm *2 × H 1 430 mm *3				
3 400 kg				
(() 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				

- "Values such as maximum speed and placement accuracy may vary depending on operating conditions." Please refer to the "Specification" bookl
 "1.0nly for main body "2:Dimension D including direct tray feeder: 2 565 mm "3:Excluding monitor and signal tower
 "4.Standard configuration:excluding batch exchange cart and tray feeders. This may differ depending on configuration.

 5:The 0402 chip requires a specific nozzle/feeder. "6:When T is more than 11.5mm, special nozzles are needed.Please consult us separately.
 "7:When T is more than 1.5mm, special nozzles are needed.Please consult us separately.

 8:When T is more than 6.5mm, special nozzles are needed.Please consult us separately.





Improves actual productivity with lighter high-speed head and new optimization Further component handling capability



New high-flexibility 8 nozzles head



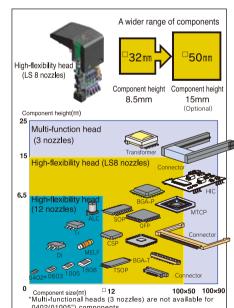
compact feeder carts

Improves area productivity with

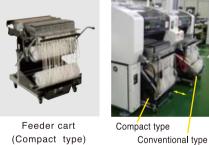
Multi-function head (3 nozzles) Actual productivity (IPC9850) **69 500** cph (Type A-2)

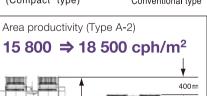
Tact time

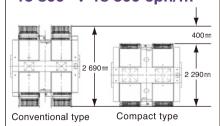
Lighter high-speed head and new manufacturing sequence optimization has increased productivity by 7 % compared to the former optimization model Ver.4.



The generalized Ver.5 (optional) expands existing component range. A wide variety of components, ranging from a 0402 chip to 50mm and a large size connector (100 × 50mm), have become mountable. The 3D sensor and direct tray feeder can be installed as before providing superior handling capabilities for odd-shaped components.







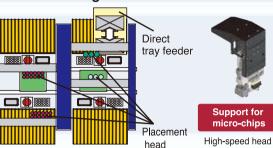
200mm decrease in Feeder cart size

- Area productivity has increased by 17%
- Equipment maintenance has improved
- *The Compact Feeder Cart has compatibility with Conventional Feeder Cart. Both types of the Feeder Carts can be used at the same time.

A wide range of variations

The most suitable module can be selected to place components from microchips to odd-shaped components, as well as depending on the products and the production volume.

■ Machine configuration





(12 nozzles)



High-flexibility head

(LS 8 nozzles)



Multi-functional head

(3 nozzles)

Direct tray feeder DT50S-20

JEDEC trays are supported. Up to 20 types of trays can be stocked.

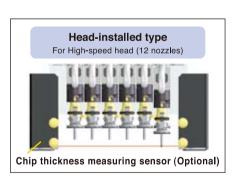
during operation.

Components can be supplied from trays

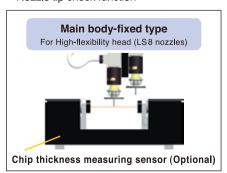
Configuration type		type	12 nozzles / 12 nozzles	12 nozzles / 8 nozzles	8 nozzles / 8 nozzles	12 nozzles / 3 nozzles	8 nozzles / 3 nozzles	3 nozzles / 3 nozzles
Head combination		Α	Type A-2	Type A-1	Type A-0	_	_	_
		В	_	_	_	_	_	Type B-0
		С	_	_	_	Type C-1	Type C-0	_
Direct tray support		D	_	Type D-3	Type D-2	Type D-1	Type D-0	_
		Е	_	_	_	_	_	Type E-0
	Both sides	F	_	_	Type F-2	_	Type F-1	Type F-0

Increases placement reliability by the 3D sensor

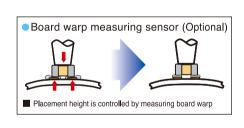
Multifunctional transfer unit supporting PoP and C4



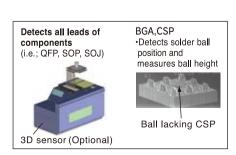
- Component bring-back check function
- Component thickness measurement function after components are changed
- Nozzle tip check function



Component thickness measurement function after components are changed



High-quality placement for IC component via the 3D sensor



High-speed detection via batch scanning.



3 nozzles

□38mm