

Model No. NM-EJR5A

## ● High Speed Radial Lead Component Insertion Machine

• High productivity through high-speed insertion at 0.14 s/component.



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

Model ID	RL132	
Model No.	NM-EJR5A	NM-EJR6A
PCB dimensions	L 50 mm x W 50 mm to L 508 mm x W 381 mm	L 50 mm x W 50 mm to L 508 mm x W 381 mm
Max. speed	0.14 s/component	0.14 s/component
No. of component inputs	40	80 (Connection mode), 40 + 40 (Exchange mode)
Applicable components	Pitch 2.5/5.0 mm (standard), 7.5 mm and 10 mm (option), Resistor, Electrolytic capacitor, Ceramic capacitor, LED, Transistor, Filter, Resistor network	Pitch 2.5/5.0 mm (standard), 7.5 mm and 10 mm (option), Resistor, Electrolytic capacitor, Ceramic capacitor, LED, Transistor, Filter, Resistor network
PCB exchange time	about 2 s to about 4 s (Room temperature 20°C)	about 2 s to about 4 s (Room temperature 20°C)
Insertion direction	360° direction by 1° increment	360° direction by 1° increment
Electric source *1	3-phase AC 200 V, 3.5 kVA	3-phase AC 200 V, 3.5 kVA
Pneumatic source	0.5 MPa, 80 L/min (A.N.R.)	0.5 MPa, 80 L/min (A.N.R.)
Dimensions	W 2 104 mm x D 2 183 mm x H 1 575 mm *2	W 3 200 mm x D 2 417 mm x H 1 575 mm *2
Mass *3	1 750 kg	2 350 kg

\* Values such as maximum speed may vary depending on operating conditions.

\* Please refer to the "Specification" booklet for details.

\*1: Compatible with 3-phase 220 / 380 / 400 / 420 / 480 V

\*2: Excluding signal tower

\*3: Only for main body

**RL132**  
 Model No. NM-EJR5A, NM-EJR6A

## High-speed insertion at 0.14 s/component

- Lead V cut method enables the machine to insert radial lead components at a speed of 0.14 s/component.
- Either one of 2-pitch (2.5mm/5.0mm), 3-pitch (2.5mm/5.0mm/7.5mm) or 4-pitch (2.5mm/5.0mm/7.5mm/10.0mm) spec. can be selected for insertion pitch.

## Highly efficient production

- The fixed component feeder unit method and an out-of-component detection function allow component replenishment beforehand and long-term non-stop operation.
- Employing the dual-partitioned component supply method enables to select among from a connection mode, a preparation mode and an exchange mode. (80-type component specification only)
- A full-auto recovery function which automatically corrects insertion errors is provided so as to allow long-term non-stop operation.

## Highly efficient use of area

- Compact component supply method enables a reduction of area of occupation. (40-type component specification only, Reduction of about 40% for an original RL131 machine)  
Space saving installation and reduction of flow line allows high efficient production.

## Hole position offset method ensures high reliability

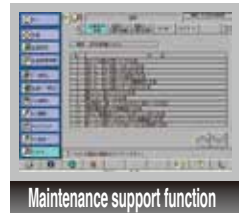
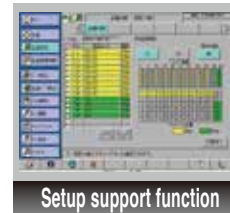
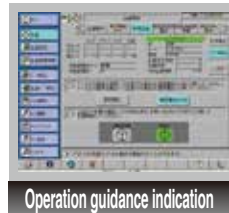
- Recognizing the positions of all the holes (two or three) in the insertion area, the machine corrects the component position based on the optimum insertion position calculated, ensuring reliable insertion.

## Reduction of running cost

- Expandable parts of the RL132 such as the Anvil blade, pusher rubber are compatible with those of the RHS2B and RL131.
- Operability, the data configuration and the XY table can be shared in any one of the Insertion machine series.  
The setup and maintenance operations are standardized.

## Operability enhancement

- Identical control panels are setup at the front side of the RL132 so that operability can be significantly improved. (Standard specification)
- Up to 200 types of programs can be stored. Data can be input to and output from high-capacity SD memory cards.
- NC data of our conventional equipment (RH series) can be used by the RL132.
- Setup support functions that display the component layout of the component supply unit on the screen are provided.
- Maintenance support functions that display information of regular maintenance time and operation content are provided.



## Global transformer incorporated

- Global transformer compatible with 220, 380, 400, 420, and 480 Voltages. No external transformer necessary.

## Enlargement function option

- Large-size PCB support option allows hole recognition and insertion up to PCB size of Max. 650 mm x 381 mm.
- 2 PCB transfer option can decrease PCB loading time by half and increase productivity.  
This is effective especially when insertion components are few.

## 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.



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