



**This radial THT-insertion machines RG131 and RG131-S increase and improve productivity, provide expanded board sizes and increasing component input.**

## RG131

The RG 131 is the successor of the RHSG. By supporting 3/4 pitches, expanding the range of board sizes and increasing component insertion rate, this high-density radial component insertion machine increases productivity. High speed insertion at a rate of between 0.25s and 0.6s per component can be achieved, even for large-size components with 3-pitch (2.5mm/5.0mm/7.5mm) or 4-pitch (2.5mm/5.0mm/7.5mm/10.0mm) configurations. A comprehensive self-correction function ensures high reliability. With large numbers of component supply and dual-partitioned component supply units, long-term operation can be obtained. A total of up to 80 types of components can be mounted. With large numbers of component supply and dual-partitioned component supply units, long-term operation can be achieved easily with the RG131. A total of up to 80 types of components can be mounted, with up to 32 (16 + 16) types of large components. The two separate component supply units enable components to be exchanged and replenished during operation. Panasonic offers also the RG131-S platform version with

### Key Features

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High speed insertion

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Self-correction function

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Up to 80 types of components

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Dual-partitioned component supply units



## RG131

<https://latam.connect.panasonic.com/pa/en/products/smart-factory-solutions/rg131>

|                               |                                                                                                                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Model Number</b>           | NM-EJR4A                                                                                                                                                                        |
| <b>PCB dimensions (mm)</b>    | L 50 x W 50 to L 508 x W 381                                                                                                                                                    |
| <b>Max Speed</b>              | 0.25 s/component to 0.6 s/component                                                                                                                                             |
| <b>No of components input</b> | 80 (Connection mode), 40 + 40 (Exchange mode)                                                                                                                                   |
| <b>Applicable components</b>  | Pitch 2.5 mm, 5.0 mm, 7.5 mm, 10.0 mm Height Hn=Max. 26 mm Diameter D=Max. 18 mm Resistor, Electrolytic capacitor, Ceramic capacitor, LED, Transistor, Filter, Resistor network |
| <b>PCB exchange</b>           | about 2 s to about 4 s (Room temperature 20°C)                                                                                                                                  |
| <b>Insertion direction</b>    | 4 directions (0 °, 90 °, -90 °, 180 °)                                                                                                                                          |
| <b>Electric Source</b>        | 3-phase AC 200 V, 3.5 kVA                                                                                                                                                       |
| <b>Pneumatic Source</b>       | 0.5 MPa, 80 L/min (A.N.R.)                                                                                                                                                      |
| <b>Dimension</b>              | W 3 200 x D 2 417 x H 1 620                                                                                                                                                     |
| <b>Mass</b>                   | 2 350 kg                                                                                                                                                                        |