



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

High speed insertion

Self-correction function

Up to 80 types of components

Dual-partitioned component supply units

RG131

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<https://eu.connect.panasonic.com/en/products/smart-factory/rg131>

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| Model Number | NM-EJR4A |
| PCB dimensions (mm) | L 50 x W 50 to L 508 x W 381 |
| Max Speed | 0.25 s/component to 0.6 s/component |
| No of components input | 80 (Connection mode), 40 + 40 (Exchange mode) |
| Applicable components | 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 |
| PCB exchange | about 2 s to about 4 s (Room temperature 20°C) |
| Insertion direction | 4 directions (0 °, 90 °, -90 °, 180 °) |
| Electric Source | 3-phase AC 200 V, 3.5 kVA |
| Pneumatic Source | 0.5 MPa, 80 L/min (A.N.R.) |
| Dimensions (mm) | W 3 200 x D 2 417 x H 1 620 |
| Mass | 2 350 kg |