



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 smaller footprint. Higher productivity expanding board size range and increasing component input.

Key Features

High speed insertion

Self-correction function

Up to 80 types of components

Dual-partitioned component supply units

RG131

<https://ap.connect.panasonic.com/p/h/en/rg131>

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.)
Dimension	W 3 200 x D 2 417 x H 1 620
Mass	2 350 kg