



The RL132 high-speed radial THT-insertion machine, with a cycle time of 0.14 s/component, offers outstanding technology in an efficient footprint.

RL132

The RL132 combines functionality and speed with an insertion rate up to 25,700cph (.14s/component), a board processing sizes up to 650 x 381mm, a 33% reduction in PCB transfer time, up to 18% reduction in electrical and air consumption per insertion and an improved parts lifespan for a very low cost of ownership. This through-hole machine features a 4-pitch span and is configurable with 40 or 80 components inputs. Meanwhile, its dual split carriage enables machine function at exchange mode and parts replenishment during production. The RL132 was designed for a non-stop productivity. The Lead V cut method enables the RL132 to insert radial lead components at a speed of 0.14s/component. Either a 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) option can be selected. The fixed feeder unit method and an out-of-component detection function allow ongoing component replenishment and long-term runs. PCB of 650mm x 381mm can be processed.

Key Features

Insertion rate up to 25,700cph (.14s/component)

Exchange mode and parts replenishment during production

Designed for a non-stop productivity

33% reduction in PCB transfer time

Improved parts lifespan for a very low cost of ownership

RL132

<https://ap.connect.panasonic.com/my/en/products/smart-factory/rl132>

Model Number	NM-EJR5A NM-EJR6A
PCB dimensions (mm)	L 50 x W 50 to L 508 x W 381
Max Speed	0.14 s/component
No of components input	NM-EJR5A: 40 NM-EJR6A: 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
PCB exchange	about 2 s to about 4 s (Room temperature 20 °C)
Insertion direction	360°direction by 1°increment
Electric Source	3-phase AC 200 V, 3.5 kVA
Pneumatic Source	0.5 MPa, 80 L/min (A.N.R.)
Dimensions	NM-EJR5A: W 2 104 x D 2 183 x H 1 575 NM-EJR6A: W 3 200 x D 2 417 x H 1 575
Mass	NM-EJR5A: 1 750 kg NM-EJR6A: 2 350 kg