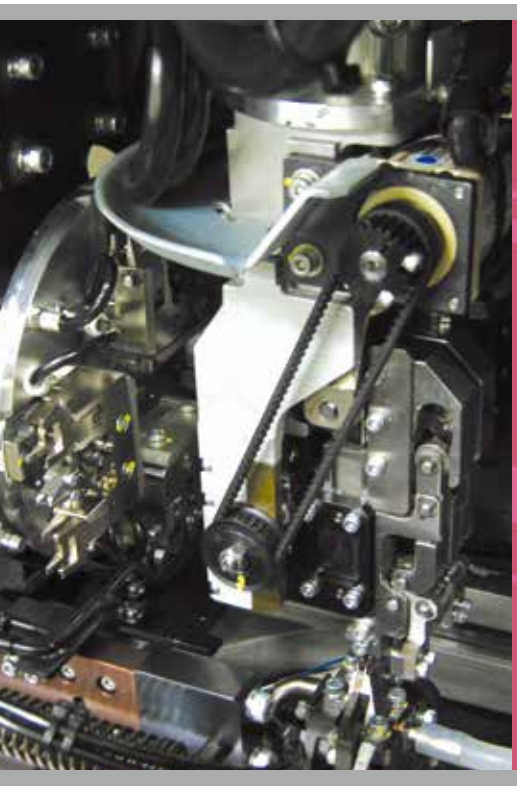
Panasonic
BUSINESS

2020

Electronics Assembly System catalog



Model No.NM-EJA5A

●High Speed Axial Lead Component Insertion Machine

•High speed insertion of 0.12 s/component, sequential component supply system and vertical automated feeder enable high productivity.

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

Model ID	AV132	
Model No.	NM-EJA6A	NM-EJA5A
PCB dimensions	L 50 ㎜ x W 50 ㎜ to L 508 ㎜ x W 381 ㎜	L 50 ㎜ x W 50 ㎜ to L 508 ㎜ x W 381 ㎜
Max. speed *1	0.12 s/component	0.12 s/component
No.of component inputs	40＋40＋JW (JW is optional)	40＋JW (JW is optional)
Applicable components	Resistors1/8 W,1/6 W,1/4 W,1/2 W, Jumper wire (tin-plated wire), Diodes, Cylindrical ceramic capacitor	Resistors1/8 W,1/6 W,1/4 W,1/2 W, Jumper wire (tin-plated wire), Diodes, Cylindrical ceramic capacitor
PCB exchange time	about 2.0 s	about 2.0 s
Insertion direction	4 directions (0 °, 90 °, 180 °, 270 °)	4 directions (0 °, 90 °, 180 °, 270 °)
Electric source *2	3-phase AC 200 V, 3.5 kVA	3-phase AC 200 V, 3.5 kVA
Pneumatic source	0.5 MPa, 200 L/min (A.N.R.)	0.5 MPa, 200 L/min (A.N.R.)
Dimensions	W 3 106 ㎜ x D 2 300 ㎜ x H 1 575 ㎜ *3	W 2 104 ㎜ x D 2 300 ㎜ x H 1 575 ㎜ *3
Mass *4	2 648 kg	2 228 kg

* Values such as maximum speed may vary depending on operating conditions.
* Please refer to the "Specification" booklet for details.
*1: On condition
*2: Compatible with 3-phase 220 / 380 / 400 / 420 / 480 V
*3: Excluding signal tower
*4: Only for main body

Model ID
AV132
Model No.NM-EJA5A, NM-EJA6A

Model ID **AV132**
Model No.NM-EJA5A, NM-EJA6A

0.12 s / component high speed insertion

- The high speed axial component insertion machine adopting sequential component supply system allow you to attain 0.12 s/ component and transfer speed of 2 s/ board.

Highly efficient production

- The fixed component feeder unit and the out-of-component detection feature allow you to replenish components beforehand for long-term non-stop operation.
- The fixed component supply unit allow you to splice while running equipment.
- The two-separate component supply unit offer selection of connection/preparation/exchange modes according to your production style. (80-type spec only)
  Preparation in advance (component setup) or equipment operation during component change-over now became possible for attaining higher operation rate.
- A full auto-recovery function is provided capable of handling insertion errors automatically for non-stop production for a long time.

High area productivity

- Area of occupation reduced through compact component supply unit. (AV132 80-type is 92% vs.AV131 120-type and AV132 40-type is 90% vs.AV131 60-type)
  Floor space saved and line of traffic minimized to achieve highly efficient production.

Enhanced reliability of component supply unit

- Newly developed vertical automatic feeder enhanced stability of component supply with reduced footprint.

Complete self-correction function ensures high reliability*

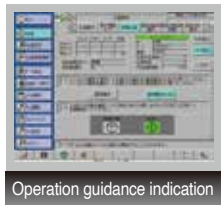
- Complete self-offset function covering the entire surface of the PC board ensures accurate insertion.

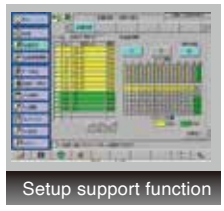
Reduction of running cost

- The AV132 has spare parts commonality with the AVK3 and AV131 such as service life expansion of the lead cutters by reversibilty.*
- Carbide is employed for the insertion guides;prolonging their service life as a result.*
- The transfer system,the XY table and the controller can be used in any one of the Insertion machine series.
  The setup and maintenance operations are standardized.

Operability enhancement*

- The liquid crystal touch panel is employed for the control panel and easy operation can be provided by the operation guidance indication.
  Japanese, English or Chinese can be selected by one touch operation as the language used for the screen displays.
- The new controller can store up to 200 types of programs. Data can be input to and output from high-capacity SD memory cards.
- NC data of our conventional equipment (the AV to the AV131) can be used by the AV132.
- 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.


Operation guidance indication


Setup support function


Maintenance support function

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.

AR-DCE (model No. NM-EJS4B) Data Creation & Editor System

- AR-DCE programming software can edit and optimize the program offline without affecting the machine operations.

*AV131 commonality specification

⚠ 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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Please check the homepage for the details.
panasonic.com/global/corporate/sustainability

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- Changes in specifications and appearance may be made without notice for product improvement.
- Homepage industrial.panasonic.com/ww/fa-jisso

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