



SMT
S O L I D

JUKI
JUKI AMERICA, INC.
ELECTRONIC ASSEMBLY SYSTEMS

JM-50

INSERTION

We offer complete SMT solutions with cutting-edge technology and specialized support.



MX 81-282-8092
US 10-791-8343





JM-50

MULTI-TASK PLATFORM

Very high quality reliable MI model with great value!

The JM-50 is JUKI's industry-leading manual insertion platform designed to meet the diverse needs of high-mix, low-volume production lines. With newly developed nozzles and feeders that simplify setup and expand component ranges, the JM-50 is built to deliver unmatched reliability, flexibility, and high productivity. Whether you're managing surface mount or through-hole components, the JM-50 ensures seamless operation while meeting a wide variety of production requirements.

JUKI JM-50 stands out as a trusted solution with industry-proven quality derived from a large install base. Featuring advanced hybrid SMT and through-hole placement capabilities, it handles larger boards and heavier components with ease. High-precision alignment technology, such as ball screw drives with linear encoders and laser sensors, guarantees accurate placement and superior performance. For manufacturers seeking a versatile and dependable system, the JM-50 is the ideal partner to optimize processes and achieve consistent results.

AUTOMATE INSERTION, ACCELERATE PRODUCTION



Takumi Head with Variable Height Laser

Effortless precision as the laser sensor adapts automatically to component height.



Revolutionary 3D Image Recognition

Measure every component bottom with unparalleled precision and accuracy.



On-the-Fly Lead Straightening

Minimize waste and eliminate insertion errors with real-time lead alignment.



Innovative 90-Degree Component Support

Form and insert components at the perfect angle with precision and ease.

SPECIFICATION

| ITEM | | JM-50 |
|----------------------------|-----------------|---------------------|
| Board size | Single clamping | 50x50mm~410x360mm |
| | Double clamping | 50x50mm~800x360mm |
| PCB weight | | 2kg |
| Component height | | 30mm |
| Component size | | 0603~ 50mm |
| Power supply | | 3-phase AC 200~415V |
| Apparent power | | 2.2 kVA |
| Circuit breaker | | Standard |
| Air consumption | | 8l/min |
| Conveyor height | | 900mm,950mm |
| Machine dimensions (WxDxH) | | 1,454x1,505x1,450mm |
| Mass (approximately) | | 1,300 kg |

Industrial solutions, innovation and precision.

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