Specifications

Model			Multitask Platform JM-10		Multitask Platform JM-20		
Item			M-size board	L-size board	L -sized board	X L -sized board	
Deard Cine	Single Clamp		4 1 0 × 2 5 0 mm	4 1 0 × 3 6 0 mm	4 1 0 × 3 6 0 mm	4 1 0 × 5 6 0 mm	
Board Size	Double Clamp		-		8 0 0 × 3 6 0 mm	8 0 0 × 5 6 0 mm	
PCB Weight			Max. 2 kg		Max. 4 kg		
Component Height	2 8 mm		0		0		
	5 5 mm		-		0		
Component Size	Laser recognition		0603~□33.5mm		0 6 0 3~□ 5 0 mm		
	Vision recognition ^{#1}	54mm view camera	□ 3 mm~□ 3 3.5 mm		□ 3 mm~□ 5 0 mm		
		27mm view camera	1005~□24mm		1 0 0 5 ~ 🗆 2 4 mm		
Insertion Speed	Vacuum (JU	K I Condition) ³¹²	0.8 sec/part ^{3/3}		0.8 sec/part 3334		
Placement Speed (SMT)	Chip (Optimal)		1 7,5 0 0 CPH ^{≥3}		1 5,5 0 0 CPH ^{⊗3⊗4}		
	IC		4,1 0 0 CPH ^{™3}		4,2 0 0 CPH ^{⊮3⊛4}		
Placement Accuracy	Laser recognition		±0.05mm (3σ)		±0.05mm (±30)		
(SMT)	Vision recognition ^{#1}		±0.04mm		± 0.0 4 mm		
Power supply			2 0 0 to 4 1 5 VAC 3-phase		2 0 0 to 4 1 5 VAC 3-phase		
Apparent power			1.8 KVA		2.0 kVA		
Circuit breaker			0		0		
Operation air pressure			0.5±0.05 Mpa		0.5±0.05 MPa		
Air consumption			5 0 L/min		5 0 L/min		
Vacuum pump			0		0		
950mm conveyor height ^{×1}			0		0		
Machine dimension (W×D×H) 355			1,455×1,295×1,460mm		1,500×1,657×1,550mm	1,500×1,89 2 ×1,550mm	
Mass (Approximately)			1,000kg		1,760kg	1,985kg	

x1 Optional specification. x2 Under JUKI condition (Component type: aluminum electrolytic capacitor (φ8 mm), Supply device: MRF-S x 2; Two points simultaneous pick x 3 times/cycle (6 nozzles), Axis speed: Default value for component type "Insertion component" "INS electrolytic capacitor (JM-20 only". x3 Excludes time for PWB conveyance and mark recognition. x4For component height 28mm. x5 Dimensions of machine described are for conveyor height 900mm.

Options

	Multitask	Platform	Multitask Platform JM-20		
	JM-	-10			
	M-size board	L-size board	L -sized board	X L-sized board	
Check nozzle base **1		-	•		
C-ATC (ATC for Chuck nozzle)		-	•		
Rear side operation unit		-	•		
Conveyor extension 250mm			•		
Conveyor guide 100mm		•	-		
Main line filter		•	•		
Conveyor height 950mm		•	•		
Placement Force Control			•		
Vision centering System (54 mm view camera)		•	•		
Vision centering System (27 mm view camera)		•	•		
SMT feeder version bank(Selectable Front and/or Rear)			•		
SMT connector bracket		-	•		
MI Line Optimizer ³²		•	•		
Lead correction jig ³³		•	•		
DFFP camera		•	•		
Production management information output function		•	•		

%1 For using chuck nozzle, separate custom parts will be required.
 %2 This option is available for line control optimization.
 %3 Please contact us for detailed specifications

Feeder capacity^{***}

	Tape feeder in case of 8mm tape	Radial	feeder	Axial 1	Feeder	Stick	Bowl Feeder	Tray ^{%2%4}		
		MRF-S	MRF-L	MAF-S	MAF-L	Feeder	MBF-L	Tray Holder (full)	MTS (TR5)	MTS (TR7DN)
JM-10	60	20	14	16	12	12	2	1	1 **5	-
JM-20	80	26	20	22	16	16	2	2	1	1

JUKI ECO PRODUCTS

%1 Customization possible.
%2 Please contact our sales person for tray specification detail.
%3 Max applicable number of same feeders (Front & Rear total).

4 Applicable only on rear side. 5 For M-size board only.



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nt, design, sale

*Please refer to the product specifications for details JUKI Specifications and appearance may be changed without notice. Mar-2017/Rev.12

The JM-20 is an eco-friendly product which complies with JUK ECO PRODUCTS standards for protecting the environment.

Multi Task Platform

JM-10 JM-20



Ultra flexible machine for everything from SMT to odd form through hole







Higher quality and labor savings by automating manual insertion





Compact model for applications with smaller components





Advanced model for larger/heavier components and larger boards

Laser sensor for lead detection

The laser sensor is ideal for lead tip detection leading to improved insertion process

Components are rotated 360 degrees in the laser. The entire outline of the component is measured accurately by a high resolution CCD sensor. The exact component position and angle are obtained in a fraction of a second without a side trip to a camera. After measuring the component body, the lead tips are measured to ensure accurate insertion.



New vision recognition method called DFFP can precisely recognize lead tips for greater flexibility. Component such as DIMM and PCI connectors, and large automotive parts are supported.



Large connecto

Wide variety of feeder types*

Feeders for tape, stick, radial, axial, tray, and bulk components. A wide variety of custom feeders are also available



Aluminum capacitors in radial tape can be cut and formed for a 90 degree lead bend, saving manual labor.



DFFP unit

PCI

※ Feeders can be customized for specific compo

Lead Correction Unit

Leads that are not within tolerance to be inserted can be corrected using the Lead Correction Unit to prevent watsted component.

