

Compact Assembly Tool
CAST-AS4

JANOME

ROBO KIDS!



3 axis (X, Y, Z)



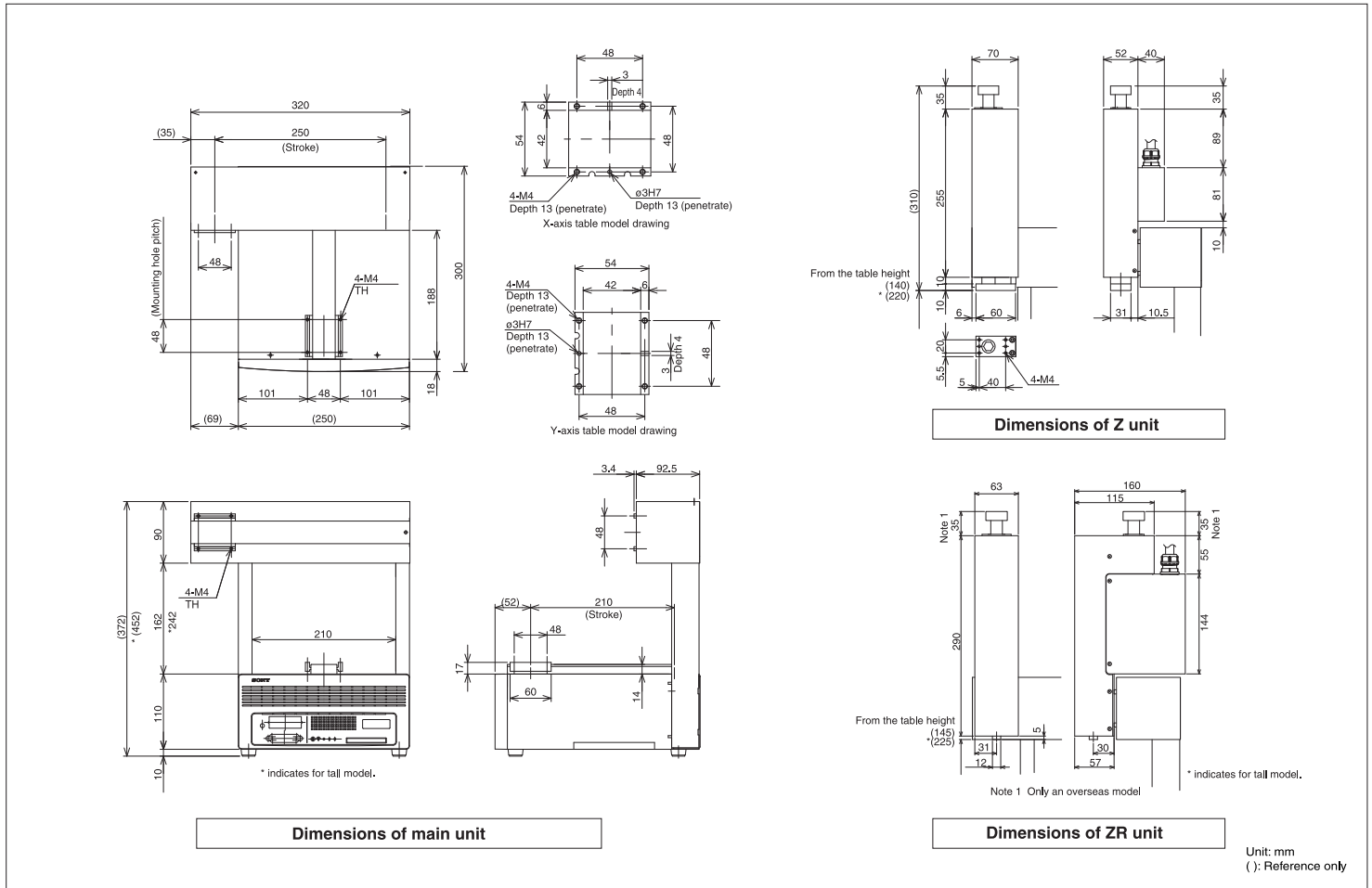
4 axis (X, Y, Z, R)

ROBO KIDS

Big on functionality, small in size!!

- Maximum speed of 600 mm/s (X-axis, Y-axis)
- Positioning repeatability of ± 0.01 mm (X-axis, Y-axis)
- Maximum carrying weight of 7 kg (X-axis, Y-axis)
- Mechanism prevents parts falling off at Y-axis slide

Janome Sewing Machine Co., Ltd.



Specifications

Base machine	
Motion range ¹	X-axis 250 mm
	Y-axis 210 mm
Maximum speed ²	X-axis 600 mm/sec
	Y-axis 600 mm/sec
Positioning repeatability ²	X-axis ± 0.01 mm
	Y-axis ± 0.01 mm
Maximum carrying weight	X-axis 7 kg
	Y-axis 7 kg
Work environment	Temperature 0 - 40 °C
	Humidity 35 - 90%
Mass	Approx. 14 kg

Control			
Drive system	Pulse motor (open-loop control)	Multi-task (full open)	LUNA tasks: 9 (1 motion task, 8 peripheral tasks) System task: 1 PLC task: 1
Motion system	PTP, CP		
Number of control axes	2-axis simultaneous control (maximum 4-axis simultaneous control) ³	Serial I/F	RS232C: 1 multiple-use system
Control speed ²	6 - 600 mm/sec (with CP control: 0.1-100 mm/sec)		
Interpolation function	3D linear interpolation, 3D circular arc interpolation ³	Built-in PLC function	Program system: Boolean algebra format Motion conditions: Independent from Basic ROBOKIDS motions I/O: User I/O employed
Teaching systems	- Direct teaching by a teaching pendant (optional) - Off-line teaching by PC (optional)		
Input/output points	22 points per I/O ⁴	Power supply	AC 100 - 120 V ± 10% AC 200 - 240 V ± 10%
Program capacity	Full-open: 176 Kbyte total RK card: Maximum 20 work programs		
Point data memory capacity	Full-open: 3,072 points per program RK card: 2,500 points		
Program system	Full-open: Robot Language LUNA RK card: Standard software supplied		

¹ Since the stroke specifications are for the individual X-axis or Y-axis, they do not indicate the work object size.

² Partially limited to satisfy performance. See the operation manual for details.

³ When using a Z unit (optional) or ZR unit (optional).

⁴ The allocated input and output are set for the I/O in advance. See the operation manual for details.

⚠ Safety Notice: For your safety, please read the operation manual carefully before using the product.

● Specifications and appearance are subject to change without prior notice.

Janome Sewing Machine Co., Ltd.

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