

■ Specifications

Model		JSG4030	JSG6050
Axis-type		3-Axes/4-Axes	
Operation Range	X-Axis	400mm	600mm
	Y-Axis	300mm	500mm
	Z-Axis	150mm	150mm
Maximum Portable Weight		8kg	
Maximum Speed	X-Axis	1200mm/sec	
	Y-Axis	1200mm/sec	
	Z-Axis	400mm/sec	
Repeatability	X-Axis	±0.015mm	
	Y-Axis	±0.015mm	
	Z-Axis	±0.015mm	
Position Detection		Absolute Encoder	
Control Method		PTP (Point to Point) Drive, CP (Continuous Path) Drive	
Interpolating Function		3-Dimensional Line and Arc Interpolation	
Teaching Method		Direct/JOG/MDI	
Programming Language		JR C-Points (Enhanced Version of JR Points Software)	
Programming Capacity		255 Programs, 30,000 Points Total	
External Interface	(Input/Output)	Input 37/40 (6-Relay Contact)	
	RS232C	3 Ports	
	Interlock	For Interlock Signal Input	
Tool Piping & Wiring		Wiring: 14, Piping: φ4X4	
Sequencer Function		100 Programs	
Load Error Detection		Depends on Servomotor Driver	
Error Detection		Self-Diagnosis Function	
Power Supply		AC180-250V (Single Phase)	
Power Capacity		650VA	
Ambient Temperature		0~40°C	
Relative Humidity		20 – 90 % (Non Condensing)	
External Dimensions	Robot Body (excluding the hose pipe)	W830xD730xH490mm	W1030xD930xH490mm
	Control Box	W490xD368xH248	
Weight (Body+Control Box)		47kg	55kg

○ Repeatability was measured at a constant temperature.
 ○ Repeatability is guaranteed when the same conditions and movement are repeated
 ○ Repeatability is measured according to JISB8432-1993 (ISO9283-1990) standard.
 ○ Maximum speed cannot be achieved under the maximum portable weight setting.
 ○ Continuous operation cannot be achieved at the maximum cycle time.

● JSG Series specifications may be modified without prior notice to improve quality.



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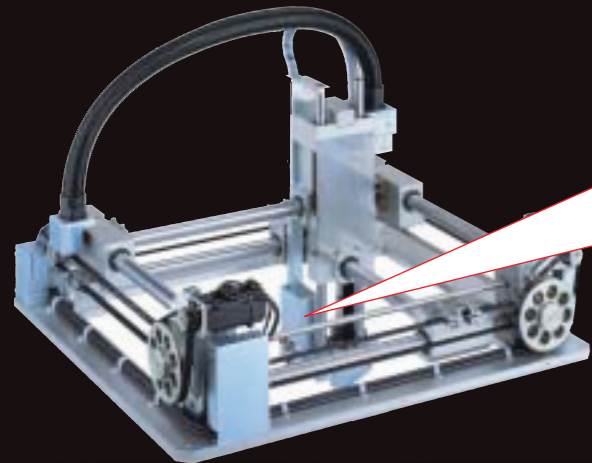
NEW MULTIPURPOSE GANTRY ROBOT

JSG Series

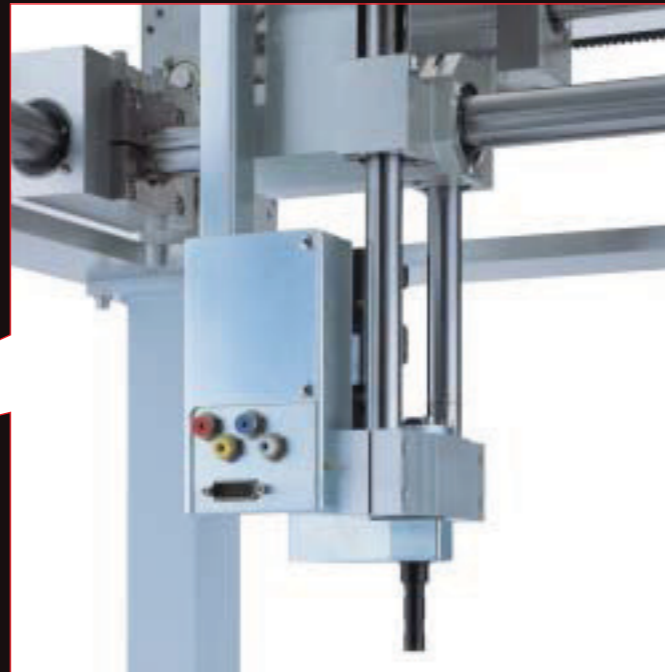
JSG Series Flexible Overhead Positioning System Robot

Featuring a Flexible Overhead Positioning System, the JSG Series robots are powered by servomotor and are ideal in both in-line and cell production.

Features
All operations are carried out from above eliminating concerning about workpiece weight.



Robot Body



Enlarged View of the Tool (e.g. 4-Axes Spec)

Controller



PC (RS-232C)

External Devices (Sequencer, etc.)

With easy teaching and flexibility, the JSG Series will meet your requirements in cell and in-line production.

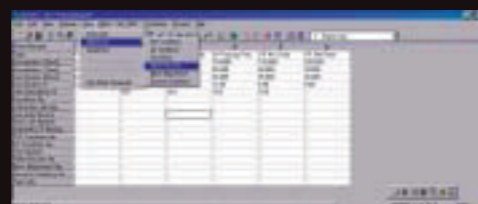
Applications include screw-tightening and dispensing, among others.

Screw Tightening Condition 1	
Type	Full Tightening
Thread Pitch	0.5 mm
Rotate Speed	600 rpm
Screw Length	8 mm
Check Precision	Normal
Float Amount	0.5 mm
Time after tighten	0.5 sec
Feeder ESC	NO
Point of Feeding	

Screw Tightening Condition Entry Screen

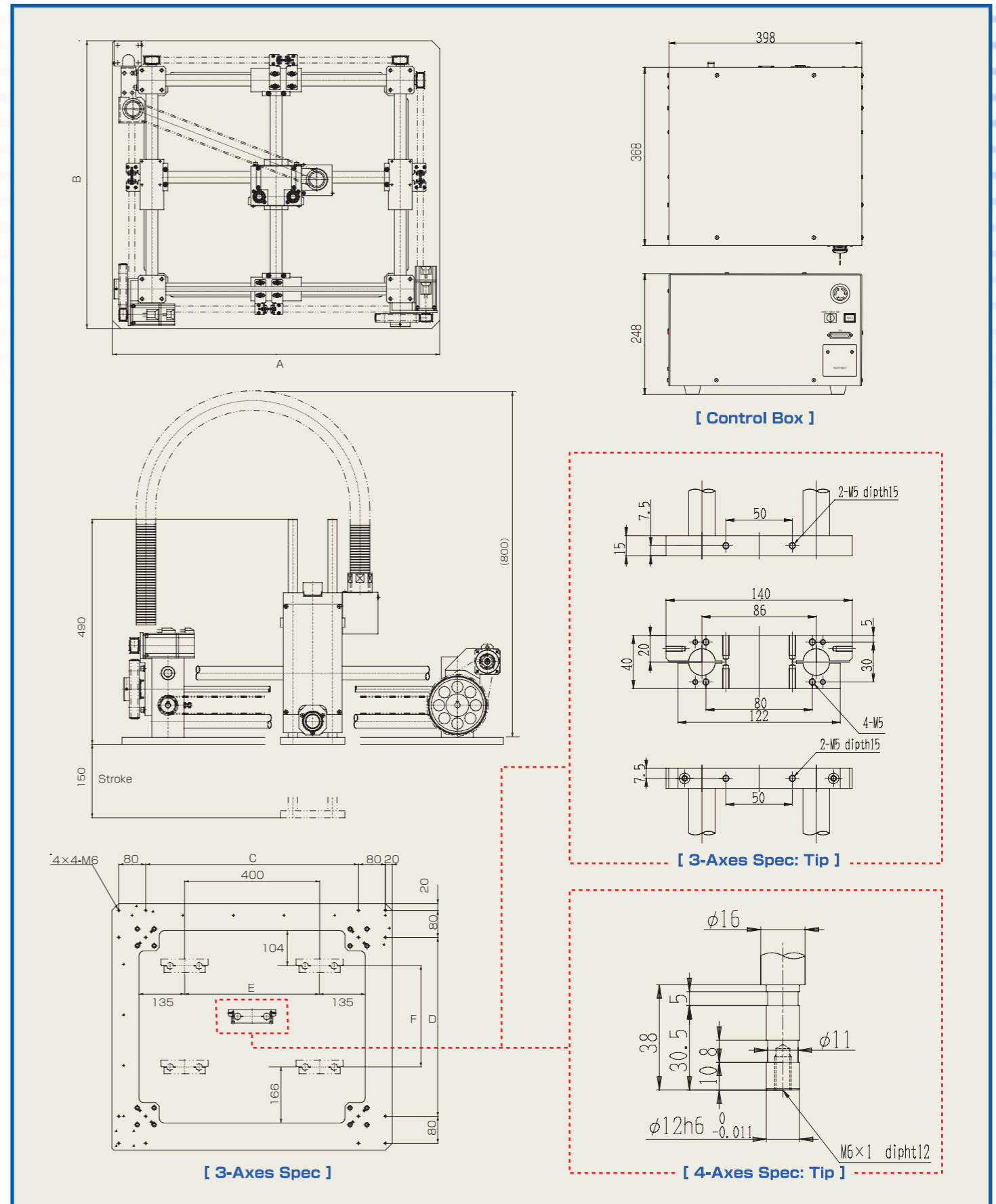
PC Software "JR C-Points" (Optional)

Simple teaching is combined with an enhanced robot language and customizing function that allows you to create your own original programs.



Teaching Pendant (Optional)

External Dimensions



	A	B	C	D	E	F
JSG 4030	830	730	630	530	400	300
JSG 6050	1030	930	830	730	600	500