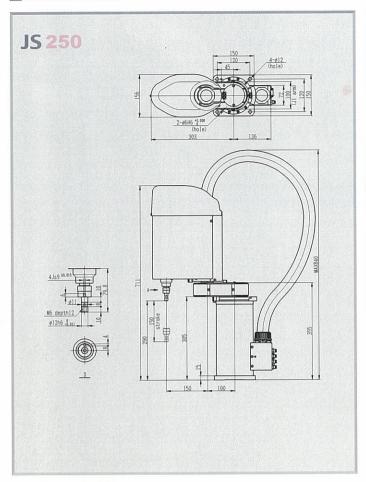
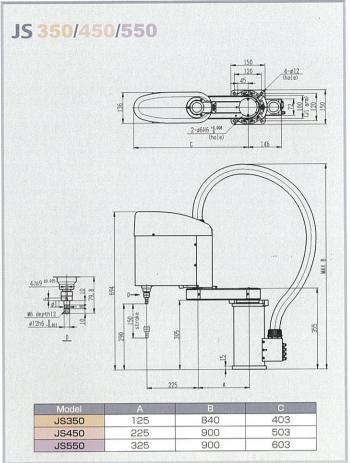
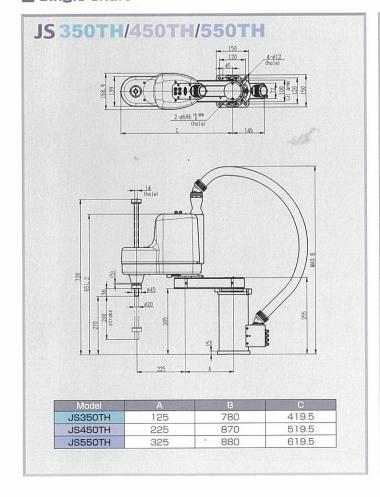


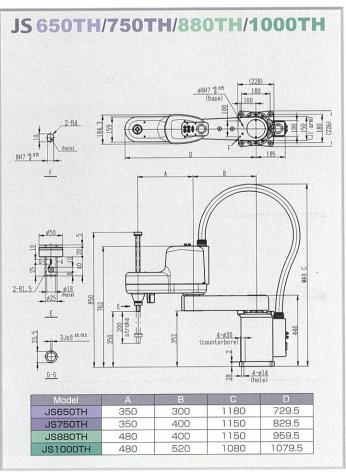
Double shaft





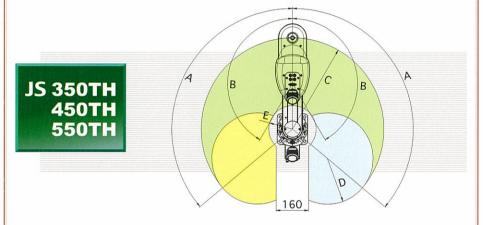
Single shaft



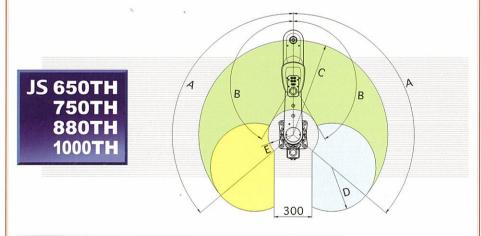


JS 250

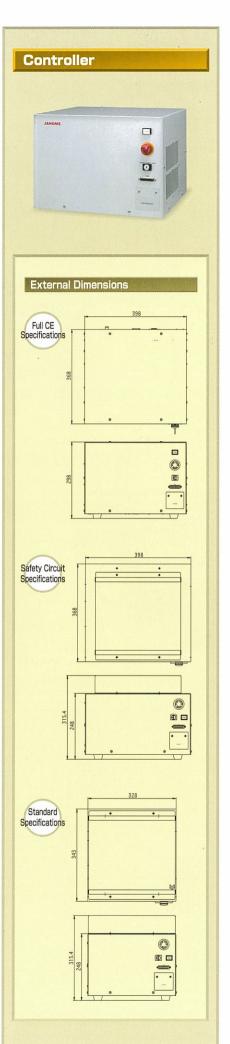
MODEL	Α	В	С	D	E	Z stroke
JS250	130°	130°	R250	R150	R89	
JS350 (CL)			R350		R132	1.50
JS450 (CL)		150°	R450	R225	R116	150
JS550(CL)			R550		R172	



MODEL	Α	В	С	D	E	Z stroke
JS350TH			R350		R132	
JS450TH	130°	150°	R450	R225	R116	200
JS550TH			R550	A. 50, 50, 100, 50, 50, 50	R172	



MODEL	Α	В	С	D	E	Z stroke
JS650TH	130°	150°	R650	R350	R175	200
JS750TH			R750	H300	R200	
JS880TH		160°	R880	R480	R172	
JS1000TH		100	R1000	N460	R178	



JS series



■JS series Specifications

Item		JS250	JS350	JS450	JS550				
Axis Type			4 (synchron	ous control)					
AXIS Type	J1 Arm	100mm	125mm	225mm	325mm				
Arm Length	J2 Arm	150mm	225mm	225mm	225mm				
	J1+J2	250mm	350mm	450mm	550mm				
	J1 Arm	±130°	±130°	±130°	±130°				
Operation Range	J2 Arm	±145°	±150°	±150°	±150°				
	Z-Axis	150mm	150mm	150mm	150mm				
	R-Axis	±360°	±360°	±360°	±360°				
		4kg	6kg	6kg	6kg				
Maximum Portab			0.1kg·m²	0.1kg·m²	0.1kg·m²				
Acceptable Mom		0.1kg·m²	6,300mm/sec	5,600mm/sec	6,200mm/sec				
	J1 and J2 (combined)	4,200mm/sec	1.850mm/sec	1,850mm/sec	1.850mm/sec				
Maximum Speed*1		1,400mm/sec	1,900°/sec	1,900°/sec	1.900°/sec				
	R-Axis	1,750°/sec	±0.01mm	±0.015mm	±0.015mm				
	X- and Y-Axis	±0.01mm	±0.01mm ±0.01mm	±0.013mm	±0.01mm				
Repeatability*2	Z-Axis	±0.01mm		±0.01°	±0.01°				
	R-Axis	±0.01°	±0.01°	0.39sec	0.41sec				
	When carrying 1kg of workpiece	0.39sec	0.38sec	28kg	29kg				
Machine Weight		27kg	27kg		LONG				
Control Box Weig	ght		20	Kg					
Drive Method		AC servomotor							
Control Method		PTP (Point to Point) control, CP (Continuous Path) control							
Interpolating Function		3-Dimensional Line and Arc Interpolation							
Position Detection		Absolute Encoder							
Teaching Method		Remote Teaching (JOG) / Manual Data Input (MDI) / Direct Teaching JANOME's original software JR C-Points: Simple and broad-use teaching system							
		JANOME's original software JR C-Pe	pints: Simple and broad-use teaching	system					
		Simple: Easy teaching just by registering positions and parameters							
Teaching System	n	Optional system programs are available for basic operations and various applications."							
		Broad-use: User-oriented programming including I/O control using point job commands							
		Programming by teaching pendant (optional)							
Teaching Patter	n	Off line teaching using optional JR C-Points (PC software) via PC							
		On line teaching using optional JR C-Points (PC software) via PC							
Programming Ca	apacity	255 programs							
Data Memory Ca		Maximum 30,000 points							
Simple Sequence		Maximum 1,000 steps							
Olimpic Ocquerio		RS422 1ch (for teaching pendant)							
External Serial In	nterface	RS232C 1ch (for PC: COM1)							
LAternal Genal II	Iteriace	RS232C 2ch (for external devices: COM2, COM3)							
		/O-SYS Input: 15 / Output: 14							
External Input/Output*5		7/0-1 Input: 18 / Output: 22 (4-relay contact)							
External input/O	utput	7/O-H Input: 4 / Output: 4 (2-relay contact)							
Teel Wising and	Dining	14 wires for signals, 4 air pipes; 04							
Tool Wiring and	Lihing	14 Wites 101 signals, 4 all pipes, 44 AC180~250V (single phase)							
Power Supply		950VA		1.050VA					
Power Capacity	Author Torres			* 18 To 700 Milliones					
Working Ambience	e Ambient Temperature Relative Humidity								
	nelative numidity	20~90% (non-condensing)							

- *1: Measured on a machine with regenerative resistors. Maximum speed cannot be achieved under the maximum portable weight setting.
- *2: Repeatability was measured at a constant temperature, so absolute precision is not guaranteed.
- *3: Measured on a machine with regenerative resistors. Continuous operation cannot be achieved at the maximum cycle time.

 *4: The point data capacity will be reduced if the additional function data setting / point job data / sequencer data increases, due to the shared data storage area.
- *5: NPN / PNP can be chosen before shipment.
- The specifications may be modified without prior notice to improve quality.

JSTH series



■JSTH series Specifications

Model Item		JS350TH	JS450TH	JS550TH	JS650TH	JS750TH	JS880TH	JS1000TH		
Axis Type		4 (synchronous control)								
	J1 Arm	125mm	225mm	325mm	300mm	400mm	400mm	520mm		
Arm Length	J2 Arm	225mm	225mm	225mm	350mm	350mm	480mm	480mm		
	J1+J2	350mm	450mm	550mm	650mm	750mm	880mm	1000mm		
	J1 Arm	±130°	±130°	±130°	±130°	±130°	±130°	±130°		
	J2 Arm	±150°	±150°	±150°	±150°	±150°	±160°	±160°		
Operation Range	Z-Axis	200mm	200mm	200mm	200mm	200mm	200mm	200mm		
	R-Axis	±360°	±360°	±360°	±360°	±360°	±360°	±360°		
Maximum Portable		6kg	6kg	6kg	20kg	20kg	20kg	20kg		
Acceptable Mome		0.1kg·m²	0.1 kg·m²	0.1kg·m²	0.2kg·m²	0.2kg·m²	0.2kg·m²	0.2kg·m²		
, lead place the the	J1 and J2 (combined)	6.300mm/sec	5.600mm/sec	6.200mm/sec	6,700mm/sec	7.200mm/sec	6,500mm/sec	7.000mm/sec		
Maximum Speed*1	Z-Axis	1.800mm/sec	1.800mm/sec	1,800mm/sec	2.000mm/sec	2.000mm/sec	2,000mm/sec	2.000mm/sec		
Waximam opeca	R-Axis	1,900°/sec	1.900°/sec	1,900°/sec	1,800°/sec	1,800°/sec	1,800°/sec	1,800°/sec		
	X- and Y-Axis	±0.01mm	±0.015mm	±0.015mm	±0.02mm	±0.02mm	±0.025mm	±0.025mm		
Repeatability*2	Z-Axis	±0.01mm	±0.015mm	±0.015mm	±0.02mm	±0.0211111	±0.02511111	±0.02511111		
nepeatability	R-Axis	±0.0111111	±0.011	±0.01°	±0.01min	±0.0111111	±0.01"	±0.0111111		
		±0.01	±0.01	±0.01	±0.01	±0.01	±0.01	±0.01		
Standard Cycle Time ¹³	When carrying 1kg of workpiece When carrying 2kg of workpiece									
	when carrying axig or workpiece	0.43sec	0.45sec	0.43sec	0.44sec	0.46sec	0.47sec	0.50sec		
Machine Weight		30kg	31kg	32kg	65kg	67kg	68kg	70kg		
Control Box Weigh	nt		20kg			27	Kg			
Drive Method		AC servomotor								
Control Method			control, CP (Continue	ous Path) control						
Interpolating Fund		3-Dimensional Line	and Arc Interpolation							
Position Detectio		Absolute Encoder								
Teaching Method		Remote Teaching (JOG) /Manual Data Input (MDI) /Direct Teaching								
		JANOME's original software JR C-Points: Simple and broad-use teaching system								
Teaching System		Simple: Easy teaching just by registering positions and parameters								
rodermig oyetem		Optional system programs are available for basic operations and various applications.								
		●Broad-use: User-oriented programming including I/O control using point job commands								
		Programming by teaching pendant (optional)								
Teaching Pattern		●Off line teaching using optional JR C-Points (PC software) via PC								
		●On line teaching using optional JR C-Points (PC software) via PC								
Programming Cap		255 programs								
Data Memory Cap	acity*4	Maximum 30,000 po	oints							
Simple Sequences		Maximum 1,000 ste	ps					1. 1		
		RS422 1ch (for teaching pendant)								
External Serial Int	erface	RS232C 1ch (for PC: COM1)								
		RS232C 2ch (for external devices: COM2, COM3)								
External Input/Output ⁻⁵		I/O-SYS Input:15/Output:14								
		I/O-1 Input:18/Output:22 (4-relay contact)								
		I/O-H Input;4/Output;4(2-relay contact)								
Tool Wiring and P	iping	14 wires for signals, 4 air pipes: Φ4 14 wires for signals, 4 air pipes: Φ6								
Power Supply		AC180~250V (single phase)								
Power Canacity		1.050\/4								
IN IN A IN	Ambient Temperature	0~400								
Working Ambience	Relative Humidity	20~90% (non-condensing)								
NO 100 TO	10.00				d under the maximu					

^{*1:} Measured on a machine with regenerative resistors. Maximum speed cannot be achieved under the maximum portable weight setting.

^{*2:} Repeatability was measured at a constant temperature, so absolute precision is not guaranteed.

*3: Measured on a machine with regenerative resistors. Continuous operation cannot be achieved at the maximum cycle time.

*4: The point data capacity will be reduced if the additional function data setting/point job data/sequencer data increases, due to the shared data storage area.

*5: NPN/PNP can be chosen before shipment.

The specifications may be modified without prior notice to improve quality.

Clean Room Type Models JS250CL / JS350CL / JS450CL

Clean Class 10 (0.3 µm) *Specifications

- ① The special airtight structure and the vacuuming system minimize dust inside the robot.
- ② Special external conductive coating prevents static electricity.
- ③ Low dust grease is used for the Z-axis spline and ball screw; also, the Z axis is covered by a special antistatic accordion hose.
- The robot's body (without the control box) can be used in both the clean room and regular environments.

What's Clean Class 10?

Clean Class 10 is defined by Federal Standard 209D as a particulate count that shall not exceed a total of 10 particles of a size of $0.5\mu m$ or greater per cubic foot of air.

Cleanliness	Class 10 (Federal Standard 209D)
Ventilator Diameter	Internal Diameter of Vent Pipe:Ф19
Outlet flow	180NL/min (11Nm³/h)

*Common to the robot body and control box





Janome Sewing Machine Co., Ltd.

Industrial Automation Systems Division 1934 Hazama-machi, Hachioji-shi, Tokyo 193-0941 JAPAN Tel: +81 426 61 6301, Fax: +81 426 61 6302

URL: http://www.janome.co.jp/industrial.html E-mail: j-industry@gm.janome.co.jp Distributor

ООО "Евроинтех" 109387, Россия, Москва, ул. Летняя, д. 6 Телефон/факс: +7-(495)-749-45-78 E-mail: sales@eurointech.ru

http://www.eurointech.ru