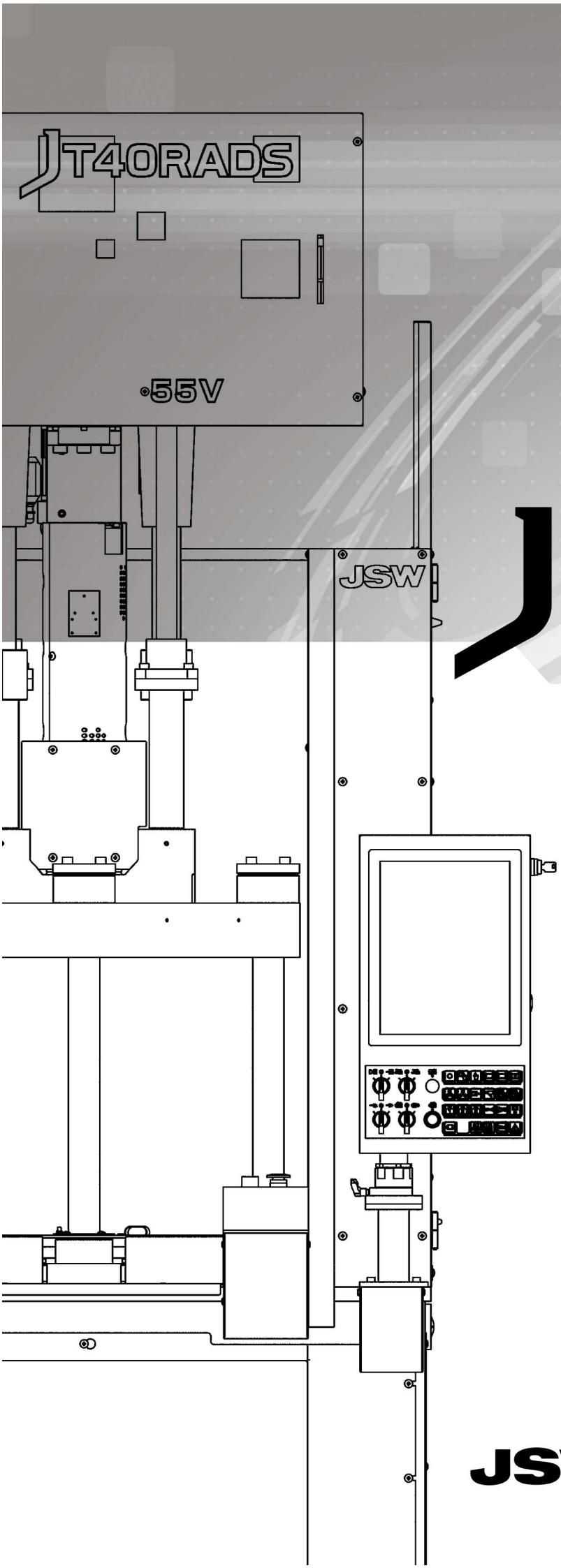


JTADS SERIES

All Electric Servo Drive Vertical Type Injection Molding Machine

JT20RADS

JT40RADS

JT70RADS

JT100RADS

JT150RADS

JT220RADS

Performance Table

Made in HIROSHIMA

JST ENGINEERING CO.,LTD.

78/6 MOO 7 KING KAEW RD., RACHATEWA,
BANGPLEE, SAMUTPRAKARN 10540 THAILAND.

TEL: +66 (0) 2738 5050-4
FAX: +66 (0) 2738 5055
E-mail: info@jst.co.th
URL: www.jst.co.th
LINE ID: @jst.co.th
www.facebook.com/jst.co.th

JSW

ISO 9001
ISO 14001
JQA-QMA13993
JQA-EM6416 (Hiroshima Plant)

JT20RADS

Performance Table

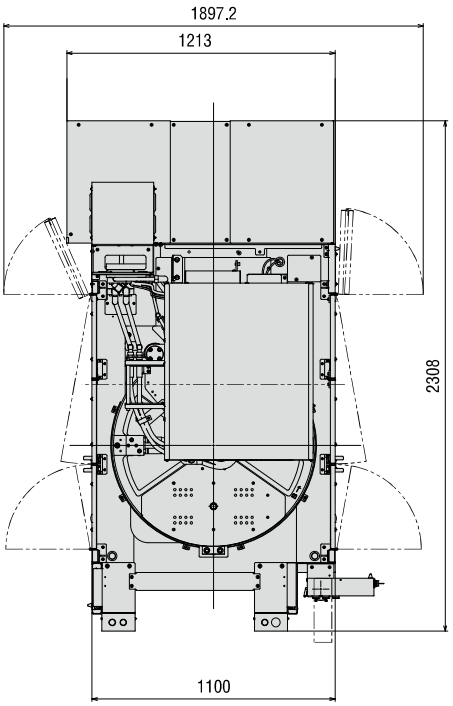
Unit	Item		Model	JT20RADS					
				20 V			55 V		
Injection Unit	Screw Diameter		mm	18	20	22	25	28	32
	Screw Stroke		mm	65			90		
	Theoretical Injection Capacity		cm^3	17	20	25	44	55	72
	Injection Capacity (GP-PS)		g	16	19	24	42	52	68
	Standard	Injection Pressure (Max.)	MPa	222	180	149	226	180	138
			kgf/cm^2	2260	1840	1520	2300	1840	1410
		Holding Pressure (Max.)	MPa	200	162	134	203	162	124
			kgf/cm^2	2040	1650	1370	2070	1650	1260
		Injection Speed	mm/s	300			270		
		Injection Rate	cm^3/s	76	94	114	133	166	217
	High-speed (HS) OP	Injection Pressure (Max.)	MPa	247	200	165	–	–	–
			kgf/cm^2	2520	2040	1680	–	–	–
		Holding Pressure (Max.)	MPa	222	180	149	–	–	–
			kgf/cm^2	2260	1840	1520	–	–	–
		Injection Speed	mm/s	550			–		
		Injection Rate	cm^3/s	140	173	209	–	–	–
	Plasticizing Rate (GP-PS)		kg/h	14	18	22	20	25	30
	Screw Speed		min^{-1}	500			350		
	Nozzle Touch Force		kN	15			15		
			tf	1.5			1.5		
	Nozzle Stroke from Platen		mm	20			20		
	Type of Nozzle		–	KC Nozzle (Tip Type)			KC Nozzle (Tip Type)		
	Barrel Temperature Control		–	Barrel 3, Nozzle 2			Barrel 3, Nozzle 2		
	Heater Wattage		kW	3.1			5.5		
Clamping Unit	Mechanism		–	Double Toggle					
	Clamping Force		kN	196					
			tf	20					
	Daylight Opening (Max.)		mm	430					
	Movable Platen Stroke		mm	200					
	Mold Height	Min.	mm	150					
		Max.	mm	230					
	Mold Size	Width	mm	308					
		Depth	mm	308					
	Mold Weight (Max.)	Lower	kg	150 × 2					
		Upper	kg	80					
	Ejector Force		kN	18					
			tf	1.8					
	Ejector Stroke		mm	40					
	Ejector Point		–	1 Point					
	Table Outside Diameter		mm	912					
	Locating Ring Diameter		mm	100					
General	Machine Dimensions (L x W)		m	2.31 × 1.22					
	Machine Height		m	2.52			2.71		
	Machine Height (HS)		m	2.52			–		
	Machine Weight		t	2.6			2.7		
	Machine Weight (HS)		t	2.6			–		
	Table Height		mm	795					

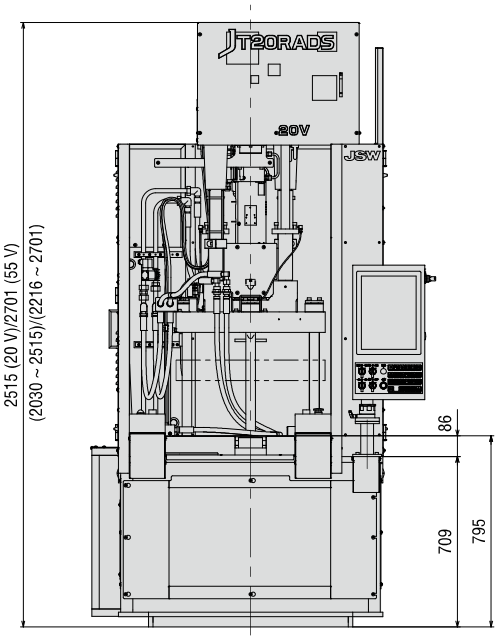
1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4 The plasticizing rate is applicable for GP-PS.
5 PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.
6 High speed injection are optional.
7 1 MPa=10.2 kgf/cm^2,1 kN=0.102 tf
8 Mold size (Max.) is square. Please contact us if it exceeds this dimension in a rectangle etc.
9 Mold weight is included setup devices weight.
10 Due to continual improvements, specifications are subject to change without notice.

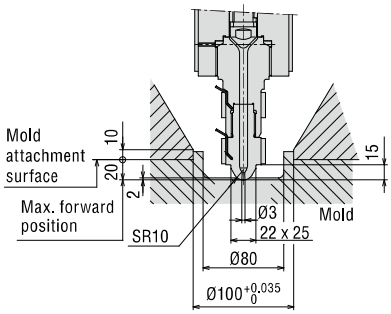
JT20RADS

JTADS SERIES
All Electric Servo Drive Vertical Type Injection Molding Machine

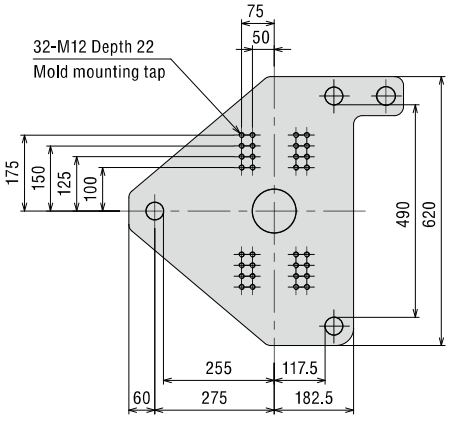
Equipment Dimensions and Mold Related Dimension



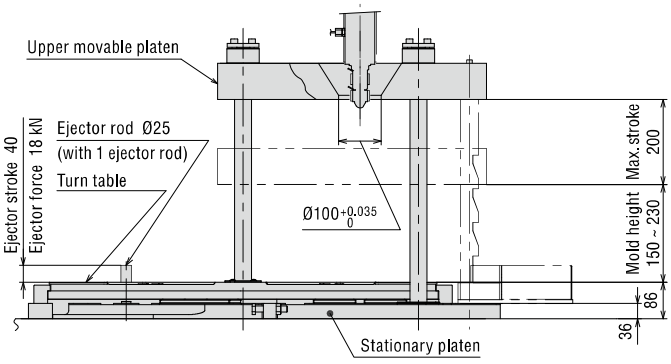


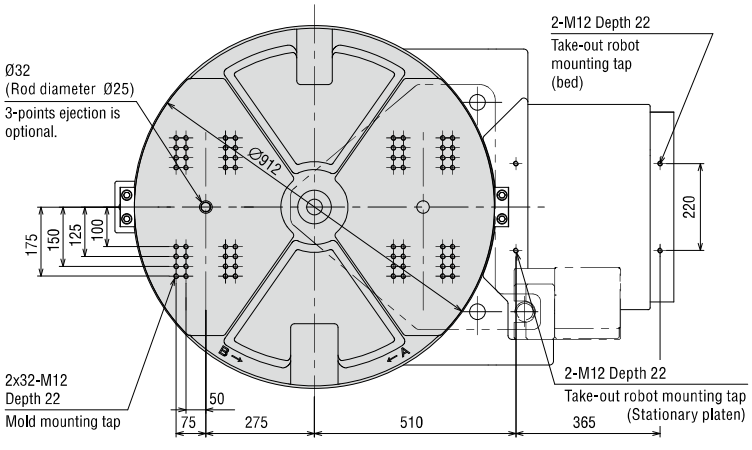


20 V/55 V



Upper movable platen





Turn table

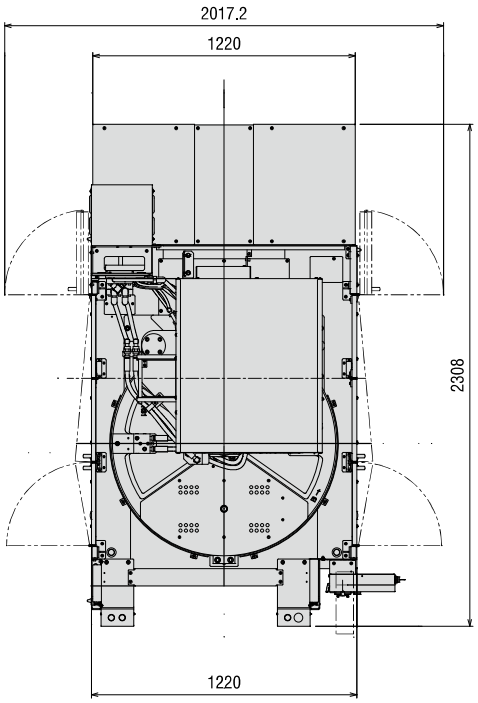
JT40RADS

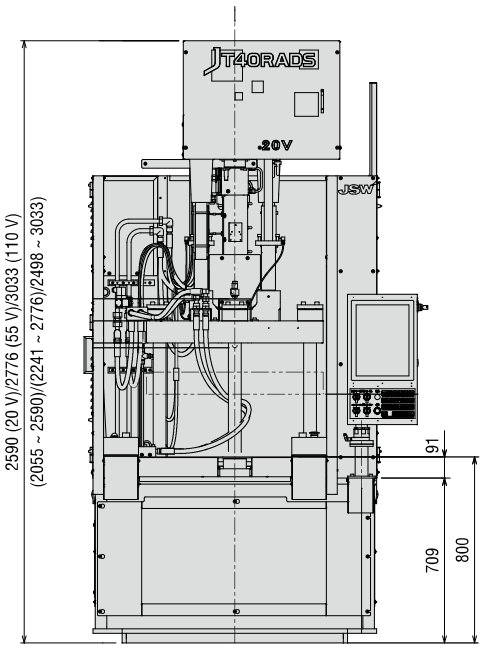
Performance Table

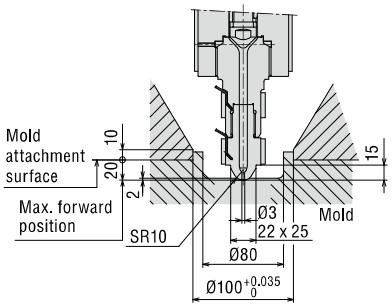
Unit	Item			Model	JT40RADS								
					20 V			55 V			110 V		
Injection Unit	Screw Diameter			mm	18	20	22	25	28	32	32	35	40
	Screw Stroke			mm	65			90			110		
	Theoretical Injection Capacity			cm^3	17	20	25	44	55	72	88	106	138
	Injection Capacity (GP-PS)			g	16	19	24	42	52	68	84	101	131
	Standard	Injection Pressure (Max.)		MPa	222	180	149	226	180	138	215	180	138
				kgf/cm^2	2260	1840	1520	2300	1840	1410	2190	1840	1410
		Holding Pressure (Max.)		MPa	200	162	134	203	162	124	194	162	124
				kgf/cm^2	2040	1650	1370	2070	1650	1260	1980	1650	1260
		Injection Speed		mm/s	300			270			160		
		Injection Rate		cm^3/s	76	94	114	133	166	217	129	154	201
	High-speed (HS) OP	Injection Pressure (Max.)		MPa	247	200	165	251	200	153	–	–	–
				kgf/cm^2	2520	2040	1680	2560	2040	1560	–	–	–
		Holding Pressure (Max.)		MPa	222	180	149	226	180	138	–	–	–
				kgf/cm^2	2260	1840	1520	2300	1840	1410	–	–	–
		Injection Speed		mm/s	550			500			–		
		Injection Rate		cm^3/s	140	173	209	245	308	402	–	–	–
	Plasticizing Rate (GP-PS)			kg/h	14	18	22	20	25	30	30	40	50
	Screw Speed			min^{-1}	500			350			300		
	Nozzle Touch Force			kN	15			15			15		
				tf	1.5			1.5			1.5		
	Nozzle Stroke from Platen			mm	20			20			20		
	Type of Nozzle			–	KC Nozzle (Tip Type)			KC Nozzle (Tip Type)			KC Nozzle (Tip Type)		
	Barrel Temperature Control			–	Barrel 3, Nozzle 2			Barrel 3, Nozzle 2			Barrel 4, Nozzle 1		
	Heater Wattage			kW	3.1			5.5			8.1		
Clamping Unit	Mechanism			–	Double Toggle								
	Clamping Force			kN	392								
				tf	40								
	Daylight Opening (Max.)			mm	490								
	Movable Platen Stroke			mm	220								
	Mold Height		Min.	mm	170								
			Max.	mm	270								
	Mold Size		Width	mm	365								
			Depth	mm	365								
	Mold Weight (Max.)		Lower	kg	225 × 2								
			Upper	kg	150								
	Ejector Force			kN	18								
				tf	1.8								
	Ejector Stroke			mm	40								
	Ejector Point			–	1 Point								
	Table Outside Diameter			mm	1032								
	Locating Ring Diameter			mm	100								
General	Machine Dimensions (L x W)			m	2.31 × 1.22								
	Machine Height			m	2.59			2.78			3.04		
	Machine Height (HS)			m	2.59			2.78			–		
	Machine Weight			t	3.0			3.1			3.4		
	Machine Weight (HS)			t	3.0			3.1			–		
	Table Height			mm	800								

1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4 The plasticizing rate is applicable for GP-PS.
5 PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.
6 High speed injection are optional.
7 1 MPa=10.2 kgf/cm^2,1 kN=0.102 tf
8 Mold size (Max.) is square. Please contact us if it exceeds this dimension in a rectangle etc.
9 Mold weight is included setup devices weight.
10 Due to continual improvements, specifications are subject to change without notice.

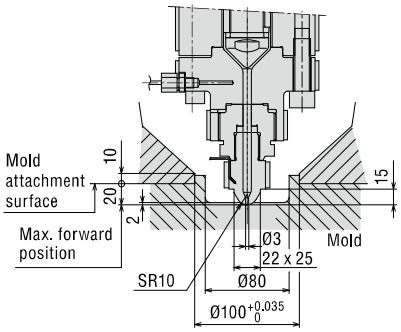
Equipment Dimensions and Mold Related Dimension



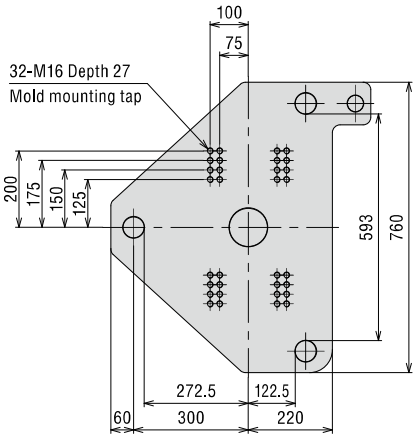




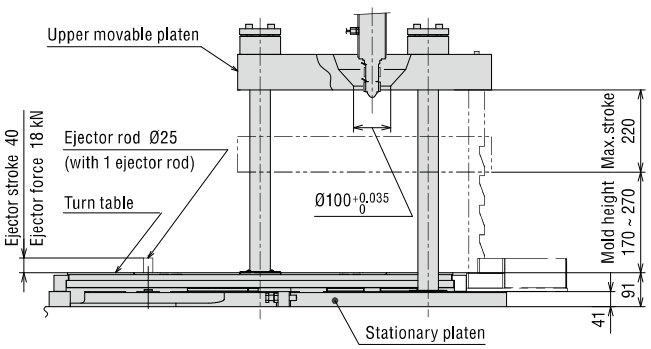
20 V/55 V

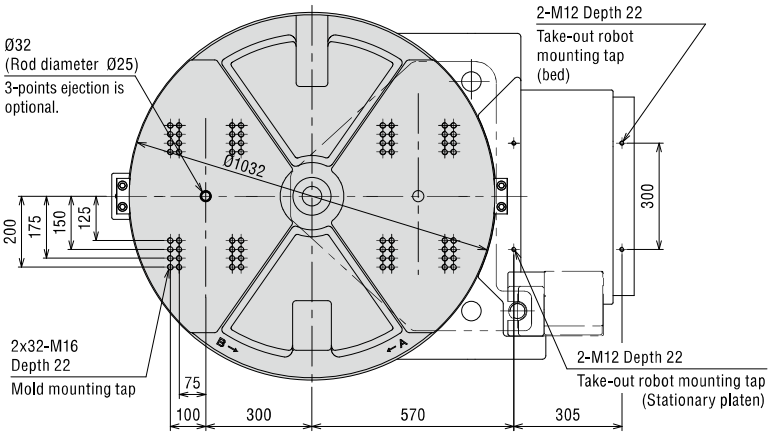


110 V



Upper movable platen





Turn table

JT70RADS

Performance Table

Unit	Item		Model	JT70RADS					
				55 V			110 V		
Injection Unit	Screw Diameter		mm	25	28	32	32	35	40
	Screw Stroke		mm	90			110		
	Theoretical Injection Capacity		cm^3	44	55	72	88	106	138
	Injection Capacity (GP-PS)		g	42	52	68	84	101	131
	Standard	Injection Pressure (Max.)	MPa	226	180	138	215	180	138
			kgf/cm^2	2300	1840	1410	2190	1840	1410
		Holding Pressure (Max.)	MPa	203	162	124	194	162	124
			kgf/cm^2	2070	1650	1260	1980	1650	1260
		Injection Speed	mm/s	270			160		
		Injection Rate	cm^3/s	133	166	217	129	154	201
	High-speed (HS) OP	Injection Pressure (Max.)	MPa	251	200	153	239	200	153
			kgf/cm^2	2560	2040	1560	2440	2040	1560
		Holding Pressure (Max.)	MPa	226	180	138	215	180	138
			kgf/cm^2	2300	1840	1410	2190	1840	1410
		Injection Speed	mm/s	500			350		
		Injection Rate	cm^3/s	245	308	402	281	337	440
	Plasticizing Rate (GP-PS)		kg/h	20	25	30	30	40	50
	Screw Speed		min^{-1}	350			300		
	Nozzle Touch Force		kN	15			15		
			tf	1.5			1.5		
	Nozzle Stroke from Platen		mm	20			20		
	Type of Nozzle		–	KC Nozzle (Tip Type)			KC Nozzle (Tip Type)		
	Barrel Temperature Control		–	Barrel 3, Nozzle 2			Barrel 4, Nozzle 1		
	Heater Wattage		kW	5.5			8.1		
Clamping Unit	Mechanism		–	Double Toggle					
	Clamping Force		kN	686					
			tf	70					
	Daylight Opening (Max.)		mm	550					
	Movable Platen Stroke		mm	250					
	Mold Height	Min.	mm	200					
		Max.	mm	300					
	Mold Size	Width	mm	430					
		Depth	mm	430					
	Mold Weight (Max.)	Lower	kg	300 × 2					
		Upper	kg	200					
	Ejector Force		kN	26					
			tf	2.7					
	Ejector Stroke		mm	60					
	Ejector Point		–	1 Point					
	Table Outside Diameter		mm	1200					
	Locating Ring Diameter		mm	100					
General	Machine Dimensions (L x W)		m	2.53 × 1.40					
	Machine Height		m	3.04			3.30		
	Machine Height (HS)		m	3.04			3.30		
	Machine Weight		t	3.9			4.2		
	Machine Weight (HS)		t	3.9			4.2		
	Table Height		mm	971					

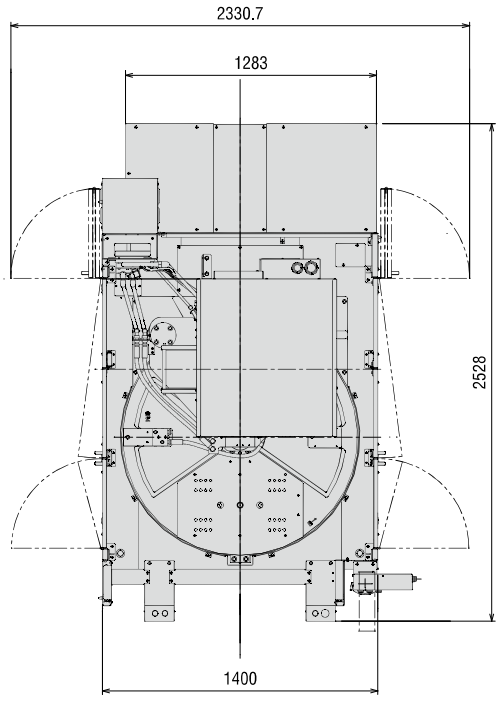
1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4 The plasticizing rate is applicable for GP-PS.
5 PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.
6 High speed injection are optional.
7 1 MPa=10.2 kgf/cm^2,1 kN=0.102 tf
8 Mold size (Max.) is square. Please contact us if it exceeds this dimension in a rectangle etc.
9 Mold weight is included setup devices weight.
10 Due to continual improvements, specifications are subject to change without notice.

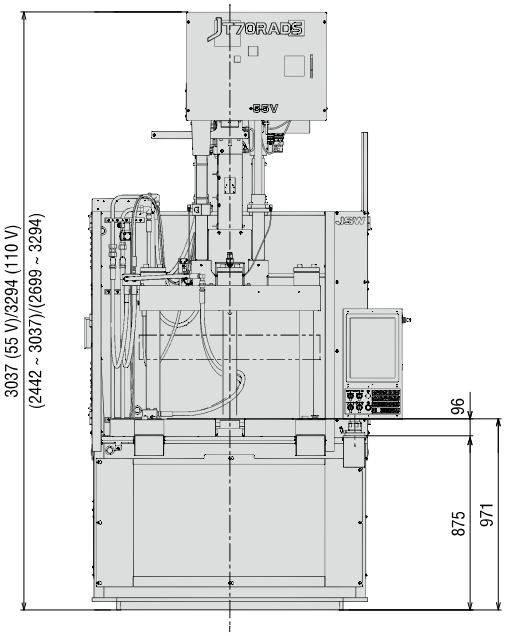
JSW

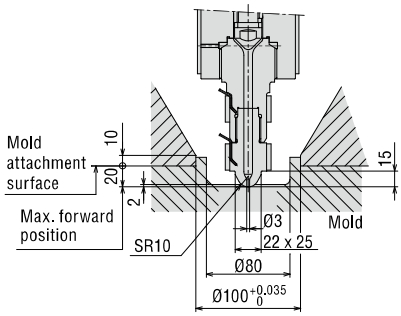
JT70RADS

JTADS SERIES
All Electric Servo Drive Vertical Type Injection Molding Machine

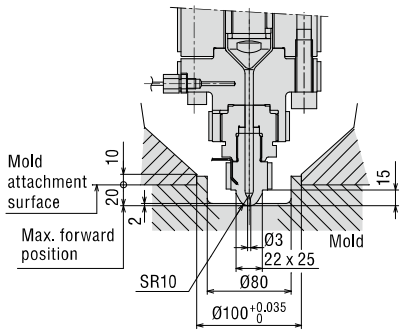
Equipment Dimensions and Mold Related Dimension



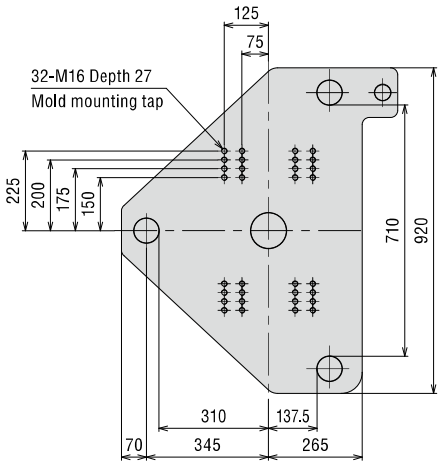




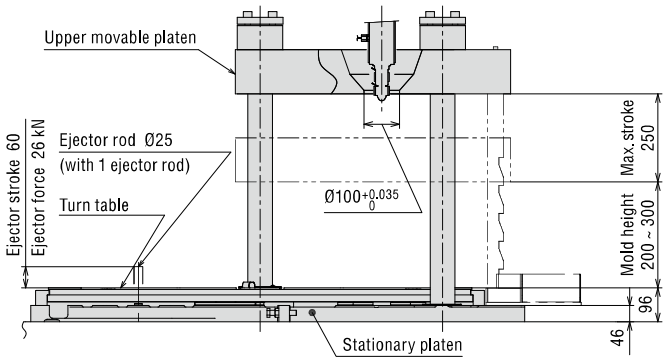
55 V

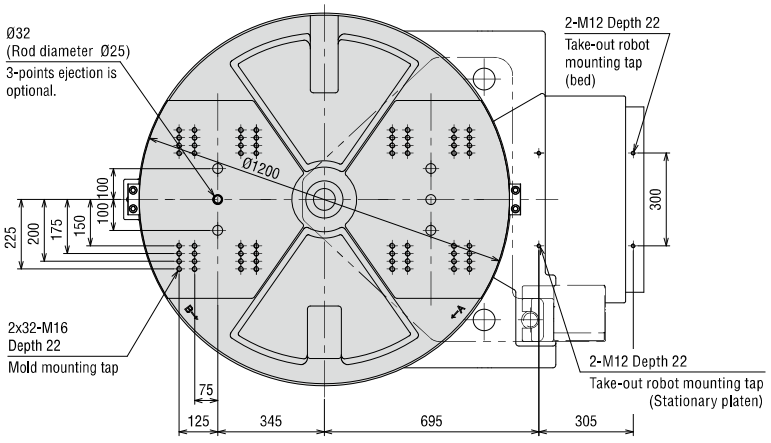


110 V



Upper movable platen





Turn table

JSW

JT100RADS

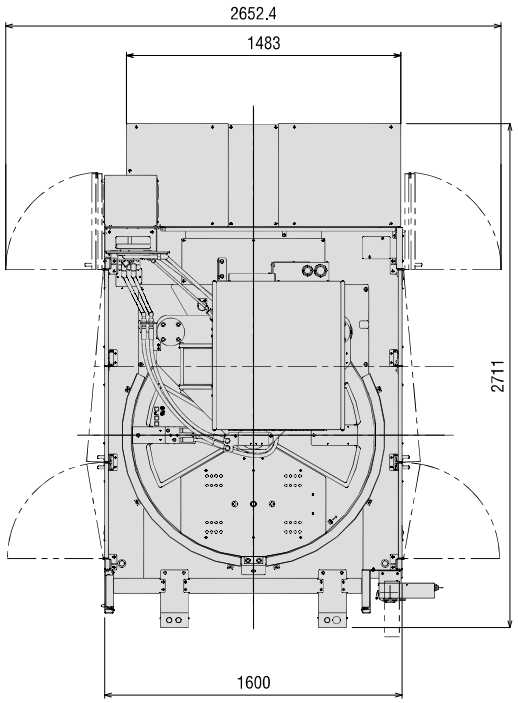
Performance Table

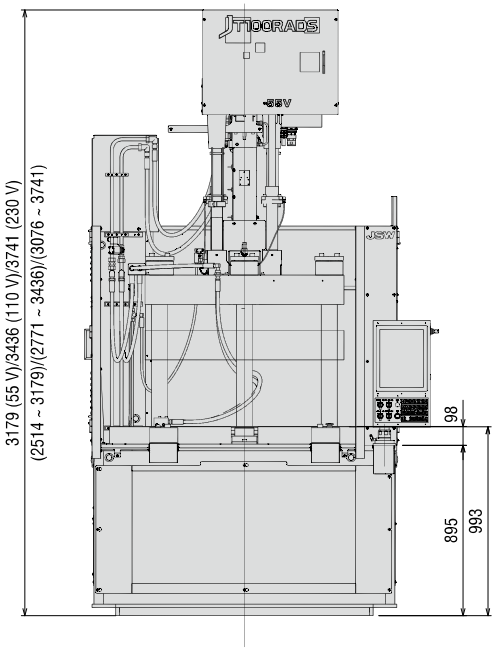
Unit	Item			Model	JT100RADS								
					55 V			110 V			230 V		
Injection Unit	Screw Diameter			mm	25	28	32	32	35	40	40	45	50
	Screw Stroke			mm	90			110			145		
	Theoretical Injection Capacity			cm^3	44	55	72	88	106	138	182	231	285
	Injection Capacity (GP-PS)			g	42	52	68	84	101	131	173	219	271
	Standard	Injection Pressure (Max.)		MPa	226	180	138	215	180	138	228	180	146
				kgf/cm^2	2300	1840	1410	2190	1840	1410	2320	1840	1490
		Holding Pressure (Max.)		MPa	203	162	124	194	162	124	205	162	131
				kgf/cm^2	2070	1650	1260	1980	1650	1260	2090	1650	1340
		Injection Speed		mm/s	270			160			160		
		Injection Rate		cm^3/s	133	166	217	129	154	201	201	254	314
	High-speed (HS) OP	Injection Pressure (Max.)		MPa	251	200	153	239	200	153	–	–	–
				kgf/cm^2	2560	2040	1560	2440	2040	1560	–	–	–
		Holding Pressure (Max.)		MPa	226	180	138	215	180	138	–	–	–
				kgf/cm^2	2300	1840	1410	2190	1840	1410	–	–	–
		Injection Speed		mm/s	500			350			–		
		Injection Rate		cm^3/s	245	308	402	281	337	440	–	–	–
	Plasticizing Rate (GP-PS)			kg/h	20	25	30	30	40	50	60	76	88
	Screw Speed			min^{-1}	350			300			250		
	Nozzle Touch Force			kN	15			15			15		
				tf	1.5			1.5			1.5		
	Nozzle Stroke from Platen			mm	20			20			20		
	Type of Nozzle			–	KC Nozzle (Tip Type)			KC Nozzle (Tip Type)			KC Nozzle (Tip Type)		
	Barrel Temperature Control			–	Barrel 3, Nozzle 2			Barrel 4, Nozzle 1			Barrel 4, Nozzle 1		
	Heater Wattage			kW	5.5			8.1			12.6		
Clamping Unit	Mechanism			–	Double Toggle								
	Clamping Force			kN	981								
				tf	100								
	Daylight Opening (Max.)			mm	640								
	Movable Platen Stroke			mm	290								
	Mold Height		Min.	mm	250								
			Max.	mm	350								
	Mold Size		Width	mm	479 / 513 (Option)								
			Depth	mm	479 / 513 (Option)								
	Mold Weight (Max.)		Lower	kg	400 × 2								
			Upper	kg	300								
	Ejector Force			kN	26								
				tf	2.7								
	Ejector Stroke			mm	60								
	Ejector Point			–	1 Point								
	Table Outside Diameter			mm	1310 / 1400 (Option)								
	Locating Ring Diameter			mm	100								
General	Machine Dimensions (L x W)			m	2.72 × 1.60								
	Machine Height			m	3.18			3.44			3.75		
	Machine Height (HS)			m	3.18			3.44			–		
	Machine Weight			t	4.7			5.0			5.5		
	Machine Weight (HS)			t	4.7			5.0			–		
	Table Height			mm	993								

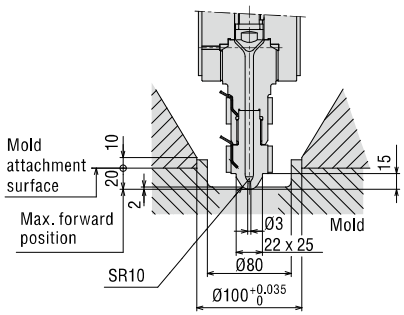
1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4 The plasticizing rate is applicable for GP-PS.
5 PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.
6 High speed injection are optional.
7 1 MPa=10.2 kgf/cm^2,1 kN=0.102 tf
8 Mold size (Max.) is square. Please contact us if it exceeds this dimension in a rectangle etc.
9 Mold weight is included setup devices weight.
10 Due to continual improvements, specifications are subject to change without notice.

JSW

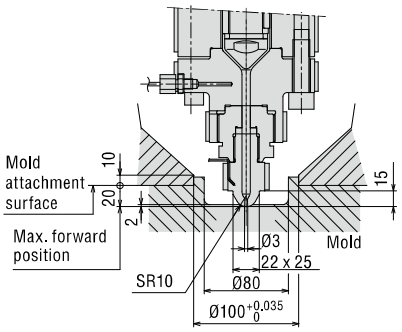
Equipment Dimensions and Mold Related Dimension



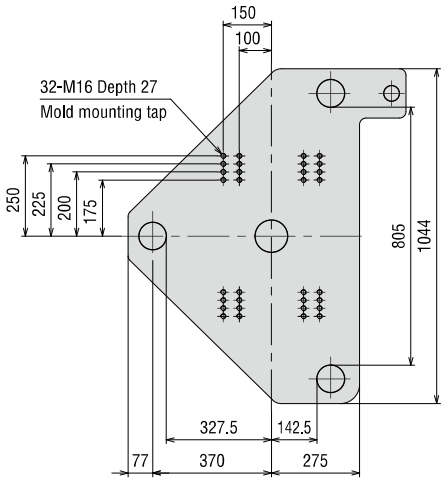




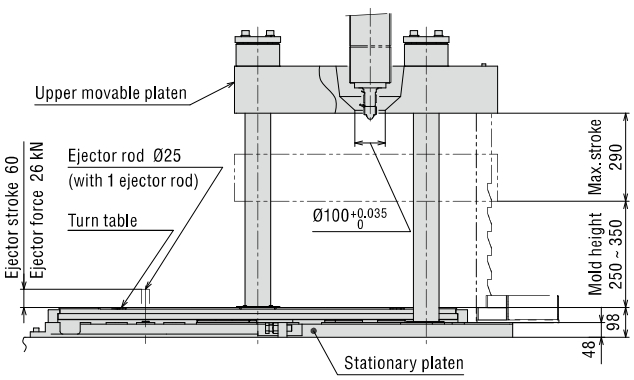
55 V

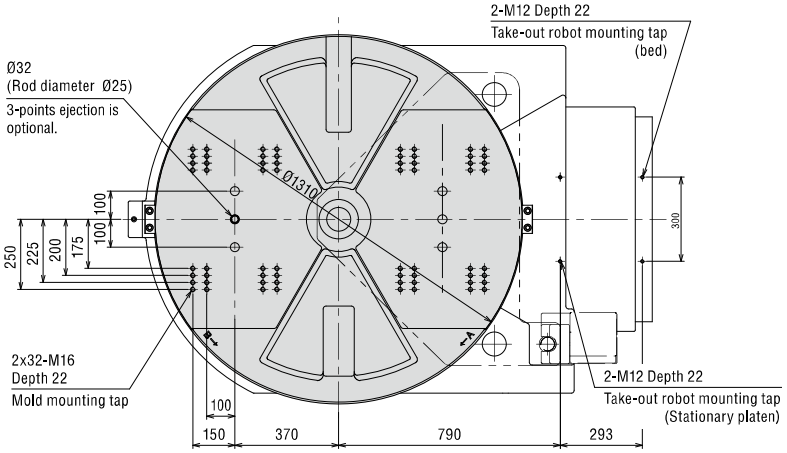


110 V/230 V



Upper movable platen





Turn table

JT150RADS

Performance Table

Unit	Item			Model	JT150RADS					
					110 V			230 V		
Injection Unit	Screw Diameter			mm	32	35	40	40	45	50
	Screw Stroke			mm	110			145		
	Theoretical Injection Capacity			cm^3	88	106	138	182	231	285
	Injection Capacity (GP-PS)			g	84	101	131	173	219	271
	Standard	Injection Pressure (Max.)		MPa	215	180	138	228	180	146
				kgf/cm^2	2190	1840	1410	2320	1840	1490
		Holding Pressure (Max.)		MPa	194	162	124	205	162	131
				kgf/cm^2	1980	1650	1260	2090	1650	1340
		Injection speed		mm/s	160			160		
		Injection Rate		cm^3/s	129	154	201	201	254	314
	High-speed (HS) OP	Injection Pressure (Max.)		MPa	239	200	153	228	180	146
				kgf/cm^2	2440	2040	1560	2320	1840	1490
		Holding Pressure (Max.)		MPa	215	180	138	205	162	131
				kgf/cm^2	2190	1840	1410	2090	1650	1340
		Injection Speed		mm/s	350			330		
		Injection Rate		cm^3/s	281	337	440	415	525	648
	Plasticizing Rate (GP-PS)			kg/h	30	40	50	60	76	88
	Screw Speed			min^{-1}	300			250		
	Nozzle Touch Force			kN	15			15		
				tf	1.5			1.5		
	Nozzle Stroke from Platen			mm	20			20		
	Type of Nozzle			–	KC Nozzle (Tip Type)			KC Nozzle (Tip Type)		
	Barrel Temperature Control			–	Barrel 4, Nozzle 1			Barrel 4, Nozzle 1		
	Heater Wattage			kW	8.1			12.6		
Clamping Unit	Mechanism			–	Double Toggle					
	Clamping Force			kN	1471					
				tf	150					
	Daylight Opening (Max.)			mm	710					
	Movable Platen Stroke			mm	310					
	Mold Height		Min.	mm	300					
			Max.	mm	400					
	Mold Size		Width	mm	525 / 566 (Option)					
			Depth	mm	525 / 566 (Option)					
	Mold Weight (Max.)		Lower	kg	500 × 2					
			Upper	kg	400					
	Ejector Force			kN	26					
				tf	2.7					
	Ejector Stroke			mm	60					
	Ejector Point			–	1 Point					
	Table Outside Diameter			mm	1490 / 1600 (Option)					
	Locating Ring Diameter			mm	100					
General	Machine Dimensions (L x W)			m	2.92 × 1.80					
	Machine Height			m	3.71			4.02		
	Machine Height (HS)			m	3.71			4.02		
	Machine Weight			t	6.7			7.2		
	Machine Weight (HS)			t	6.7			7.2		
	Table Height			mm	1173					

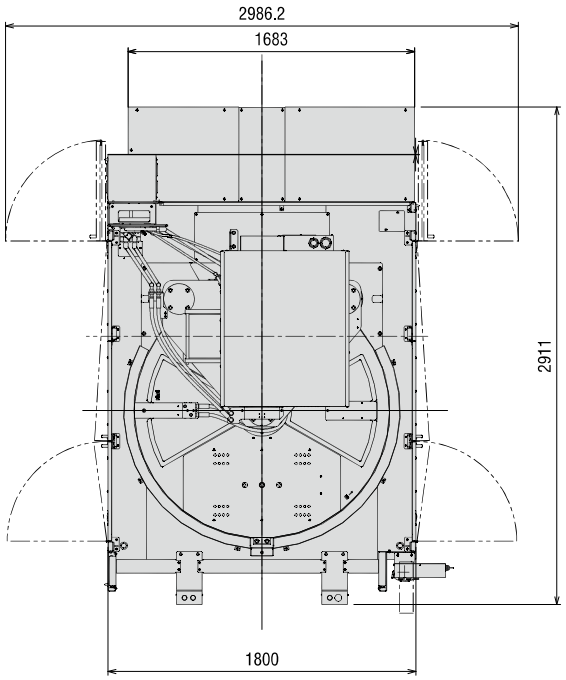
1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4 The plasticizing rate is applicable for GP-PS.
5 PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.
6 High speed injection are optional.
7 1 MPa=10.2 kgf/cm^2,1 kN=0.102 tf
8 Mold size (Max.) is square. Please contact us if it exceeds this dimension in a rectangle etc.
9 Mold weight is included setup devices weight.
10 Due to continual improvements, specifications are subject to change without notice.

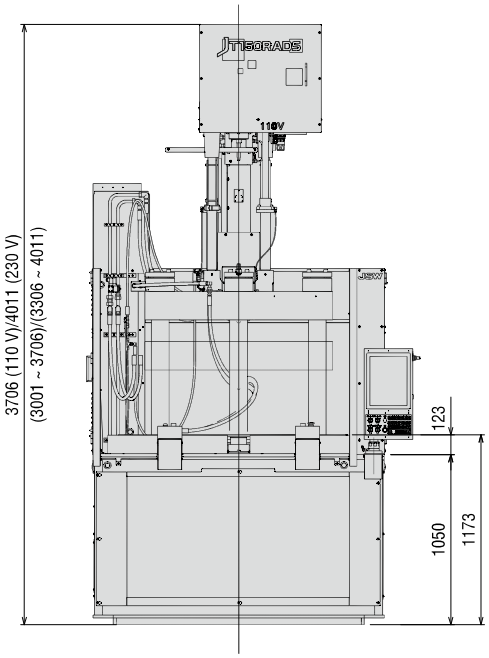
JSW

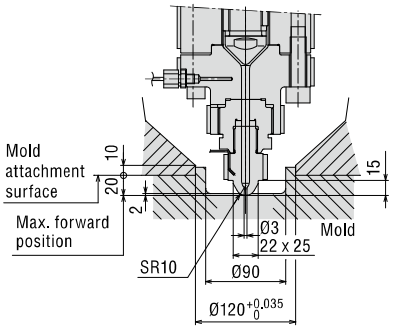
JT150RADS

JTADS SERIES
All Electric Servo Drive Vertical Type Injection Molding Machine

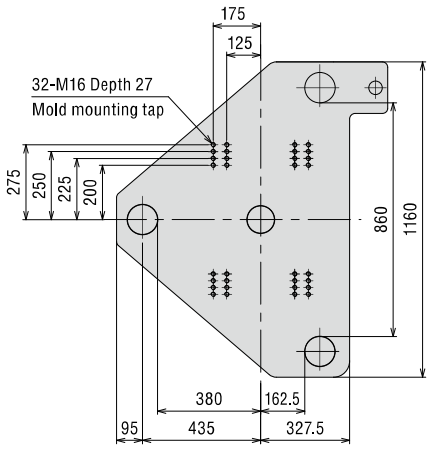
Equipment Dimensions and Mold Related Dimension



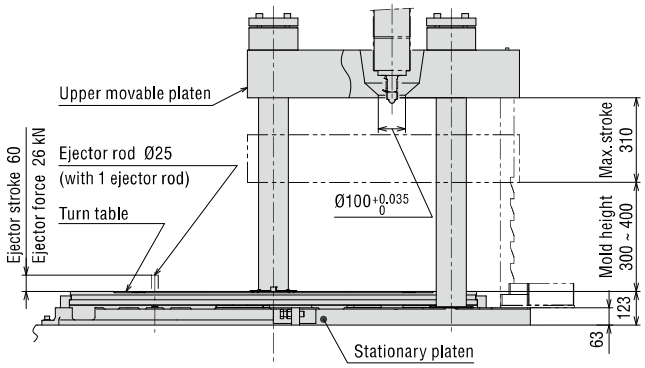


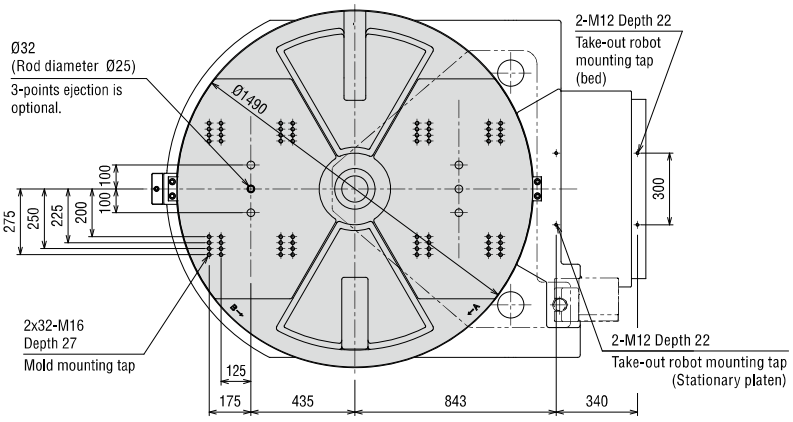


110 V/230 V



Upper movable platen





Turn table

JSW

JT220RADS

Performance Table

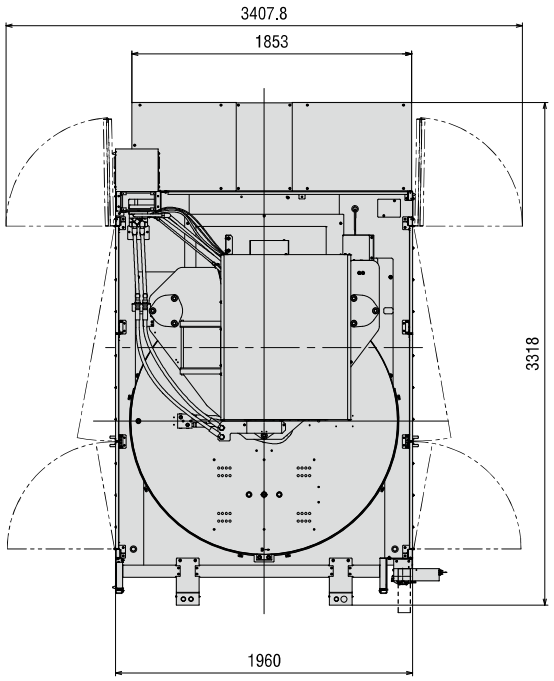
Unit	Item			Model	JT220RADS								
					230 V			410 V			520 V (Option)		
Injection Unit	Screw Diameter			mm	40	45	50	46	53	58	46	53	58
	Screw Stroke			mm	145			185			235		
	Theoretical Injection Capacity			cm^3	182	231	285	307	408	489	391	518	621
	Injection Capacity (GP-PS)			g	173	219	271	292	388	465	371	492	590
	Standard	Injection Pressure (Max.)		MPa	228	180	146	239	180	150	239	180	150
				kgf/cm^2	2320	1840	1490	2440	1840	1530	2440	1840	1530
		Holding Pressure (Max.)		MPa	205	162	131	215	162	135	215	162	135
				kgf/cm^2	2090	1650	1340	2190	1650	1380	2190	1650	1380
		Injection Speed		mm/s	160			160			160		
		Injection Rate		cm^3/s	201	254	314	266	353	423	266	353	423
	High-speed (HS) OP	Injection Pressure (Max.)		MPa	228	180	146	239	180	150	239	180	150
				kgf/cm^2	2320	1840	1490	2440	1840	1530	2440	1840	1530
		Holding Pressure (Max.)		MPa	205	162	131	215	162	135	215	162	135
				kgf/cm^2	2090	1650	1340	2190	1650	1380	2190	1650	1380
		Injection Speed		mm/s	330			300			300		
		Injection Rate		cm^3/s	415	525	648	499	622	793	499	622	793
	Plasticizing Rate (GP-PS)			kg/h	60	76	88	70	100	125	70	100	125
	Screw Speed			min^{-1}	250			220			220		
	Nozzle Touch Force			kN	15			20			20		
				tf	1.5			2.0			2.0		
	Nozzle Stroke from Platen			mm	20			20			20		
	Type of Nozzle			–	KC Nozzle (Tip Type)			KC Nozzle (Tip Type)			KC Nozzle (Tip Type)		
	Barrel Temperature Control			–	Barrel 4, Nozzle 1			Barrel 4, Nozzle 2			Barrel 4, Nozzle 2		
	Heater Wattage			kW	12.6			15.4			17.0		
Clamping Unit	Mechanism			–	Double Toggle								
	Clamping Force			kN	2160								
				tf	220								
	Daylight Opening (Max.)			mm	850								
	Movable Platen Stroke			mm	400								
	Mold Height		Min.	mm	350								
			Max.	mm	450								
	Mold Size		Width	mm	660								
			Depth	mm	660								
	Mold Weight (Max.)		Lower	kg	690 × 2								
			Upper	kg	500								
	Ejector Force			kN	42								
				tf	4.3								
	Ejector Stroke			mm	100								
	Ejector Point			–	3 Points								
	Table Outside Diameter			mm	1760								
	Locating Ring Diameter			mm	120								
General	Machine Dimensions (L x W)			m	3.32 × 1.96								
	Machine Height			m	4.44			5.35			5.56		
	Machine Height (HS)			m	4.44			5.40			5.60		
	Machine Weight			t	10.9			12.4			12.5		
	Machine Weight (HS)			t	10.9			12.5			12.6		
	Table Height			mm	1393								

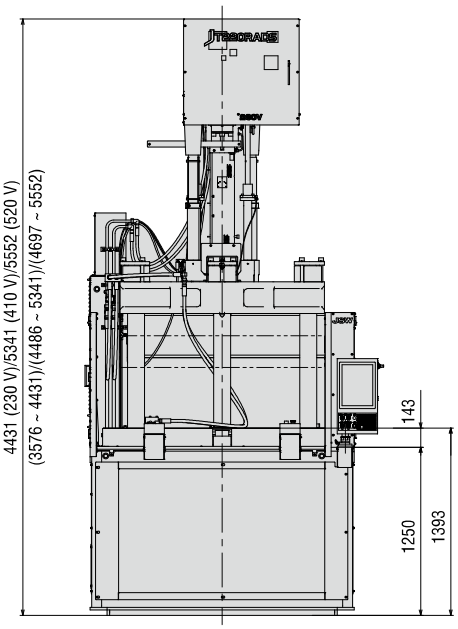
1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions and mold.
4 The plasticizing rate is applicable for GP-PS.
5 PC, HPVC, other engineering plastic, etc., low temperature setting and high speed molding may require a high torque depending on the grade or molding conditions. Please contact us if you plan.
6 High speed injection are optional.
7 1 MPa=10.2 kgf/cm^2,1 kN=0.102 tf
8 Mold size (Max.) is square. Please contact us if it exceeds this dimension in a rectangle etc.
9 Mold weight is included setup devices weight.
10 Due to continual improvements, specifications are subject to change without notice.

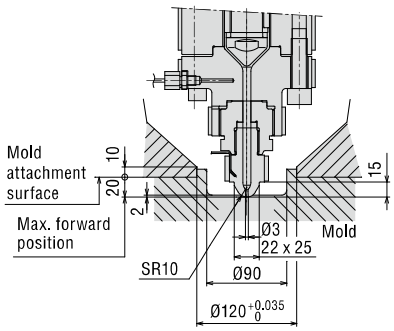
JT220RADS

JTADS SERIES
All Electric Servo Drive Vertical Type Injection Molding Machine

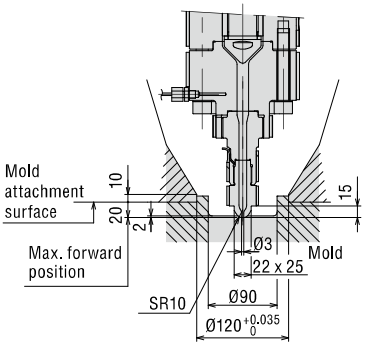
Equipment Dimensions and Mold Related Dimension



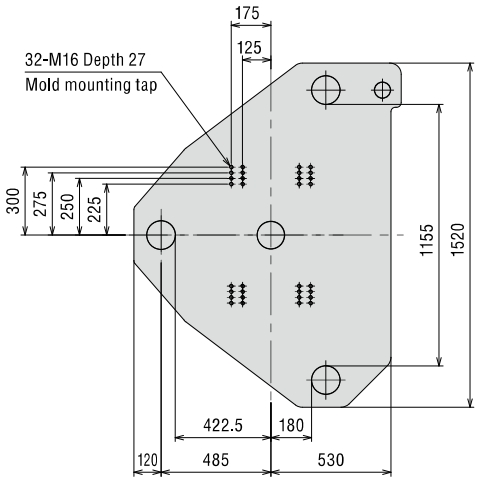




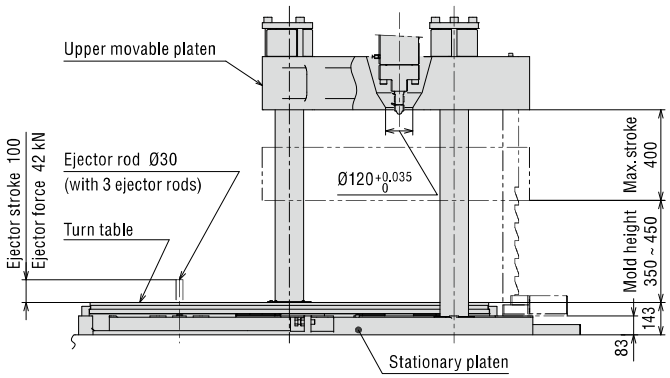
230 V

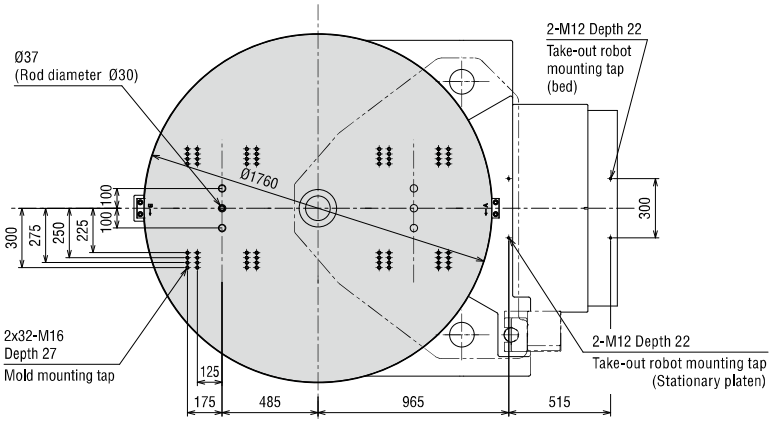


410 V/520 V



Upper movable platen





Turn table

Standard Equipment/Options List

■ Standard Equipment

	Item		
Injection Unit	KC nozzle (tip type)		
	N2000F barrel		
	LSP-2 Screw (abrasion resistant type)		
	HT screw head		
	Screw and barrel attachment/detachment device		
	Screw cold start prevention		
	Molding/purging/pause temperature select		
	Automatic purging circuit		
	Nozzle retract select		
	Injection/metering programmed control	Injection/holding pressure: 1 to 6 steps (variable)	
		Metering/back pressure: 1 to 3 steps (variable)	
	Holding control selection		
	Pull-back select		
	Holding pressure control select		
	High accuracy barrel and nozzle temperature control		
	Synchronous temperature rise control		
	Hopper flange temperature control		
	Soft-pack servo control		
	HAVC (high accuracy volume control)		
	IWCS (injection weight and cushion stability control)		
	Reverse seal control		
	Automatic greasing		
	Barre insulation cover		
Clamping Unit	Mold open/close and ejection programmed control	Mold open/close: 4 steps (fixed)	
		Ejection: 1 to 3 steps (variable)	
	Table rotation programmed control		
	Mold protection function		
	Electric-driven mold thickness adjusting device		
	Auto clamping force setting		
	Parallel Motion	Screw rotation during mold open/close	
		Eject during mold open	
		Injection during clamp up	
	Clamping safety device (mechanical and electrical)*1		
	Photoelectric safety device		
	Robot mounting holes		
	Grease-free toggle bushing		
	Automatic greasing		

	Item
Controller	Multi-touch panel 15" TFT color LCD controller
	Multi-language select (Japanese, Chinese, English)
	Molding condition storage (internal memory: 300 molds)*1
	Lower two-die molding condition auto switching
	Soft start molding
	Self-diagnosis function
	Molding operation assist function
	Help function
	Pop-up function
	Manual browsing function
	Start-up safety notice
	Molding condition memo
	Screen capture files can be stored to USB memory device*2
	USB printer port*3
	Overall setting screen
	Pre-heat timer
	Attended/unattended operation select
Monitor	Actual value display
	Injection/metering waveform monitor
	Injection/metering waveform storage
	Oscilloscope waveform monitor
	Energy consumption and regeneration monitor
	Barrel temperature monitor
	Injection pressure monitor (IPM)
	Statistical graph
	Production monitor
	Cumulative operating hour display
	Cycle monitor
	Molding condition upper/lower limit monitor*4
	Inspection and maintenance guide*5
	Heater system alarm
	Injection pressure overshoot alarm
	Servo fault alarm
	Grease lubrication alarm
	Fault alarm buzzer
	Alarm history
	User management function
	Set value history
Others	Safety compliance to JIMS K-1002
	Cooling water closed circuit
	Accessories (maintenance tools and ejector rods, etc.)

*1 USB memory device as external memory is capable of storing of molding conditions.
*2 Screen Capture can be saved in PNG format, and measuring data can be saved in CSV format.
*3 The printer and printer cable are optional.
*4 Alarms can be set for the following monitored items.
1. Mold identification
2. Cycle time
3. Injection start position
4. Injection time
5. Max injection pressure
6. Holding pressure transfer position
7. Holding pressure transfer speed
8. Holding pressure transfer pressure
9. Cushion position
10. Holding pressure end position
11. Metering time
12. Metering torque
13. Screw back pressure
14. Metering end position
15. Mold open time
16. Mold close time
17. Table rotation time
18. Shift stroke (HAVC)
19. End speed (HAVC)
*5 Maintenance monitor based on molding condition.

■ Options List

	Item		
Injection Unit	Long nozzle		
	Shut-off nozzle (pneumatic type)		
	PPS/PA package		
	Special-purpose screw*1		
	Ultra-corrosion/abrasion resistant screw barrel*1		
	Hopper throat abrasion resistance sleeve		
	Screw and barrels for optical applications		
	Abrasion resistant screw head type*1		
	Hopper		
	Hopper attachment tube		
	High speed injection specification		
	Extended holding pressure time specification		
	Residual resin alarm		
Clamping Unit	Daylight extension (+50 mm, +100 mm)		
	Mold platen heat insulation board (5 or 10 mm)*2		
	Locating ring		
	Air jet		
	Core pull devices (pneumatic type and hydraulic type)*3		
	Unscrewing motor circuit		
	Mold setup device (inside platen, outside platen)*4		
	Mold clamper device (pneumatic type, hydraulic type, magnet type)*2, *3		
	Easy mold clamper (easy clamp)		
	Clamping force monitoring function		
	Clamping force feedback control		
	Upper die ejector (hydraulic type)*3		
	Ejector 3 point ejection		
	Ejector stroke extension		
	Mold temperature control piping (for high temperatures)		
	Mold one-direction access (270 deg. rotation)		
	Ejector plate return confirmation circuit		
	Toggle type injection compression function	Mode A	
		Mode B	
		Compression: 1 to 6 steps (variable)	
	Wide model specification (100R, 150R)		
Electrical Installation/Control	Multi-language select (1 language additional)*5		
	Centralized control system NET100		
	Mold temperature display (with mold temperature upper/lower limit alarm)		
	Mold temperature control device (heater type)		
	Receptacle*6		
	Heater disconnection alarm		
	Robot Interface		
	I/O customize function		
Others	Cooling water flow indicator		
	Cooling water failure warning		
	Leveling pads for installation		
	Rotary warning light (1 color, 3 colors)		
	Export specifications*7		
	Designated color (bed & cover)*8		

*1 Please contact us for specifications.
*2 When thermal insulation boards or magnet mold clampers are equipped, their thicknesses should be considered for calculating the nozzle insertion amount.
*3 A pump unit is separately required for the hydraulic type.
*4 When inside platen access device is equipped, the ejector stroke extension (optional) is required.
*5 English and Chinese are provided as standard languages.
*6 Please specify the power supply voltage and the number of outlets required for accessories.
*7 Regarding export specifications, discussion with JSW is required in some cases, depending upon the export destinations.
*8 Designate colors, referring to color samples or Munsell codes.

Utilities

■ Total Power Capacity

	Machine Model		Total Power Capacity (kVA)
Rotary Type	JT20RADS	20V	6.1
		20V-HS	6.2
		55V	8.5
	JT40RADS	20V	7.1
		20V-HS	7.1
		55V	9.5
		55V-HS	9.6
		110V	13.1
	JT70RADS	55V	9.4
		55V-HS	9.6
		110V	13.1
		110V-HS	13.1
	JT100RADS	55V	10.8
		55V-HS	11
		110V	14.5
		110V-HS	14.5
		230V	18.9
	JT150RADS	110V	16.3
		110V-HS	16.3
		230V	20.7
		230V-HS	20.8
	JT220RADS	230V	22.3
		230V-HS	22.4
		410V	23.6
		410V-HS	23.8
		520V	24.6
		520V-HS	24.8

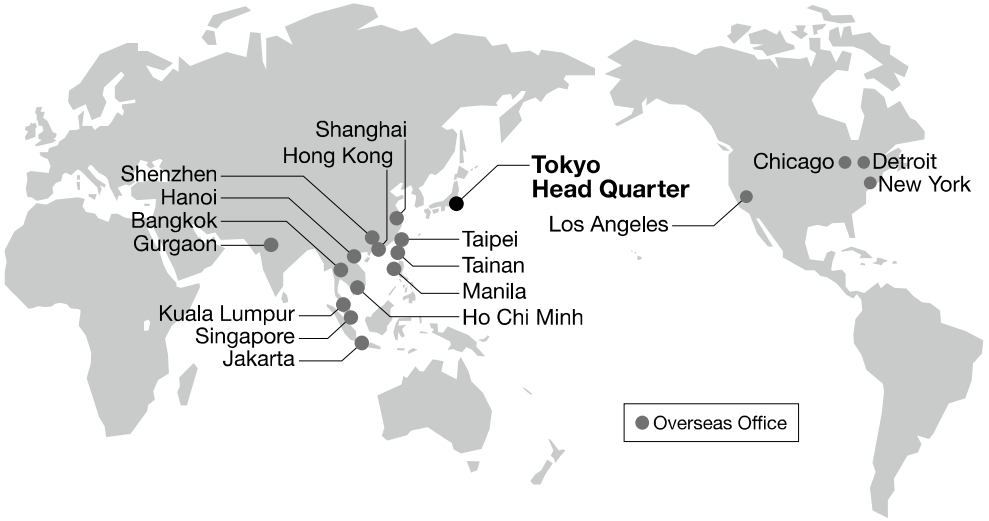
Note:
1. Total power capacity dose not include extermal outlets.
2. We recommend that the rated interrupting current of the main power supply breaker is more than 25 kA at AC400 V/460 V.

HS: High speed (option)

■ Cooling Water Capacity/Air Capacity

	Model	Cooling Water Capacity for Barrel Temperature Control (m^3/h)	Compressed Air Pressure (MPa)	Compressed Air Necessity Volume (NL/min)
Rotary Type	JT20RADS	0.3	0.5	2
	JT40RADS	0.3	0.5	2
	JT70RADS	0.3	0.5	2
	JT100RADS	0.3	0.5	2
	JT150RADS	0.3	0.5	2
	JT220RADS	0.3	0.5	2

Note: The above figures do not include the required quantity of water for the mold temperature.



JSW THE JAPAN STEEL WORKS, LTD.

https://www.jsw.co.jp/en/

Division Head Quarter: Gate City Ohsaki-West Tower, 11-1, Osaki 1-chome, Shinagawa-ku, Tokyo 141-0032, Japan
Phone: +81-3-5745-2081 URL https://www.jsw.co.jp/en/products/injection_molding/

Japan Steel Works America, Inc.

Head Office: 379 Thornall Street, 5th Floor, Edison, New Jersey 08837, U.S.A.
Phone: +1-212-490-2630
Los Angeles Office: 555 South Promenade Ave., Unit 104, Corona, California 92879, U.S.A.
Phone: +1-951-898-0934
Chicago Office: 540 Capital Drive, Suite 130, Lake Zurich, Illinois 60047, U.S.A.
Phone: +1-847-550-0704
Detroit Office: 24387 Halsted Road Unit B, Farmington Hills, Michigan 48335, U.S.A.
Phone: +1-248-536-0288

The Japan Steel Works (Singapore) Pte. Ltd.

17 Gul Lane 629413, Singapore
Phone: +65-6861-4511

PT. JSW Plastics Machinery Indonesia

Gajah Building Unit K, Jl.Dr.Saharjo No.111 Tebet, Jakarta Selatan 12810, Indonesia
Phone: +62-21-8370-2536

JSW Plastics Machinery (Philippines) Inc.

Unit 2205, 22nd Floor, Asian Star Building, Asean Drive, Filinvest Corporate City, Alabang, Muntinlupa City, 1781, Philippines
Phone: +63-2-478-2533

JSW Plastics Machinery (M) SDN. BHD.

D11-11-G, Pusat Perdagangan Dana 1, Jalan PJU 1A/46, 47301, Petaling Jaya, Selangor, Malaysia
Phone: +60-3-7842-6076

The Japan Steel Works (Thailand) Co., Ltd.

78/6 JST Building 4th Floor, Moo 7 King Kaew Road, Rachatewa, Bangplee, Samutprakarn 10540, Thailand
Phone: +66-2-738-5272

JSW Plastics Machinery Vietnam Ltd.

Hanoi Head Office: Room103, Techno-Center Thang Long Industrial Park, Kim Chung Commune, Dong Anh District, Hanoi, Vietnam
Phone: +84-24-3951-6383
Ho Chi Minh Office: Ground Floor, DC Tower, 111D Ly Chinh Thang, Ward 7, District 3, HCC, Vietnam
Phone: +84-28-3526-1295

JSW Plastics Machinery (H.K.) Co., Ltd.

Room 907, Corporation Park, 11 On Lai Street, Shatin N.T., Hong Kong
Phone: +852-2648-0720

JSW Plastics Machinery (Shenzhen) Co., Ltd.

1F, Yi Ben Electronic & Business Industrial Park, No.1063 Chaguang Road, Xili Town, Nanshan District, Shenzhen City, Guangdong Province, 518055, China
Phone: +86-755-8602-0930

JSW Machinery Trading (Shanghai) Co., Ltd.

301-304 Metro Plaza, No.555 Loushanguan Road, Changning District, Shanghai 200051, China
Phone: +86-21-5206-7031

JSW Plastics Machinery (TAIWAN) Corp.

Head Office: 1F, No.21, Dahu 1st Road, Gueishan Dist., Taoyuan City, 33373 Taiwan, R.O.C.
Phone: +886-3-396-2102
Tainan Office: 15F-7, No.689-78, Xiaodong Road, Yongkang Dist., Tainan City, 71052, Taiwan, R.O.C.
Phone: +886-6-311-4192

Japan Steel Works India Private Limited

611, Time Tower, MG Rood, Sector 28, Gurgaon, Haryana, 122001, India
Phone: +91-124-469-4444

JST ENGINEERING CO.,LTD.
78/6 MOO 7 KING KAEW RD., RACHATEWA,
BANGPLEE, SAMUTPRAKARN 10540 THAILAND.
TEL: +66 (0) 2738 5050-4
FAX: +66 (0) 2738 5055
E-mail: info@jst.co.th
URL: www.jst.co.th
LINE ID: @jst.co.th
www.facebook.com/jst.co.th

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