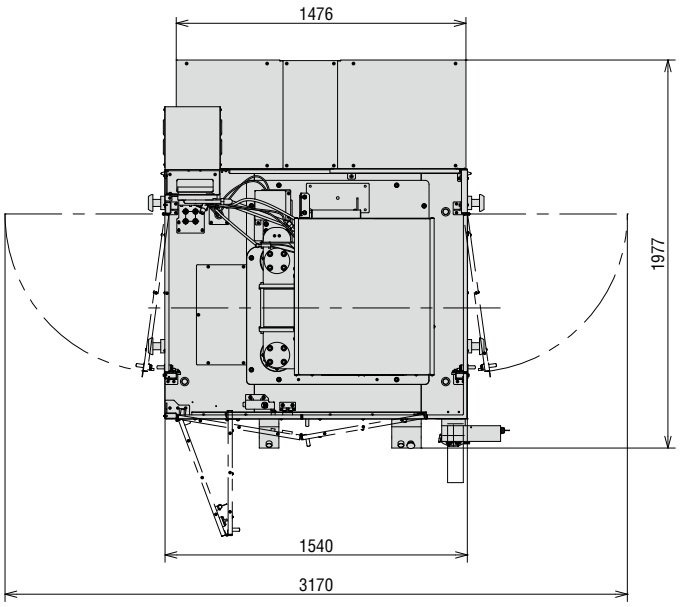
JT70ADS

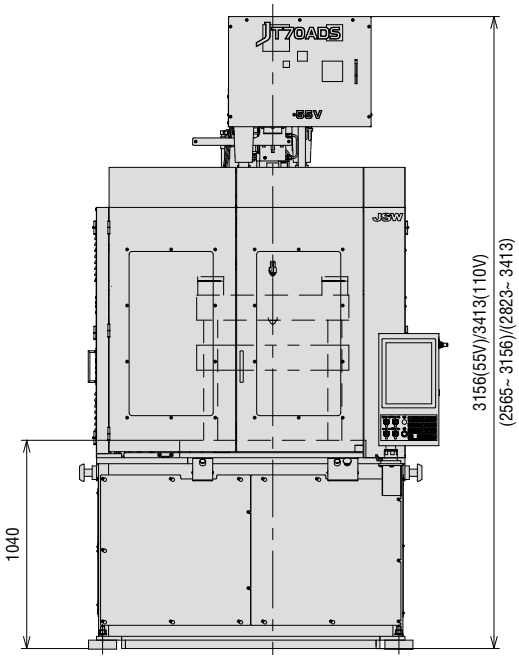
Performance Table

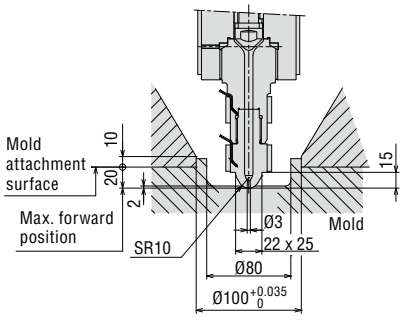
Unit	Item			Model	JT70ADS					
					55 V			110 V		
Injection Unit	Screw Diameter			mm	25	28	32	32	35	40
	Screw Stroke			mm	90			110		
	Theoretical Injection Capacity			cm^3	44	55	72	88	106	138
	Injection Capacity (GP-PS)			g	42	52	68	84	101	131
	Standard	Injection Pressure (Max.)		MPa	226	180	138	215	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 Capacity (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	600					
	Movable Platen Stroke			mm	250					
	Mold Height		Min.	mm	250					
			Max.	mm	350					
	Mold Size		Width	mm	550					
			Depth	mm	410					
	Mold Weight (Max.)		Lower	kg	–					
			Upper	kg	200					
	Ejector Force			kN	26					
				tf	2.7					
	Ejector Stroke			mm	60					
	Ejector Point			–	5					
	Locating Ring Diameter			mm	100					
General	Machine Dimensions (L x W)			m	1.98 × 1.54					
	Machine Height			m	3.16			3.41		
	Machine Height (HS)			m	3.16			3.41		
	Machine Weight			t	3.9			4.2		
	Machine Weight (HS)			t	3.9			4.2		
	Table Height			mm	1040					

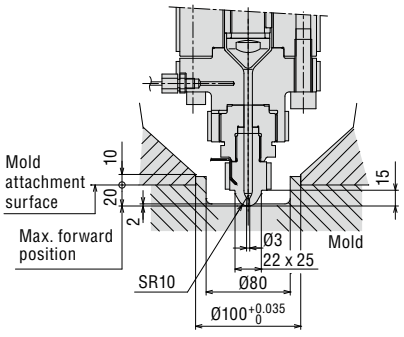
1 Maximum injection pressure and maximum holding pressure may be restricted due to molding condition.
2 The theoretical injection capacity is (cross sectional area of barrel) x (stroke of screw).
3 The injection capacity is applicable for GP-PS and variable according to the grade of resin, molding conditions 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 weight is included setup devices weight.
9 Due to continual improvements, specifications are subject to change without notice.

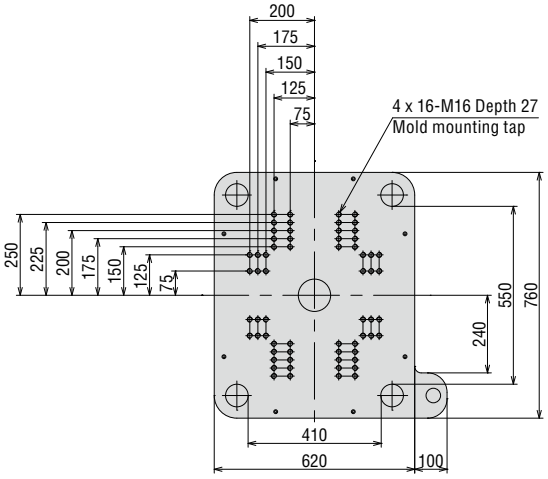
Equipment Dimensions and Mold Related Dimension

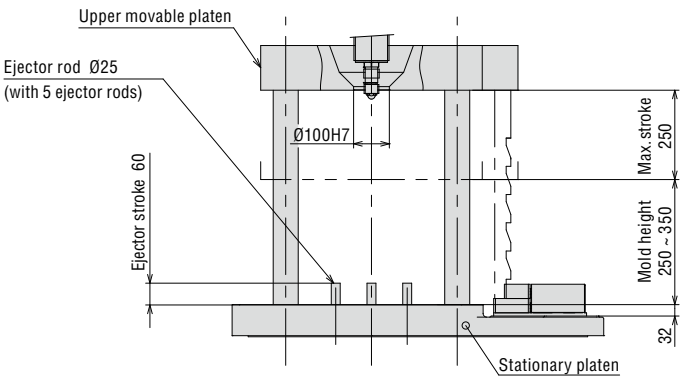


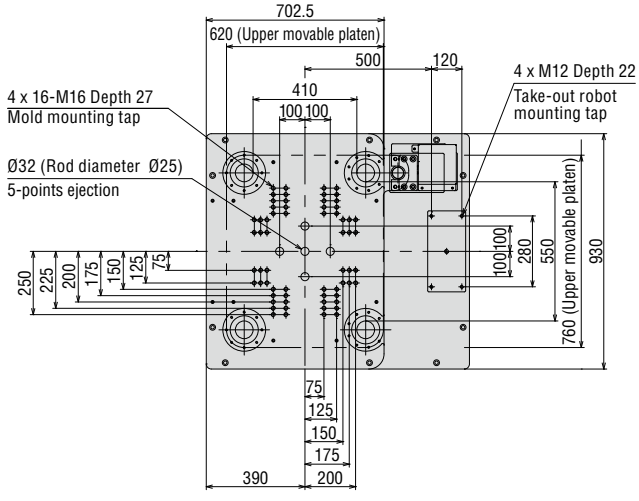












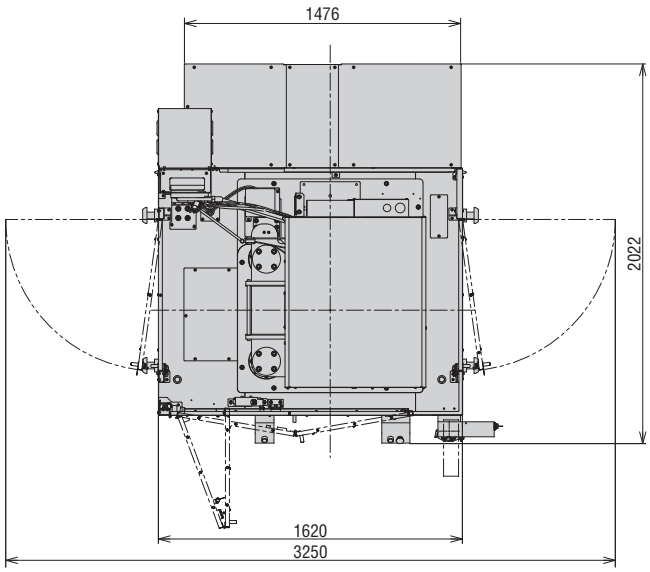
JT100ADS

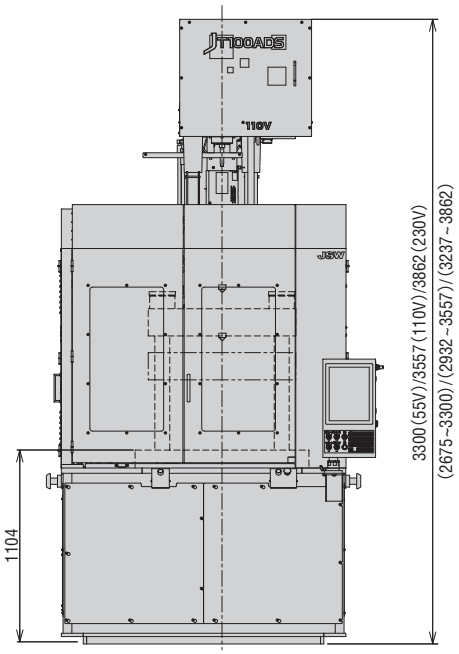
Performance Table

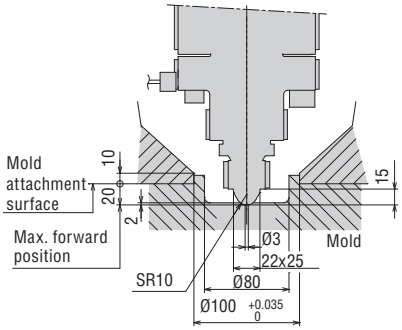
Unit	Item			Model	JT100ADS								
					55 V			110 V			230 V		
Injection Unit	Screw Diameter			mm	25	28	32	32	35	40	40	45	50
	Screw Stroke			mm	90			110			145		
	Theoretical Injection Capacity			cm^3	44	55	72	88	106	138	182	231	285
	Injection Capacity (GP-PS)			g	42	52	68	84	101	131	173	219	271
	Standard	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) (Option)	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 Capacity (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	650								
	Opening Stroke (Max.)			mm	250								
	Mold Height		Min.	mm	300								
			Max.	mm	400								
	Distance between tie-bars		Width	mm	595								
			Depth	mm	460								
	Mold Weight (Max.)		Lower	kg	–								
			Upper	kg	300								
	Ejector Force			kN	26								
				tf	2.7								
	Ejector Stroke			mm	60								
	Ejector Point			–	5								
	Table Outside Diameter			mm	–								
	Locating Ring Diameter			mm	100								
General	Machine Dimensions (L x W)			m	2.03 × 1.62								
	Machine Height			m	3.30			3.56			3.86		
	Machine Height (HS)			m	3.30			3.56			–		
	Machine Weight			t	4.6			5.0			5.3		
	Machine Weight (HS)			t	4.6			5.0			–		
	Table Height			mm	1104								

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) × (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 is 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.

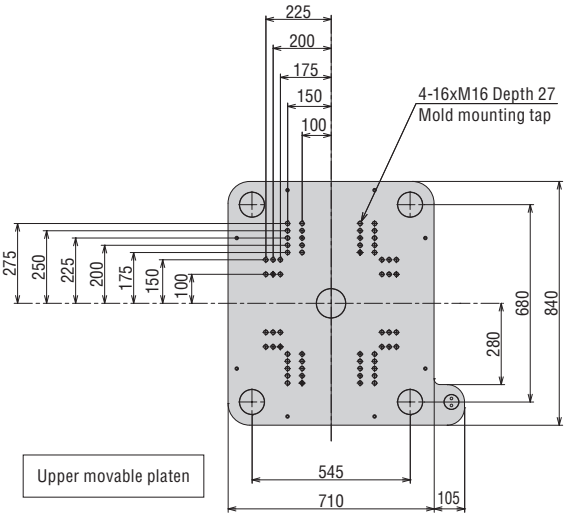
Equipment Dimensions and Mold Related Dimension



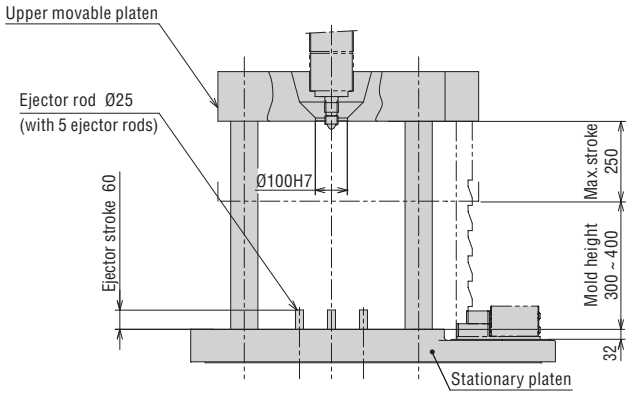


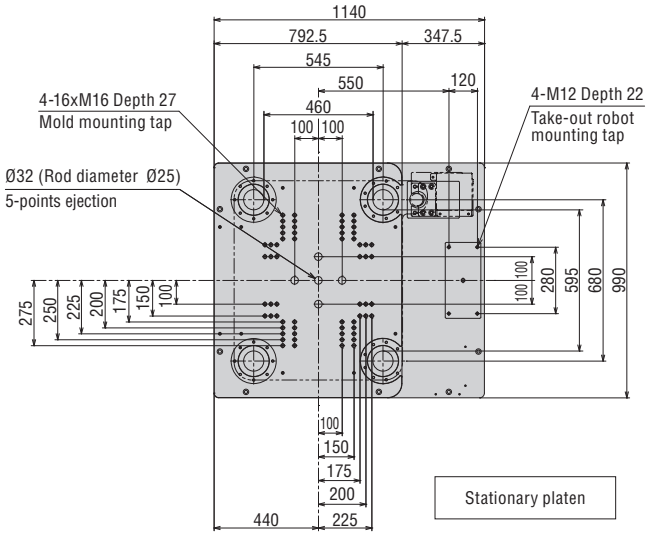


Nozzle



Upper movable platen





Stationary platen