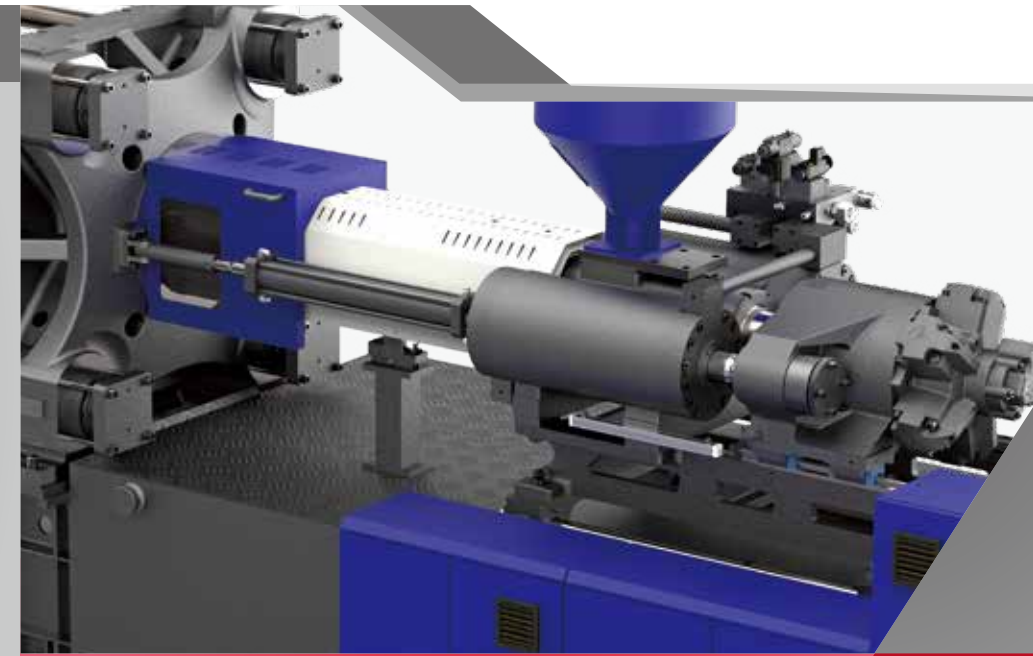


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SPECIFICATIONS

SE



HAITIAN MAIII/SE SERIES

Energy-saving servo injection molding machines
900-12,000kN

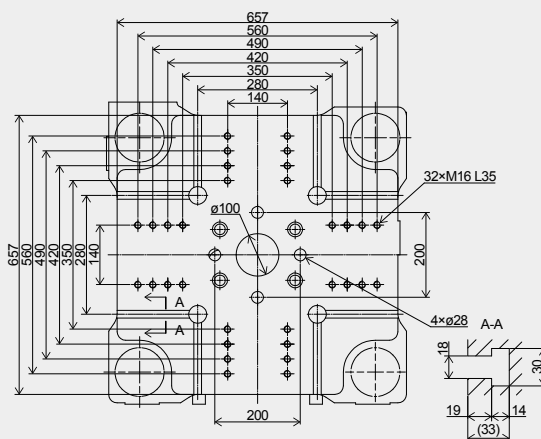
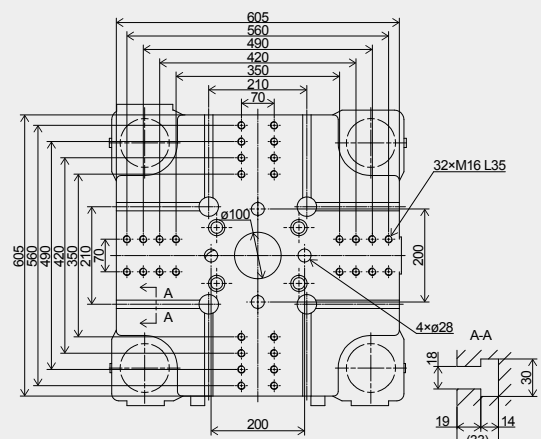
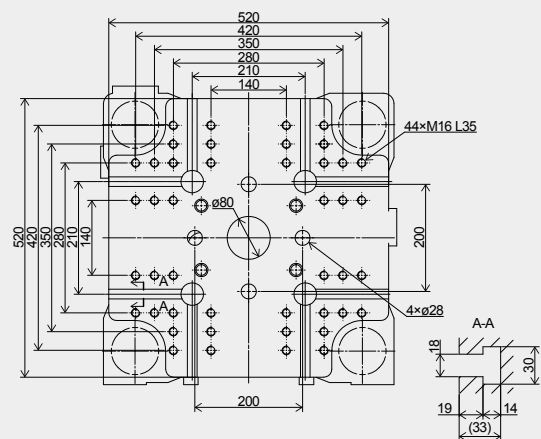


SPECIFICATION

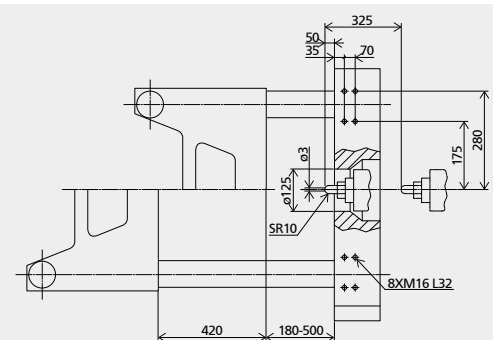
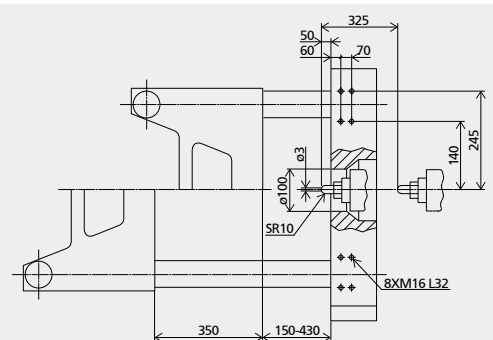
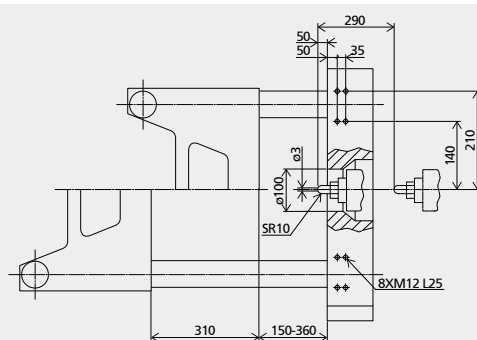
TECHNICAL DATA
MACHINE TYPE

		MA900III/280SE			MA1200III/400SE			MA1600III/570SE		
INJECTION UNIT		A	B	C	A	B	C	A	B	C
Screw diameter	mm	32	36	40	36	40	45	40	45	50
Screw L/D ratio	L/D	22.5	20	18	23.3	21	18.7	22.5	20	18
Injection volume (theoretical)	cm ³	120	152	188	173	213	270	252	319	394
Injection weight (PS)	g	109	138	171	157	194	246	229	290	359
Injection rate	g/s	74	94	116	97	120	152	129	164	202
Injection pressure	MPa	237	187	151	231	187	147	226	178	145
Plasticizing rate (GPPS) ①	g/s	9.9	11.3	13.9	10.8	13.3	17.3	16.5	21.2	25.2
Plasticizing rate (HDPE) ②	g/s		-			-			-	
Screw speed	rpm	0-235			0-225			0-245		
CLAMPING UNIT										
Clamping force	kN	900			1200			1600		
Mold opening stroke	mm	310			350			420		
Dist. between tie bars (H×V)	mm	360×360			410×410			470×470		
Mold height max.	mm	360			430			500		
Mold height min.	mm	150			150			180		
Ejector stroke	mm	100			120			140		
Ejector force	kN	33			33			33		
OTHERS										
Pump motor power	kW	13			18.5			22		
Heater power	kW	8.1			11.75			11.75		
Machine dimension (L×W×H)	m	4.11×1.14×1.97			4.58×1.21×1.98			4.91×1.31×2.0		
Machine weight	t	2.9			3.9			4.8		
Hopper capacity	kg	25			25			25		
Oil tank	l	120			155			200		

Platen dimensions
Moving platen



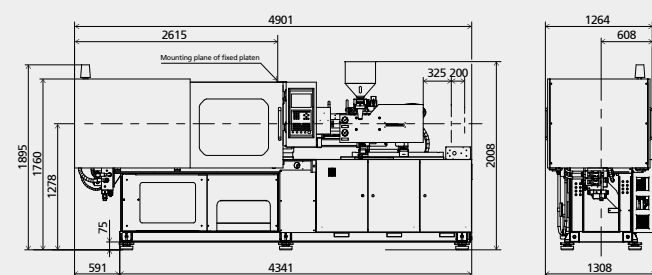
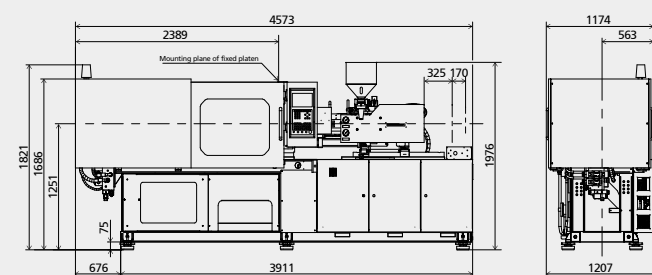
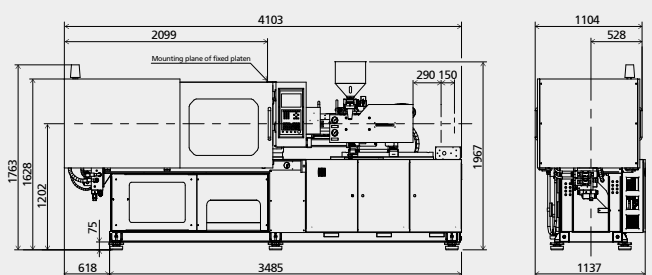
Platen dimensions
Mounting hole for robot/sprue picker top view from fixed platen



Machine dimensions

- ① Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

We reserve the right to make changes as a result of further technical advantages.

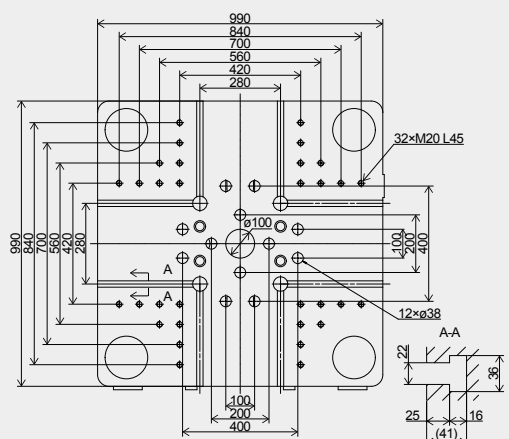
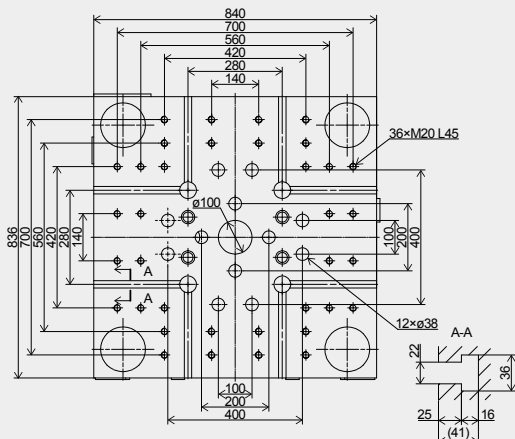
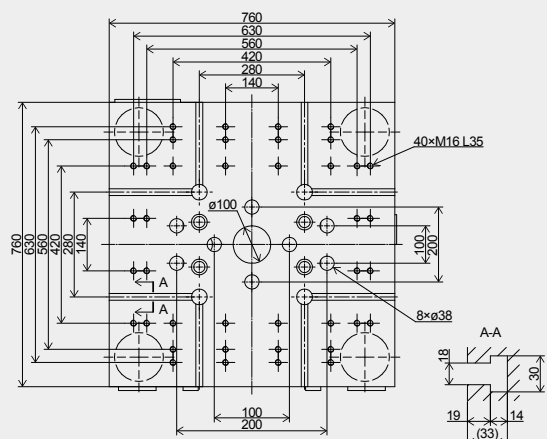


SPECIFICATION

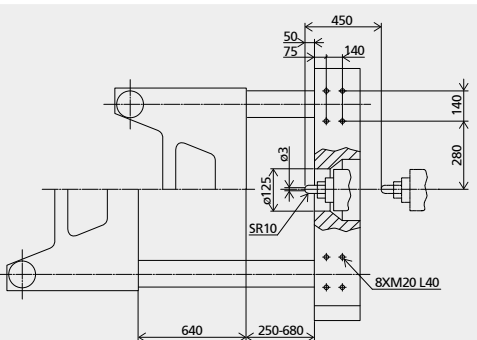
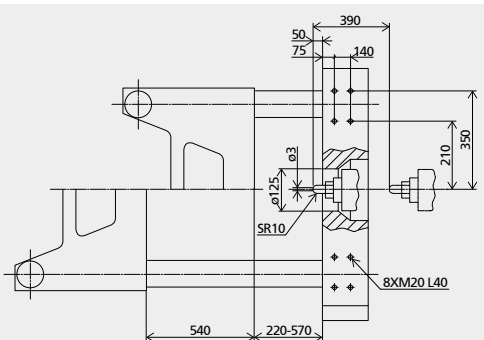
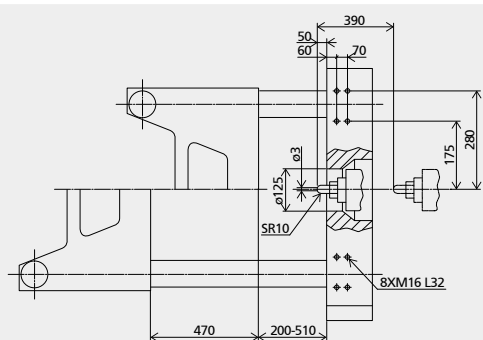
TECHNICAL DATA
MACHINE TYPE

		MA2000III/1000SE			MA2600III/1350SE			MA3200III/1800SE		
INJECTION UNIT		A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	55	60	55	60	65	60	65	70
Screw L/D ratio	L/D	22	20	18.3	22	20	18.3	21.7	20	18.6
Injection volume (theoretical)	cm ³	496	601	715	617	735	862	848	995	1154
Injection weight (PS)	g	452	546	650	562	668	785	771	905	1050
Injection rate	g/s	190	230	274	240	286	335	304	357	414
Injection pressure	MPa	213	176	147	213	178	152	211	181	155
Plasticizing rate (GPPS) ①	g/s	24.1	29.6	33.8	31.8	37.7	41.9	41.7	47.2	55.5
Plasticizing rate (HDPE) ②	g/s		-			-		75.2	84.6	98.7
Screw speed	rpm	0-195			0-205			0-235		
CLAMPING UNIT										
Clamping force	kN	2000			2600			3200		
Mold opening stroke	mm	470			540			640		
Dist. between tie bars (H×V)	mm	510×510			570×570			680×680		
Mold height max.	mm	510			570			680		
Mold height min.	mm	200			220			250		
Ejector stroke	mm	140			150			160		
Ejector force	kN	62			62			62		
OTHERS										
Pump motor power	kW	32			37			45		
Heater power	kW	18.6			21.25			25.45		
Machine dimension (L×W×H)	m	5.43×1.37×2.18			6.23×1.55×2.25			6.73×1.80×2.36		
Machine weight	t	6.3			8.4			12.2		
Hopper capacity	kg	50			50			50		
Oil tank	l	270			370			460		

Platen dimensions
Moving platen



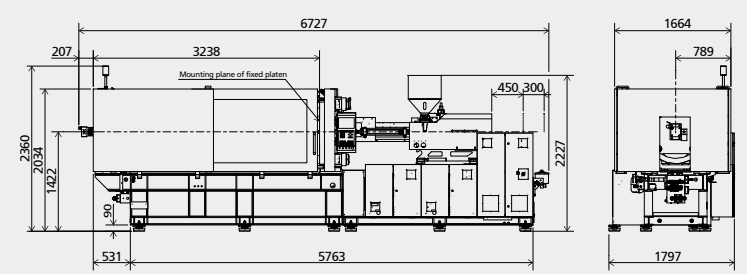
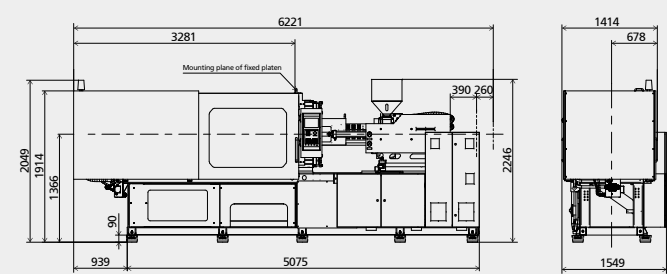
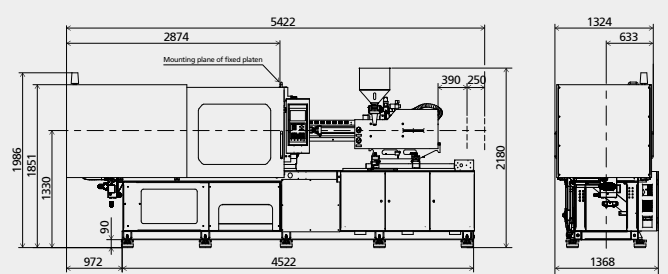
Platen dimensions
Mounting hole for robot/sprue picker top view from fixed platen



Machine dimensions

- ① Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

We reserve the right to make changes as a result of further technical advantages.



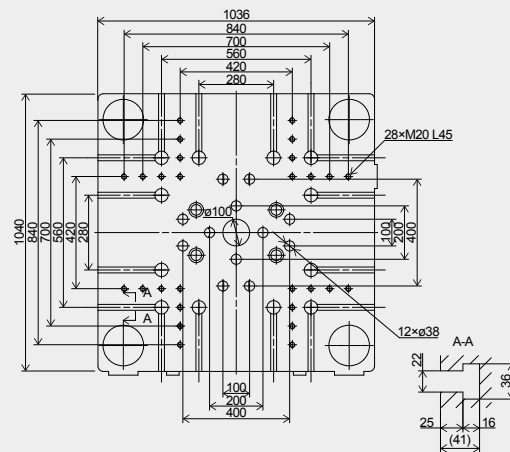
SPECIFICATION

TECHNICAL DATA
MACHINE TYPE

		MA3800III/2250SE			MA4700III/3200SE			MA5300III/4000SE			
INJECTION UNIT		A	B	C	A	B	C	A	B	C	D
Screw diameter	mm	65	70	80	70	80	90	80	85	90	100
Screw L/D ratio	L/D	21.5	20	17.5	22.9	20	17.8	22	20.7	19.6	17.5
Injection volume (theoretical)	cm ³	1068	1239	1618	1423	1859	2353	2211	2496	2799	3455
Injection weight (PS)	g	972	1127	1472	1295	1692	2141	2012	2272	2547	3144
Injection rate	g/s	316	366	478	351	459	580	454	513	575	710
Injection pressure	MPa	203	176	135	226	174	137	199	176	157	127
Plasticizing rate (GPPS) ①	g/s	40.4	47.4	62.0	48.8	63.9	78.2	64.7	71.5	81.3	99.4
Plasticizing rate (HDPE) ②	g/s	72.5	86.3	108.9	85.6	115.2	150.1	94	104.3	117.9	145
Screw speed	rpm	0-190			0-185			0-145			
CLAMPING UNIT											
Clamping force	kN	3800			4700			5300			
Mold opening stroke	mm	700			780			850			
Dist. between tie bars (H×V)	mm	730×730			820×800			840×830			
Mold height max.	mm	730			780			850			
Mold height min.	mm	280			320			350			
Ejector stroke	mm	180			200			220			
Ejector force	kN	110			110			158			
OTHERS											
Pump motor power	kW	55			65			70			
Heater power	kW	31.3			39.2			45.7			
Machine dimension (L×W×H)	m	7.10×1.80×2.33			7.94×1.96×2.56			9.18×2.07×2.67			
Machine weight	t	13.3			18.2			22.3			
Hopper capacity	kg	50			50			100			
Oil tank	l	460			570			700			

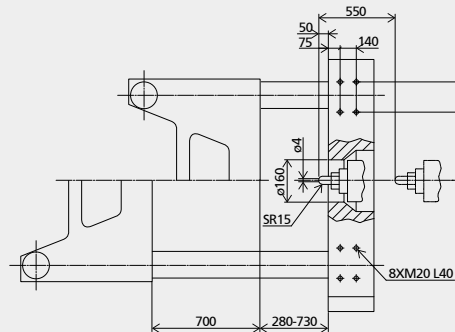
Platen dimensions

Moving platen



Platen dimensions

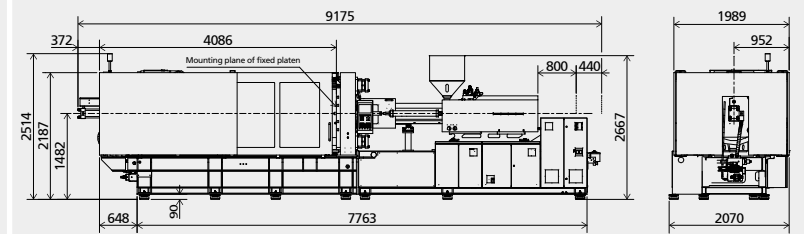
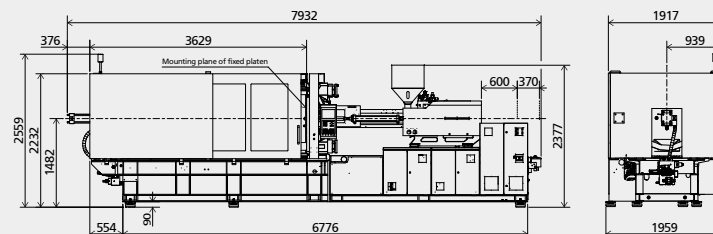
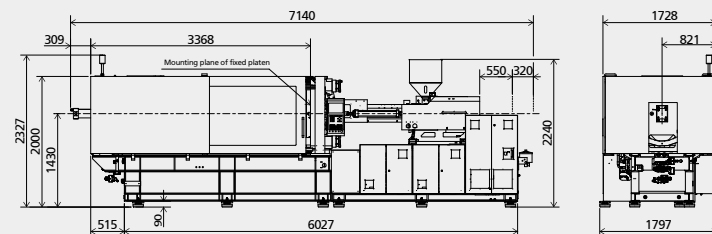
Mounting hole for robot/sprue picker top
view from fixed platen



Machine dimensions

- ① Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws
- ② Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws

We reserve the right to make changes as a result of further technical advantages.



TECHNICAL DATA
MACHINE TYPE

Platen dimensions

Moving platen

Machine dimensions

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The figure contains three technical drawings of the extruder machine with the following dimensions (mm):

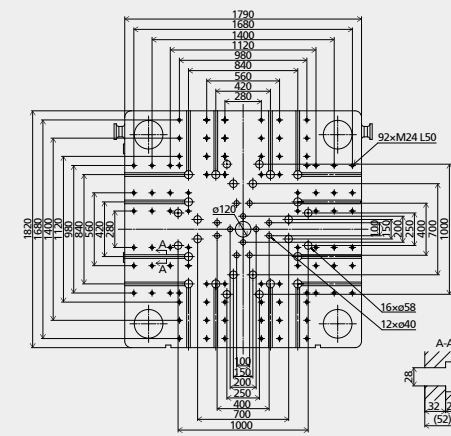
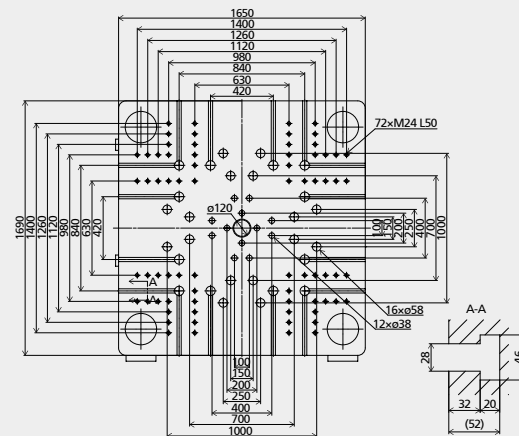
- Front View:** Total width 10063, total height 2687. Key dimensions include 530, 4542, 800, 440, 2711, 2184, 1487, 237, 95, 8945, and 2187.
- Side View:** Total width 2187, total height 2208. Key dimensions include 1013.
- Top View:** Total length 10965, total width 2299. Key dimensions include 575, 5102, 800, 440, 2719, 2192, 1516, 394, 95, 9488, 2731, and 1074.5.

SPECIFICATION

		MA10000III/7950SE				MA12000III/7950SE			
INJECTION UNIT		A	B	C	D	A	B	C	D
Screw diameter	mm	100	110	120	130	100	110	120	130
Screw L/D ratio	L/D	24.2	22	20.2	18.6	24.2	22	20.2	18.6
Injection volume (theoretical)	cm ³	3769	4561	5428	6371	3769	4561	5428	6371
Injection weight (PS)	g	3430	4151	4940	5797	3430	4151	4940	5797
Injection rate	g/s	664	803	956	1122	664	803	956	1122
Injection pressure	MPa	217	179	151	128	217	179	151	128
Plasticizing rate (GPPS) ①	g/s	95.5	114.6	132.8	152.8	95.5	114.6	132.8	152.8
Plasticizing rate (HDPE) ②	g/s	139.5	167.2	190.1	218.7	139.5	167.2	190.1	218.7
Screw speed	rpm	0-110				0-110			
CLAMPING UNIT									
Clamping force	kN	10000				12000			
Mold opening stroke	mm	1220				1310			
Dist. between tie bars (H×V)	mm	1160×1160				1250×1250			
Mold height max.	mm	1160				1250			
Mold height min.	mm	500				550			
Ejector stroke	mm	320				320			
Ejector force	kN	215				215			
OTHERS									
Pump motor power	kW	55+65				55+65			
Heater power	kW	81				81			
Machine dimension (L×W×H)	m	12.12×2.49×2.88				12.51×2.66×3.05			
Machine weight	t	46.3				57.3			
Hopper capacity	kg	100				100			
Oil tank	l	1020				1020			

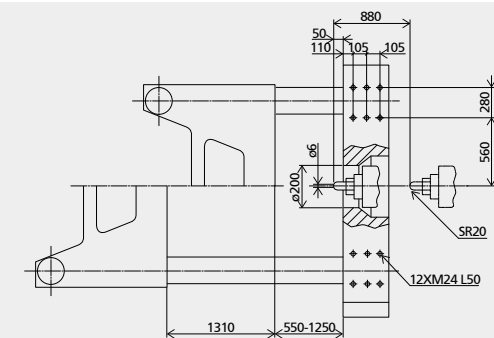
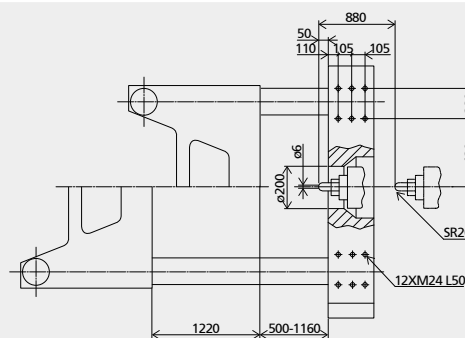


Moving platen



Platen dimensions

Mounting hole for robot/sprue picker top
view from fixed platen



Machine dimensions

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