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SPECIFICATIONS

GLOBAL



HAITIAN MARS III SERIES

Energy-saving servo injection molding machines

13,000 - 33,000 kN

HT 20200805-IV

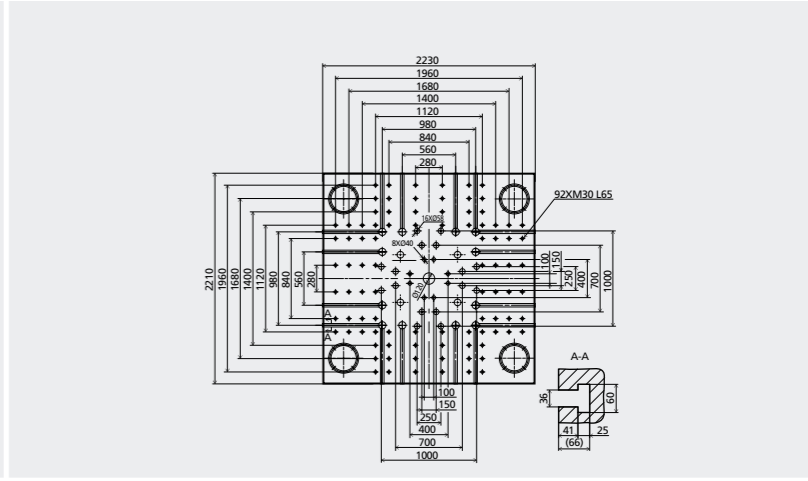
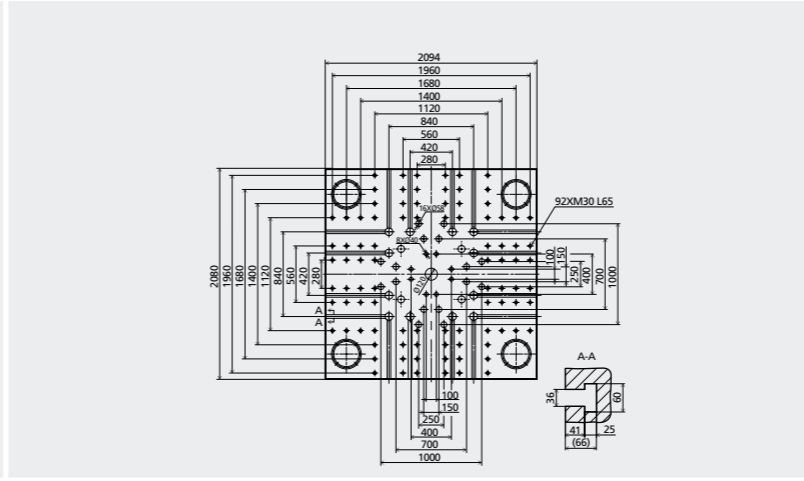
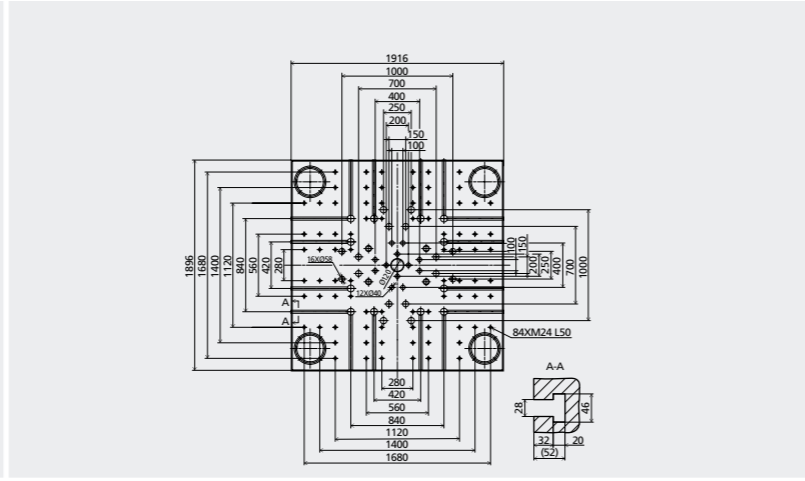


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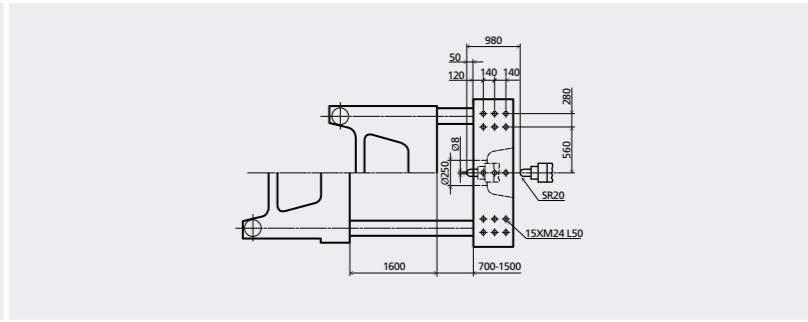
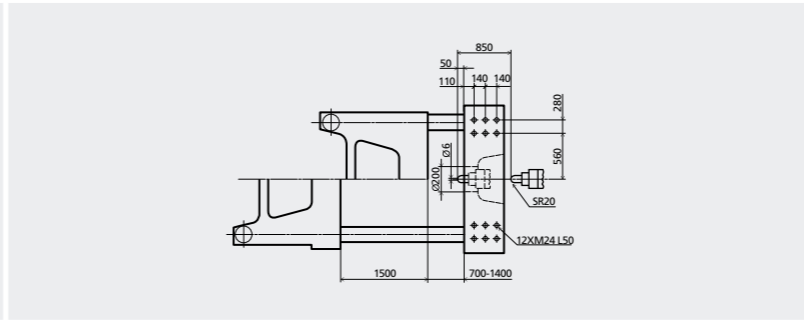
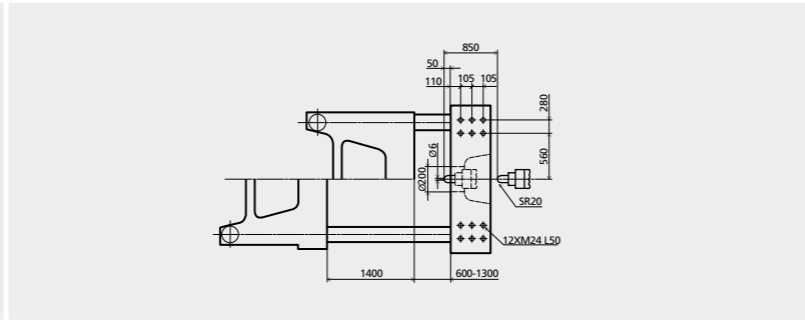
TECHNICAL DATA
MACHINE TYPE

	MA13000 III/10600				MA14000 III/10600				MA16000 III/15800			
	A	B	C	D	A	B	C	D	A	B	C	
INJECTION UNIT												
Screw diameter	mm	110	120	130	140	110	120	130	140	130	140	
Screw L/D ratio		26.2	24	22.2	20.6	26.2	24	22.2	20.6	24	20.8	
Injection volume (theoretical)	cm ³	5227	6220	7300	8467	5227	6220	7300	8467	8362	9698	
Injection weight (PS)	g	4756	5661	6643	7705	4756	5661	6643	7705	7610	8825	
Injection rate	g/s	806	959	1126	1306	806	959	1126	1306	1087	1261	
Injection pressure	MPa	204	171	146	126	204	171	146	126	189	163	
Plasticizing rate (GPPS) ①	g/s	123	142	164	187	123	142	164	187	160	183	
Plasticizing rate (HDPE) ②	g/s	187	217	240	273	187	217	240	273	240	269	
Screw speed	rpm	0-102				0-102				0-97		
CLAMPING UNIT												
Clamping force	kN	13000				14000				16000		
Mold opening stroke	mm	1400				1500				1600		
Dist. between tie bars (HxV)	mm	1350x1280				1450x1350				1550x1430		
Mold height max.	mm	1300				1400				1500		
Mold height min.	mm	600				700				700		
Ejector stroke	mm	350				350				400		
Ejector tonnage	kN	215				318				318		
OTHERS												
Pump motor power	kW	45+37+37				45+37+37				55+55+37		
Heater power	kW	91.5				91.5				99.5		
Machine dimension (LxWxH)	m	13.5x2.9x3.2				14.1x3.1x4.3				15.0x4.4x4.7		
Machine weight	t	71				87				107		
Hopper capacity	kg	100				400				400		
Oil tank	l	1520				1520				1770		

Platen dimensions
Moving platen



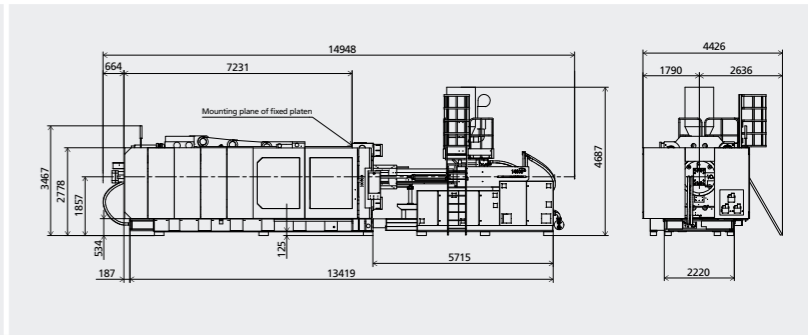
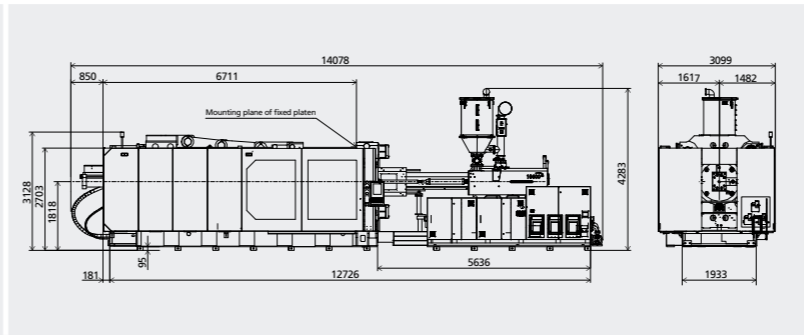
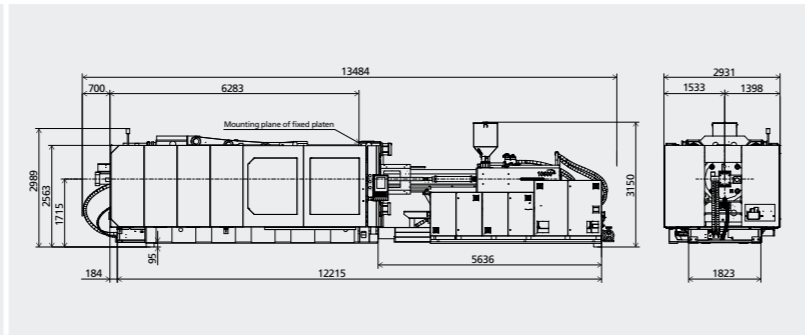
Platen dimensions
Mounting hole for robot/sprue picker top view from fixed platen



Machine dimensions

① Plasticizing capacity (GPPS): China standard GB/22530-2010, 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.

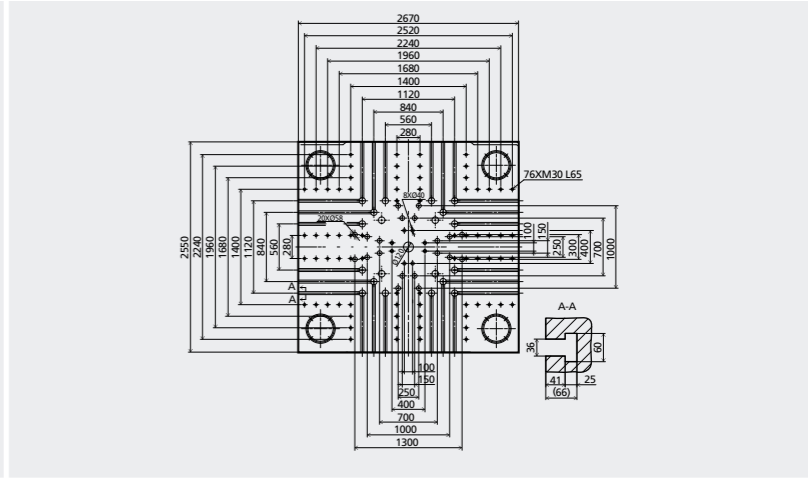
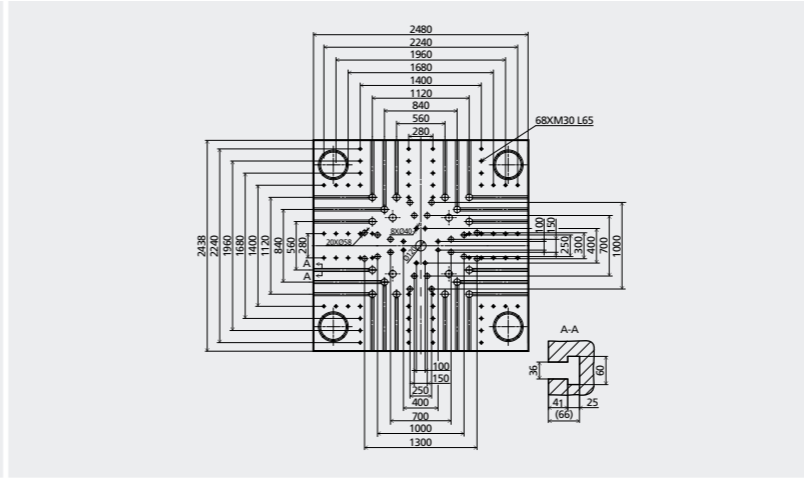
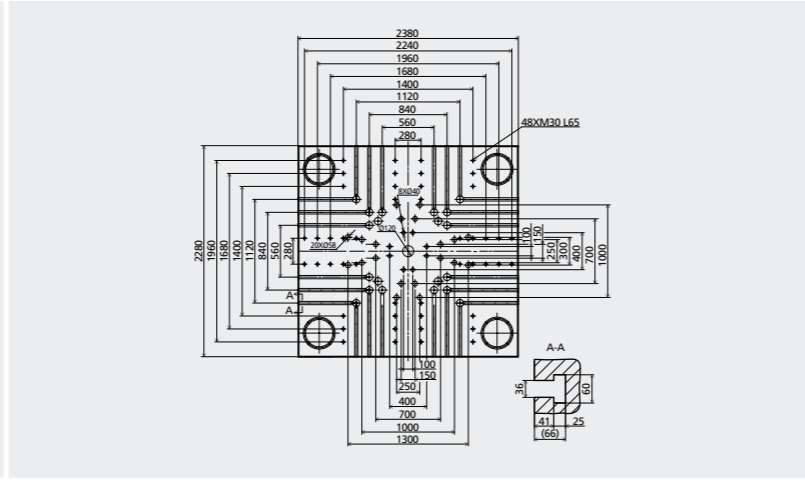


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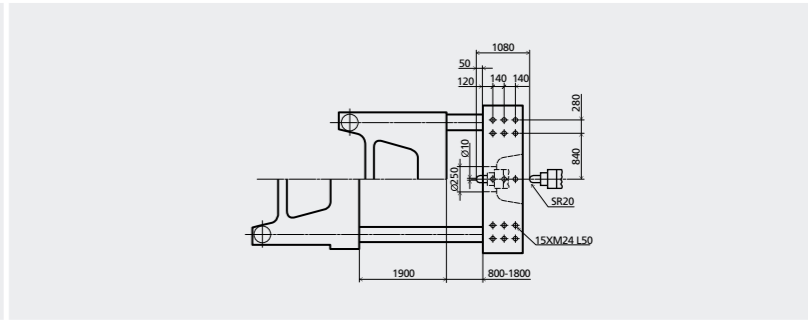
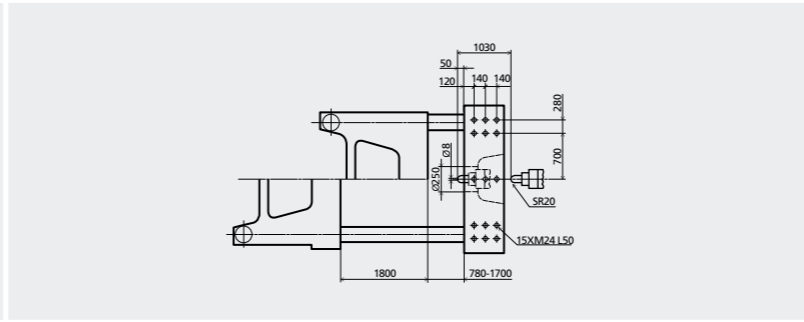
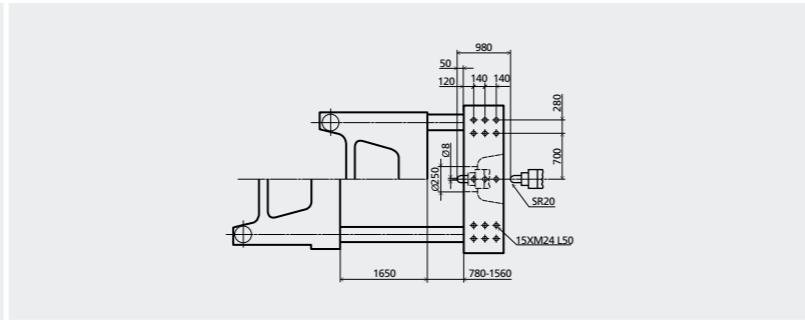
TECHNICAL DATA
MACHINE TYPE

	MA18500 III /15800				MA21000 III /19300				MA24000 III /41000		
INJECTION UNIT											
Screw diameter	mm	A	B	C	A	B	C	D			
Screw L/D ratio		130	140	150	140	150	160	170	185		
Injection volume (theoretical)	cm ³	24	22.3	20.8	24	22.4	21	19.8	21.6		
Injection weight (PS)	g	8362	9698	11133	10468	12017	13672	15435	27687		
Injection rate	g/s	7610	8825	10131	9526	10935	12442	14046	25195		
Injection pressure	MPa	1087	1261	1447	1234	1417	1612	1820	1809		
Plasticizing rate (GPPS) ①	g/s	189	163	142	184	160	141	125	150		
Plasticizing rate (HDPE) ②	g/s	160	183	209	155	176	196	223	176		
Screw speed	rpm	240	269	320	243	293	304	334	320		
CLAMPING UNIT											
Clamping force	kN	18500				21000				24000	
Mold opening stroke	mm	1650				1800				1900	
Dist. between tie bars (HxV)	mm	1650x1500				1750x1600				1850x1700	
Mold height max.	mm	1560				1700				1800	
Mold height min.	mm	780				780				800	
Ejector stroke	mm	400				400				450	
Ejector tonnage	kN	430				430				430	
OTHERS											
Pump motor power	kW	55+55+37				55+55+55				55+55+55+22	
Heater power	kW	99.5				133.7				194.8	
Machine dimension (LxWxH)	m	15.4x4.5x4.8				16.1x4.6x4.8				18.5x4.8x5.0	
Machine weight	t	130				139				165	
Hopper capacity	kg	400				400				400	
Oil tank	l	1770				1940				2060	

Platen dimensions
Moving platen



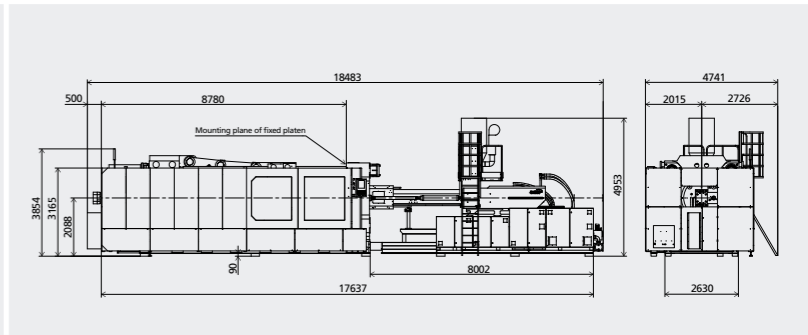
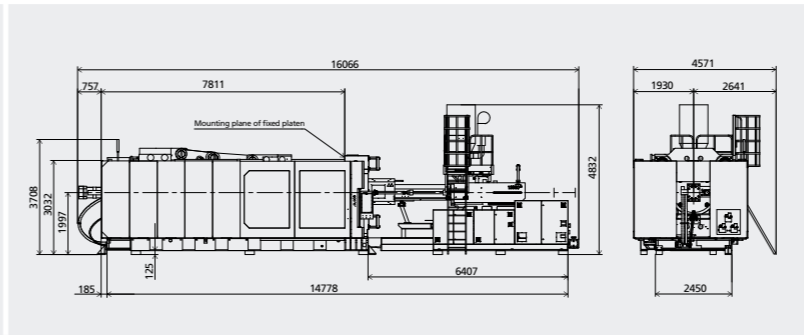
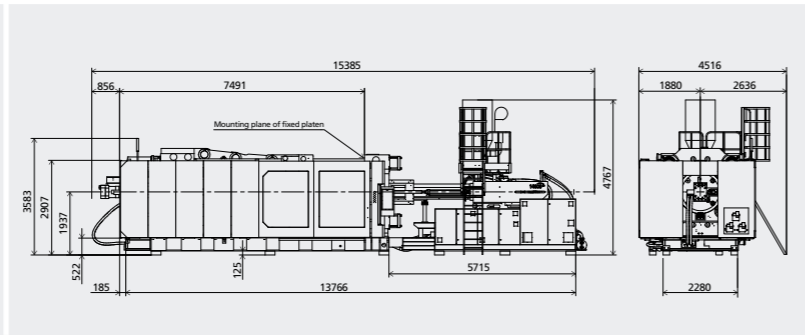
Platen dimensions
Mounting hole for robot/sprue picker top view from fixed platen



Machine dimensions

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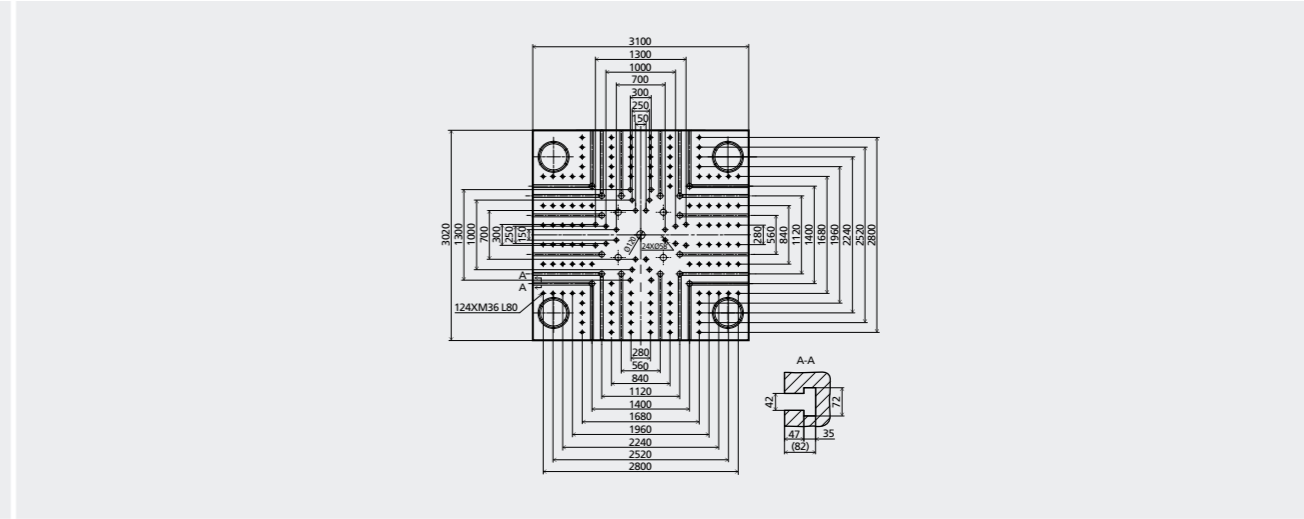
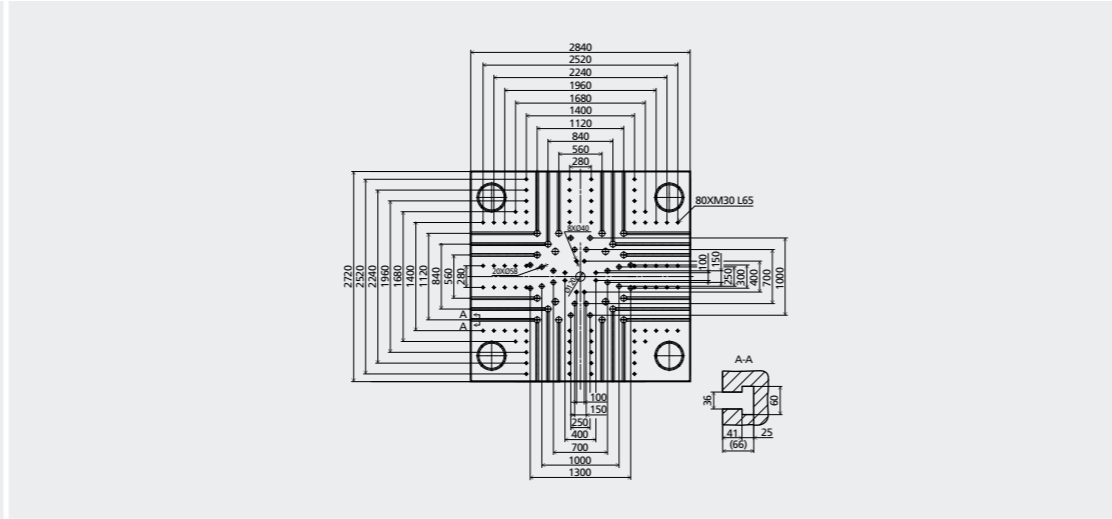


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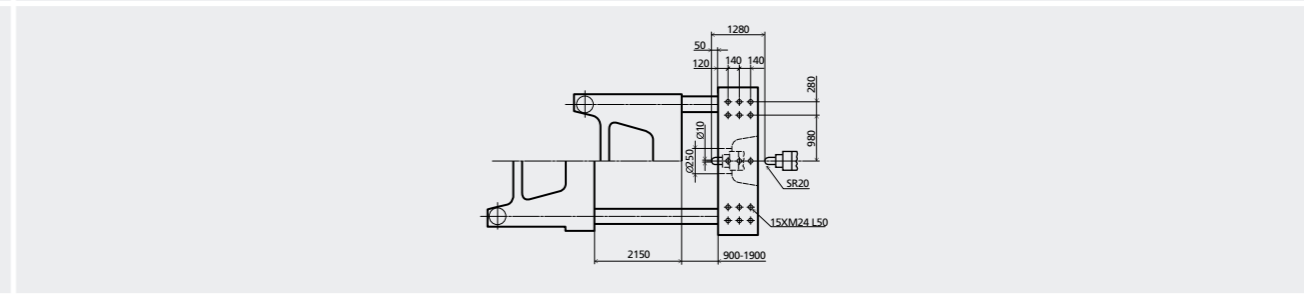
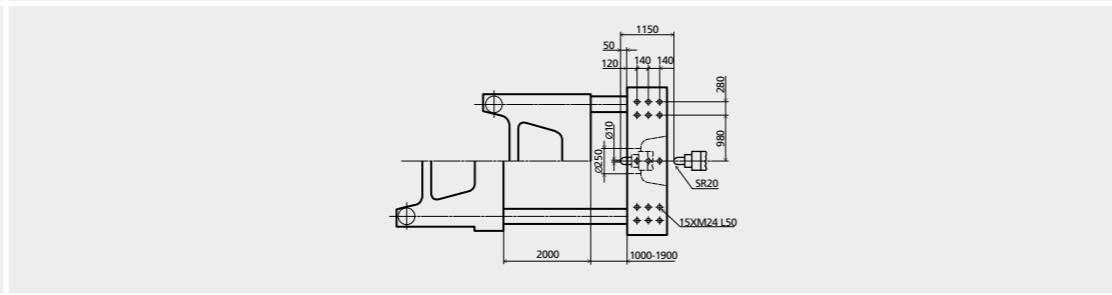
TECHNICAL DATA
MACHINE TYPE

		MA28000 III /52800	MA33000 III /62000
INJECTION UNIT			
Screw diameter	mm	200	220
Screw L/D ratio		20	20.5
Injection volume (theoretical)	cm ³	35186	45616
Injection weight (PS)	g	32019	41510
Injection rate	g/s	2030	2250
Injection pressure	MPa	150	135
Plasticizing rate (GPPS) ①	g/s		
Plasticizing rate (HDPE) ②	g/s	353	364
Screw speed	rpm	0-65	0-52
CLAMPING UNIT			
Clamping force	kN	28000	33000
Mold opening stroke	mm	2000	2150
Dist. between tie bars (HxV)	mm	2000x1750	2160x1900
Mold height max.	mm	1900	1900
Mold height min.	mm	1000	900
Ejector stroke	mm	450	500
Ejector tonnage	kN	430	550
OTHERS			
Pump motor power	kW	55+55+55+55	55+55+55+55
Heater power	kW	194.8	210.6
Machine dimension (LxWxH)	m	19.6x4.8x5.1	21.1x5.0x5.3
Machine weight	t	197	255
Hopper capacity	kg	400	400
Oil tank	l	2640	2640

Platen dimensions
Moving platen



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



Machine dimensions

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