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SPECIFICATIONS

GLOBAL



HAITIAN MARS III SERIES

Energy-saving servo injection molding machines

13,000 - 33,000 kN

HT 20201215-IV



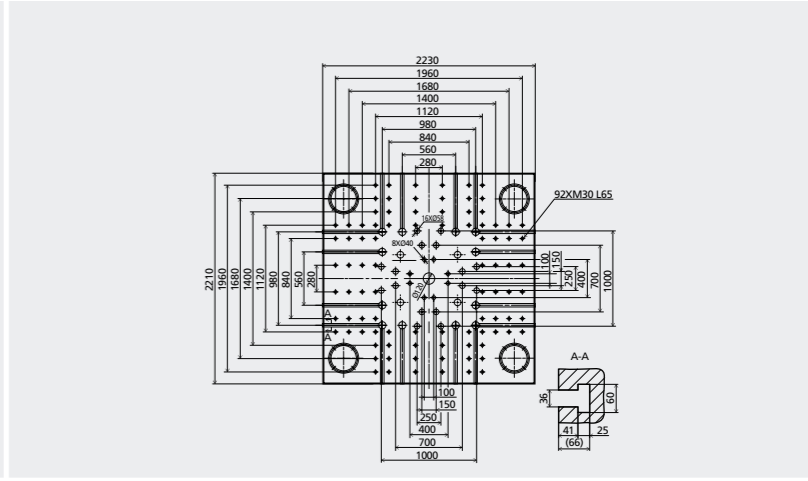
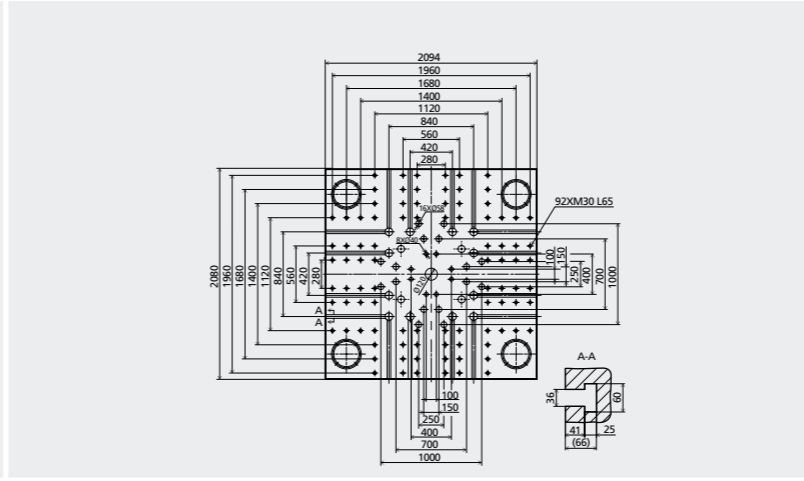
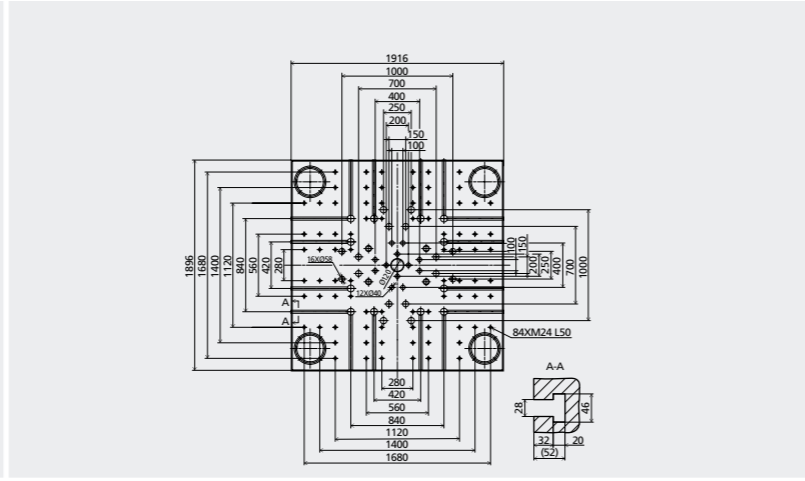
TECHNOLOGY TO THE POINT

SPECIFICATION

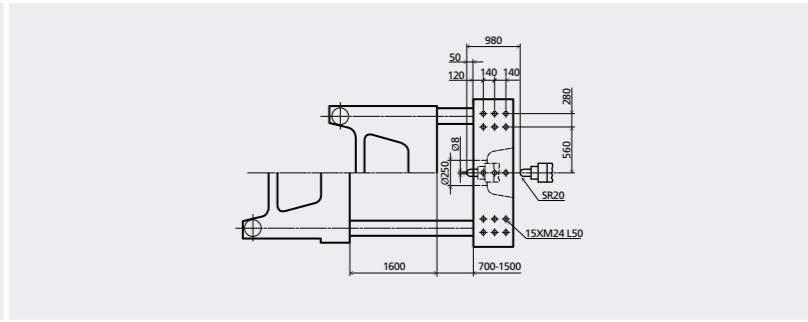
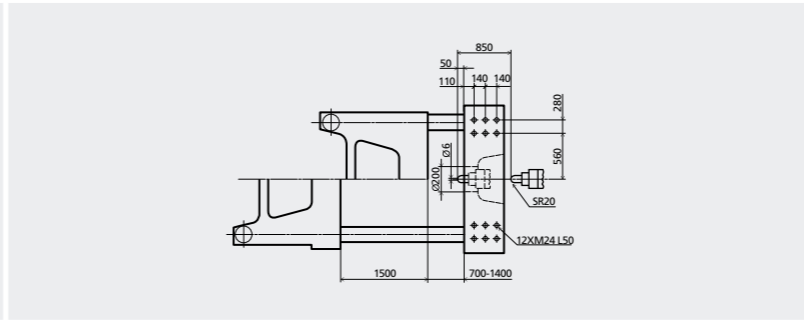
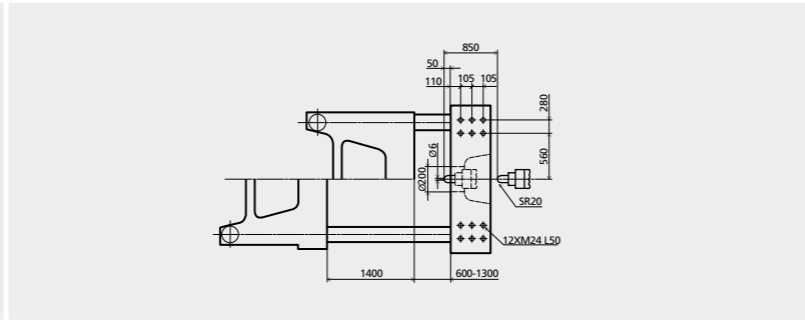
TECHNICAL DATA
MACHINE TYPE

	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 force	kN	215				318				318		
OTHERS												
Pump motor power	kW	45+37+37				45+37+37				55+55+37		
Heater power	kW	104				104				119		
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



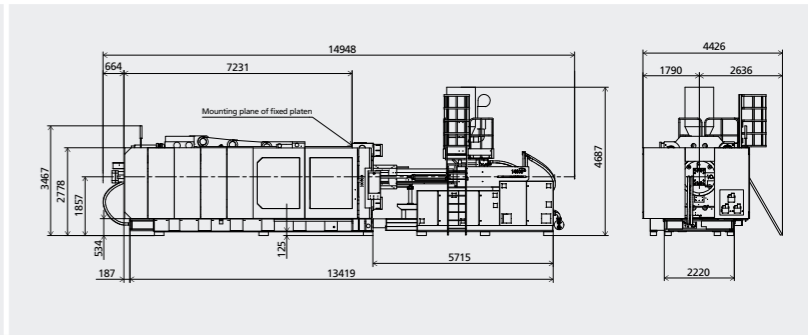
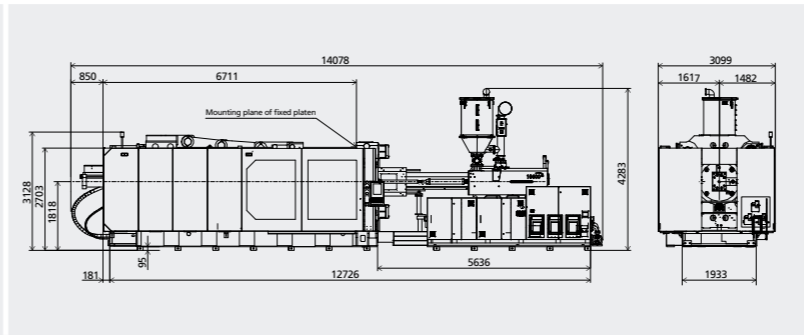
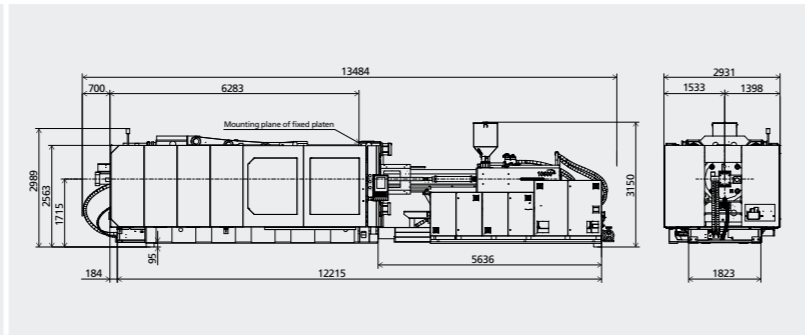
Platen dimensions
Mounting hole for robot/sprue picker top view from fixed platen



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.

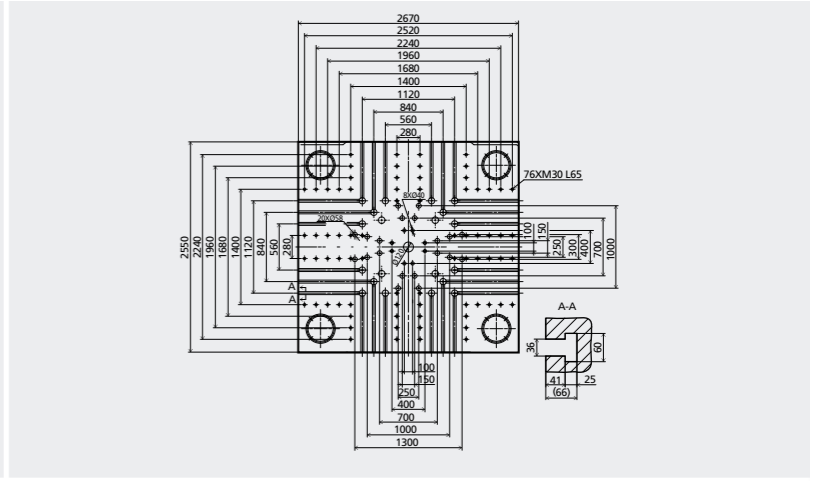
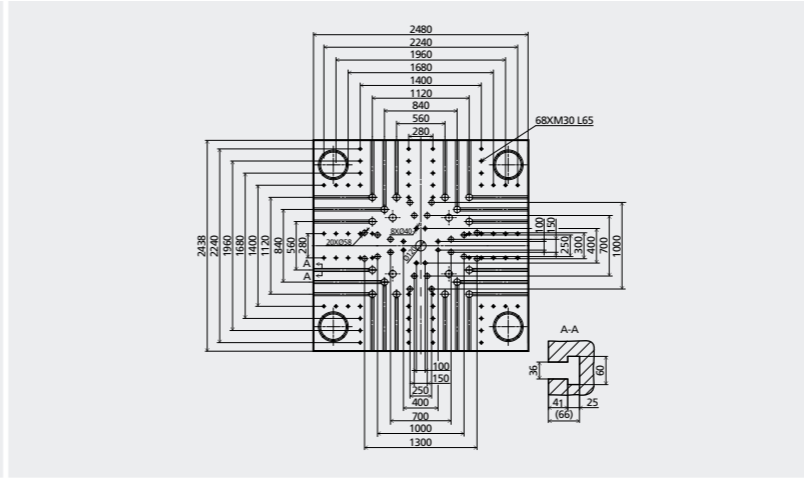
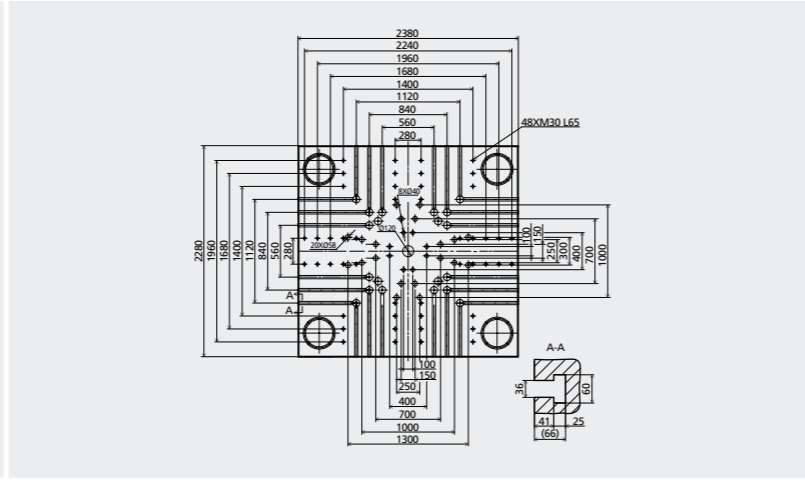


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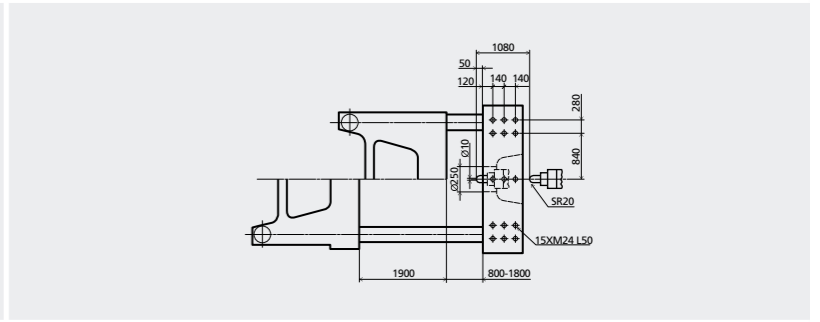
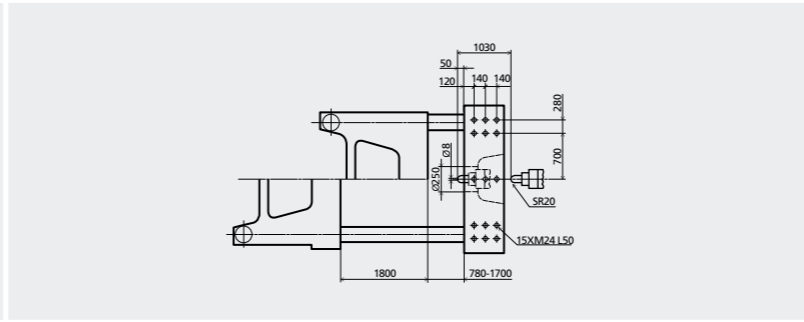
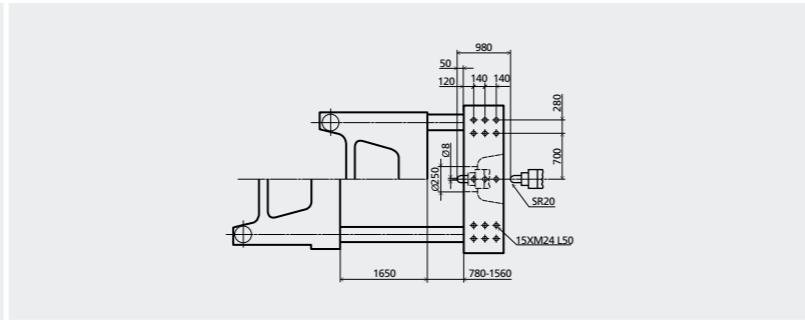
TECHNICAL DATA
MACHINE TYPE

	MA18500 III /15800			MA21000 III /19300				MA24000 III /41000
	A	B	C	A	B	C	D	
INJECTION UNIT								
Screw diameter	mm	130	140	150	140	150	160	170
Screw L/D ratio		24	22.3	20.8	24	22.4	21	19.8
Injection volume (theoretical)	cm ³	8362	9698	11133	10468	12017	13672	15435
Injection weight (PS)	g	7610	8825	10131	9526	10935	12442	14046
Injection rate	g/s	1087	1261	1447	1234	1417	1612	1820
Injection pressure	MPa	189	163	142	184	160	141	125
Plasticizing rate (GPPS) ①	g/s	160	183	209	155	176	196	223
Plasticizing rate (HDPE) ②	g/s	240	269	320	243	293	304	334
Screw speed	rpm		0-97			0-85		0-70
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 force	kN		430			430		430
OTHERS								
Pump motor power	kW		55+55+37			55+55+55		55+55+55+22
Heater power	kW		119			133.7		215.6
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



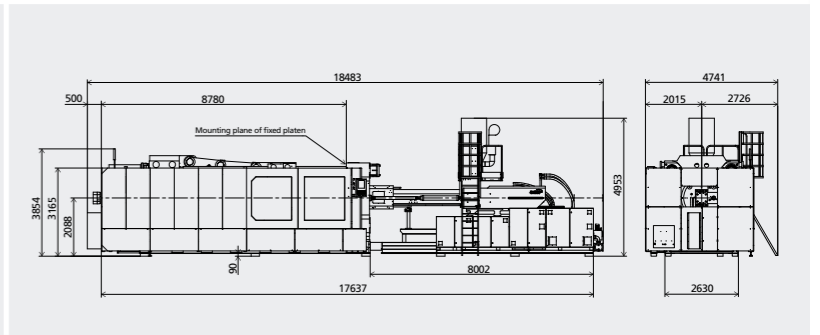
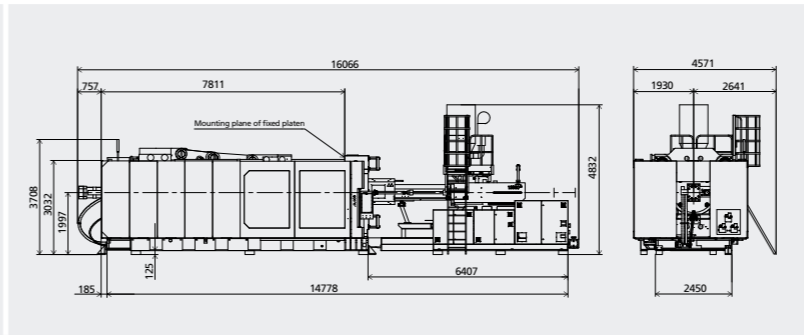
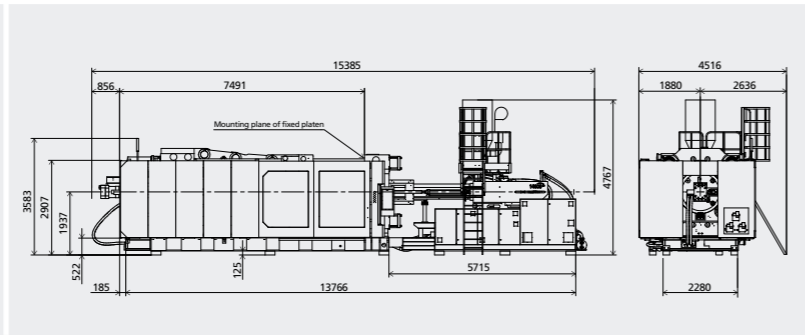
Platen dimensions
Mounting hole for robot/sprue picker top view from fixed platen



Machine dimensions

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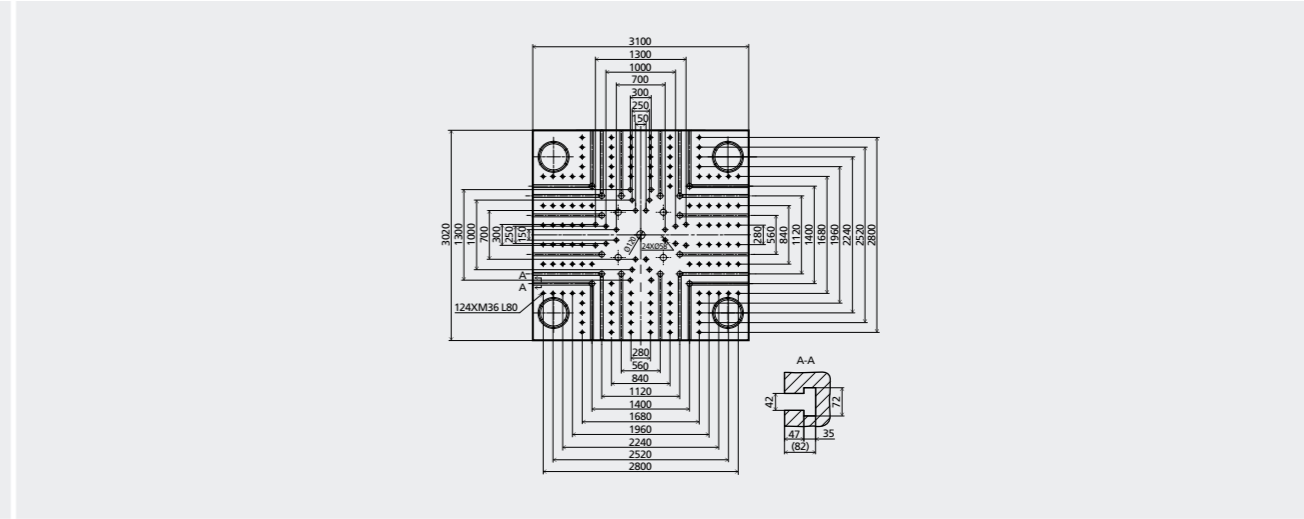
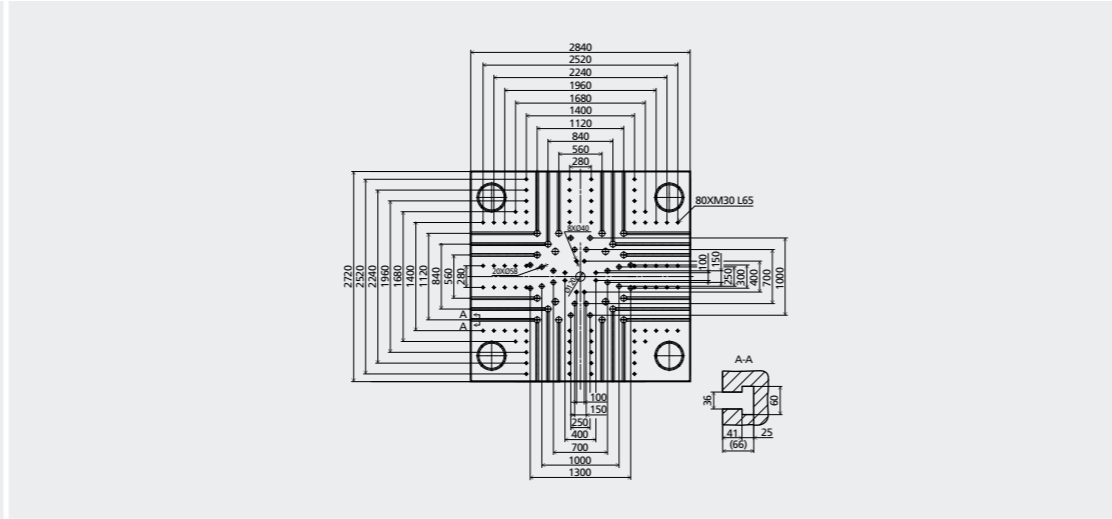


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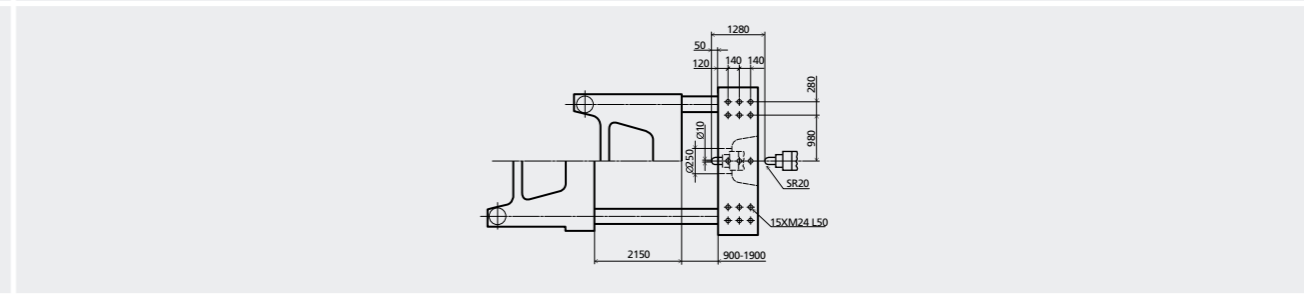
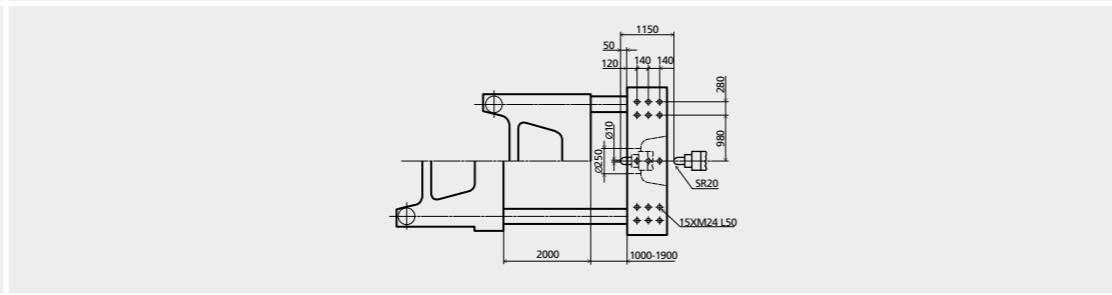
TECHNICAL DATA
MACHINE TYPE

		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	2039	2260
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 force	kN	430	550
OTHERS			
Pump motor power	kW	55+55+55+55	55+55+55+55
Heater power	kW	215.6	223.4
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



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