

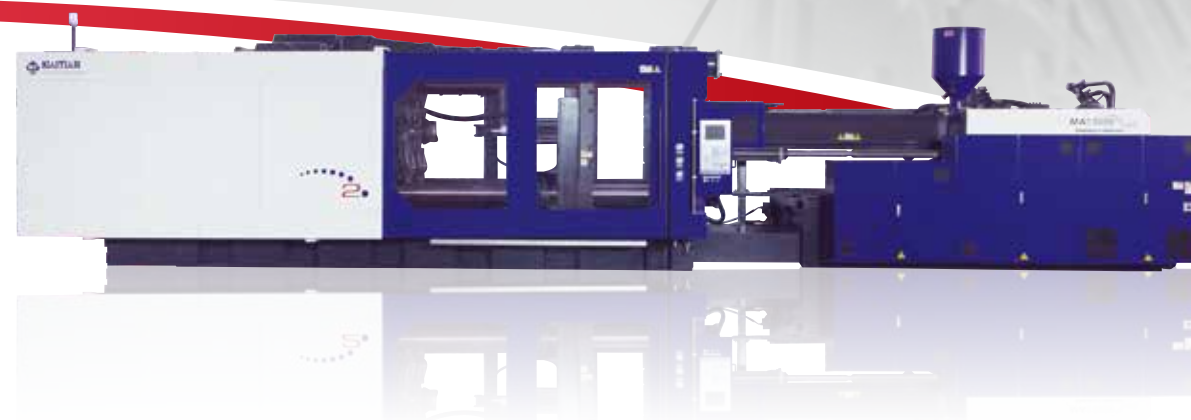
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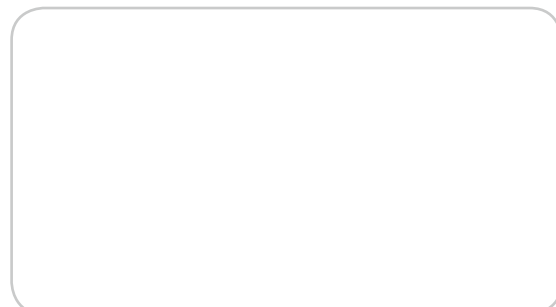
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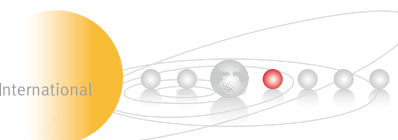
Haitian **Mars²** Series
Specifications / International
12000-33000KN



Haitian Partner:



HT 20170308-IV



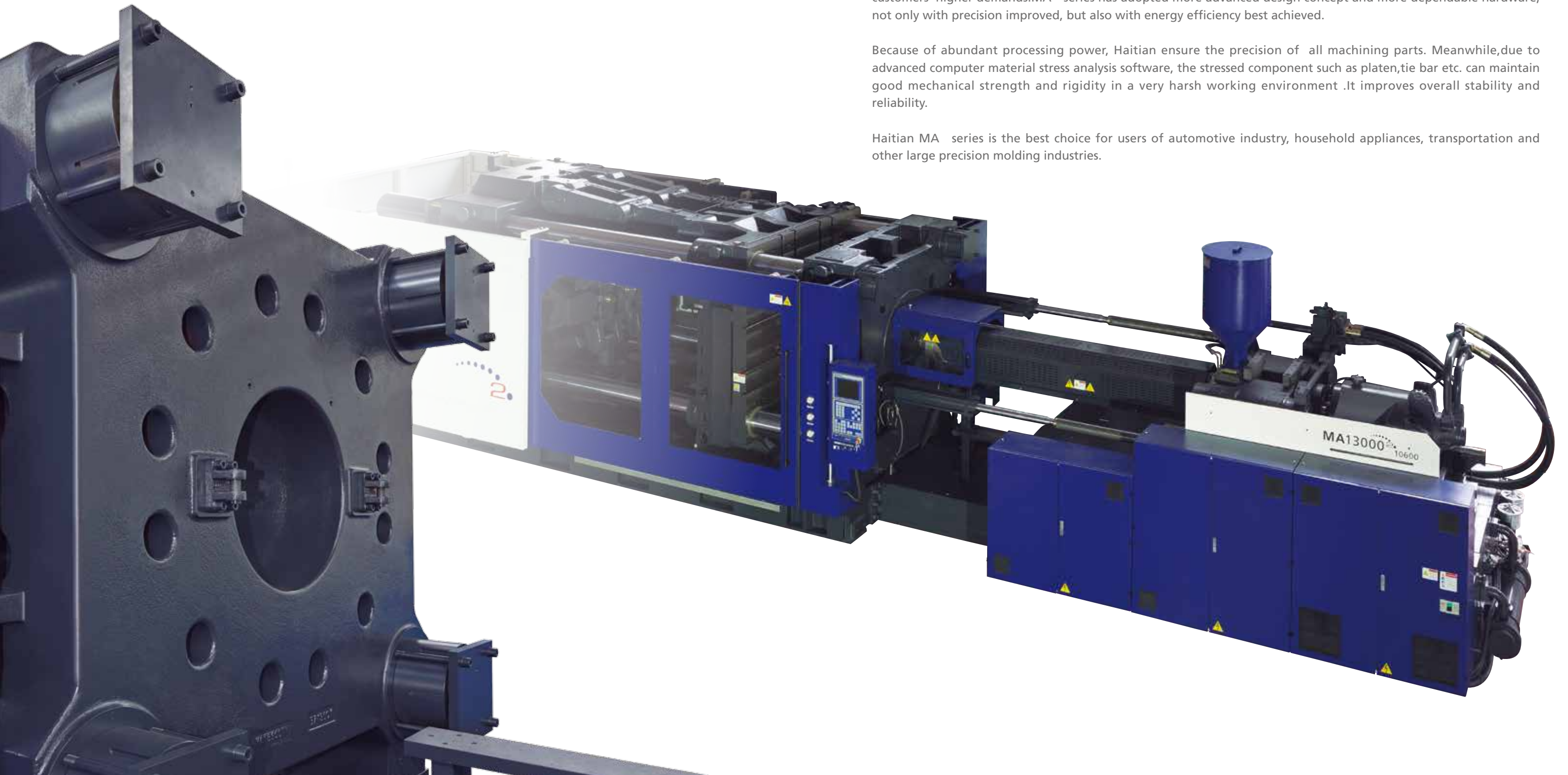
Haitian Mars Series

Second generation large energy-saving servo injection molding machines

Haitian MA large energy-saving servo injection molding machine, with its superior quality, has always won the trust of customers at home and abroad. Haitian launches the second generation of MA series on the basis of MA to meet customers' higher demands. MA series has adopted more advanced design concept and more dependable hardware, not only with precision improved, but also with energy efficiency best achieved.

Because of abundant processing power, Haitian ensure the precision of all machining parts. Meanwhile, due to advanced computer material stress analysis software, the stressed component such as platen, tie bar etc. can maintain good mechanical strength and rigidity in a very harsh working environment. It improves overall stability and reliability.

Haitian MA series is the best choice for users of automotive industry, household appliances, transportation and other large precision molding industries.



Haitian Mars Series

Second generation large energy-saving servo injection molding machines

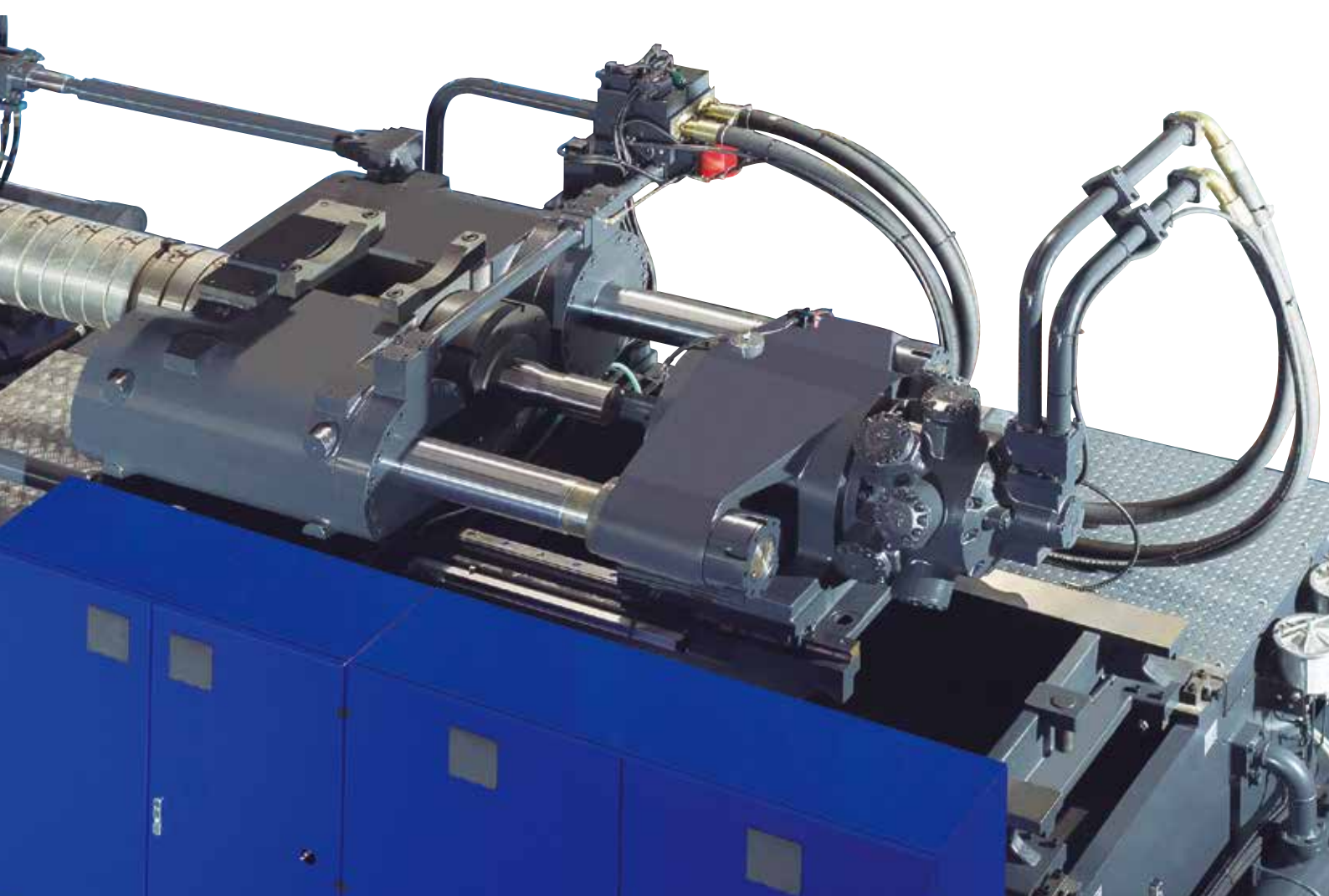


Figure ①
New optimized hydraulic system and high precision, highly sensitive control components ensure the reliability of piping, fast response, good dynamic performance.

Figure ②
The linear guide rail of screw drive base has low friction, quick response and good follow-up, greatly improved the rigidity and precision for the injection unit.(13000-40000KN)

Figure ③
Turning of barrel support height more convenient. (Except 8400 injection unit)

Figure④
Using of 110KW, 75KW etc. high-power servo motor not only reduce the quantity of motor, simplified the valve manifold piping and the design of electrical control ,but also compact construction of the machine.

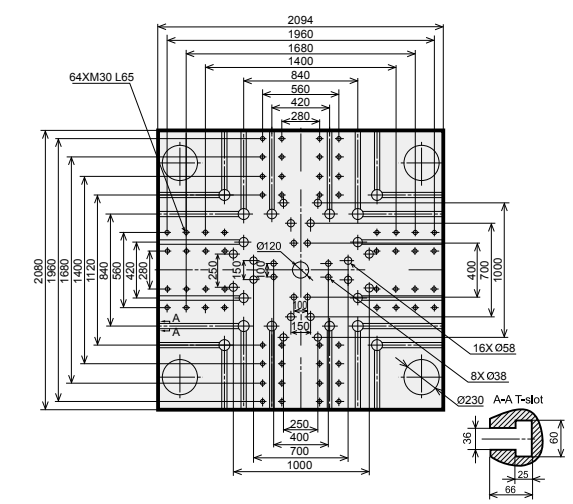
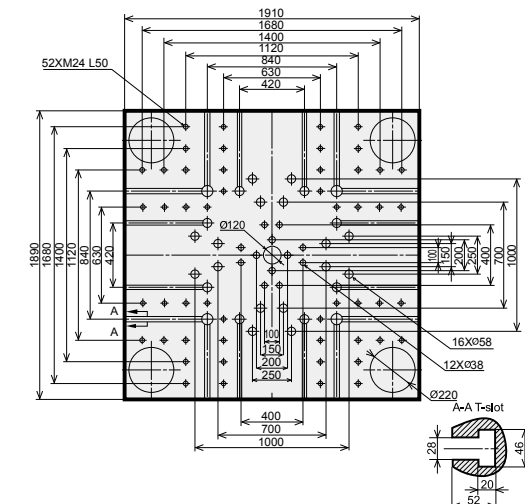
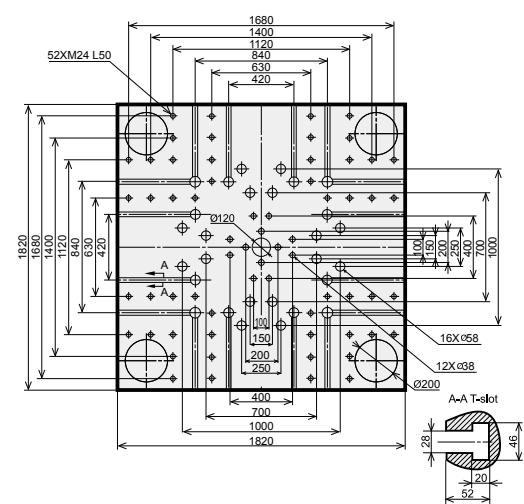
Figure ⑤
High rigidity of movable platen base ensures fixed platen and movable platen absolute parallel during the whole course of mold open/close, so mold bearing capacity greatly improved.

Specification

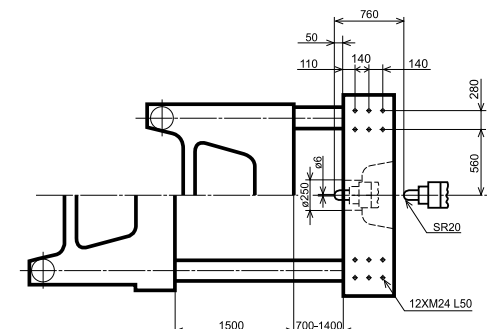
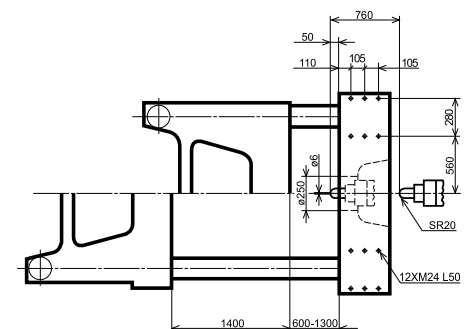
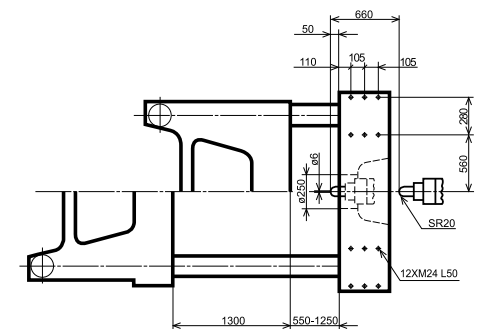
INJECTION UNIT	
Screw diameter	mm
Screw L/D ratio	L/D
Shot size (theoretical)	cm ³
Injection weight (PS)	g
Injection rate (PS)	g/s
Injection pressure	MPa
Plasticizing rate (PS)	g/s
Screw speed	rpm
CLAMPING UNIT	
Clamp tonnage	kN
Toggle stroke	mm
Space between tie bars	mm
Max. mold height	mm
Min. mold height	mm
Ejector stroke	mm
Ejector force	kN
OTHERS	
Max. pump pressure	MPa
Pump motor power	kW
Heater power	kW
Machine dimension (l x w x h)	m
Machine weight	t
Hopper capacity	kg
Oil tank capacity	l

MA12000 /8400				MA13000 /10600				MA14000 /10600			
A	B	C	D	A	B	C	D	A	B	C	D
100	110	120	130	110	120	130	140	110	120	130	140
24.2	22	20.2	18.6	26.2	24	22.2	20.6	26.2	24	22.2	20.6
4006	4847	5768	6769	5227	6220	7300	8467	5227	6220	7300	8467
3645	4411	5249	6160	4756	5661	6643	7705	4756	5661	6643	7705
708	857	1019	1196	806	960	1126	1306	806	960	1126	1306
211	174	146	125	204	171	146	126	204	171	146	126
101	121	140	161	119	138	159	182	119	138	159	182
0~116				0~102				0~102			
12000				13000				14000			
1300				1400				1500			
1250x1250				1350x1280				1450x1350			
1250				1300				1400			
550				600				700			
320				350				350			
215				215				318			
16				17.5				17.5			
55+37				75+37				75+37			
83				104				104			
12.7x2.7x3.8				13.5x2.95x4.3				13.8x3.1x4.5			
61				71				87			
200				400				400			
1480				1520				1520			

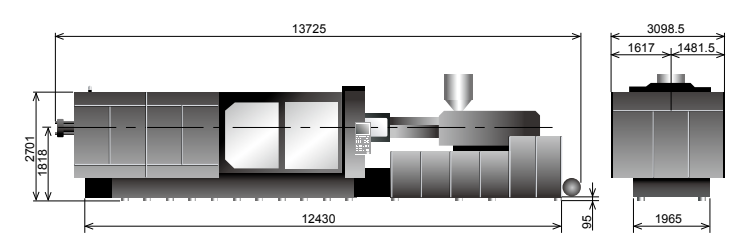
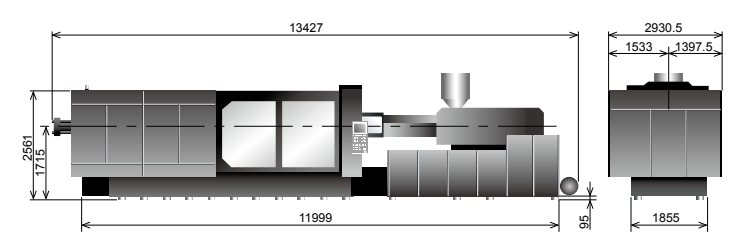
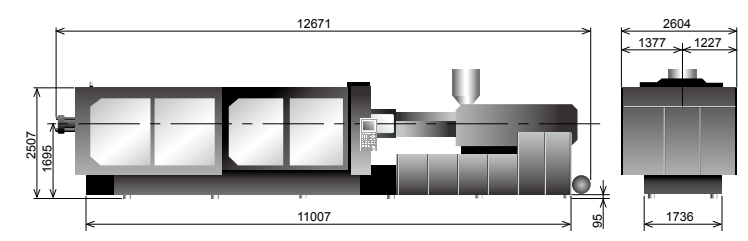
Platen dimensions
Moving platen



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



Machine dimensions



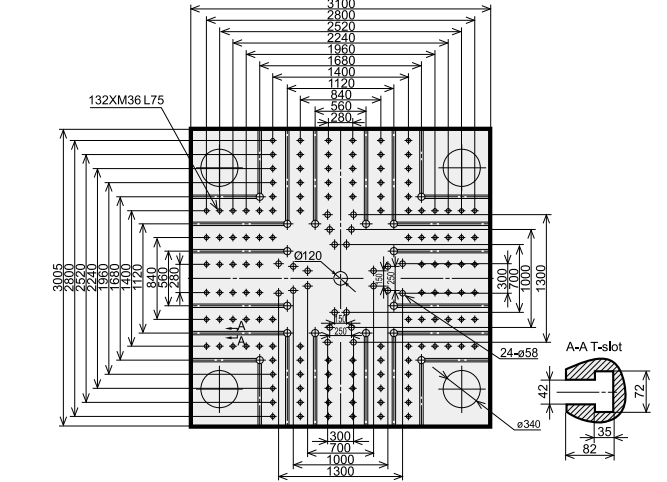
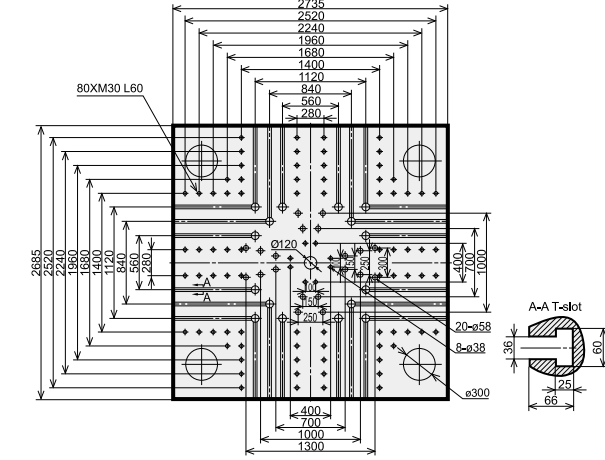
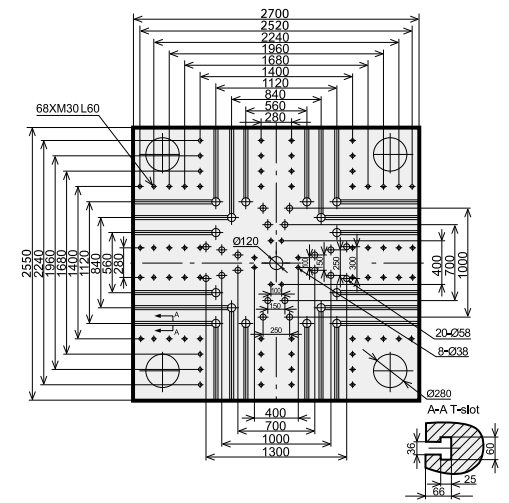
We reserve the right to make changes as a result of further technical advantages.

Specification

		MA24000		MA28000			MA33000 /62000	
INJECTION UNIT								
Screw diameter	mm	19300	37000	37000	50000	62000		220
Screw L/D ratio	L/D	22.4	21.6	23.5	20	20.5		20.5
Shot size (theoretical)	cm ³	12017	26074	22017	35186	45616		45616
Injection weight (PS)	g	10935	23727	20035	32019	41510		41510
Injection rate (PS)	g/s	1399	1807	1526	2153	2247		2247
Injection pressure	MPa	160	140	166	141	135		135
Plasticizing rate (PS)	g/s	174	254	238	253	264		264
Screw speed	rpm	0~84	0~70	0~70	0~60	0~50		0~50
CLAMPING UNIT								
Clamp tonnage	kN	24000		28000			33000	
Toggle stroke	mm	1900		2000			2150	
Space between tie bars	mm	1850x1700		1900x1750			2160x1900	
Max. mold height	mm	1800		1900			1900	
Min. mold height	mm	800		1000			900	
Ejector stroke	mm	450		450			500	
Ejector force	kN	430		430			550	
OTHERS								
Max. pump pressure	MPa	17.5		17.5			17.5	
Pump motor power	kW	110+55	110+75	110+75	110+55+55	110+55+55		110+55+55
Heater power	kW	133.3	215.2	215.2	215.2	233		233
Machine dimension (l x w x h)	m	16.8x4.8x5.4	18.5x4.8x5.5	19.1x4.8x5.5	19.6x4.8x5.5	20.5x4.8x5.5		20.9x4.8x5.6
Machine weight	t	157	165	192	197	209		255
Hopper capacity	kg	400	400	400	400	400		400
Oil tank capacity	l	1940	2060	2060	2640	2640		2640

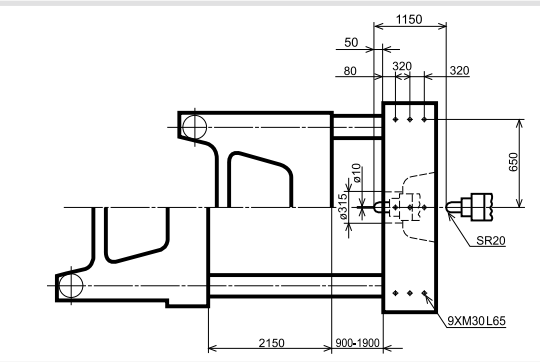
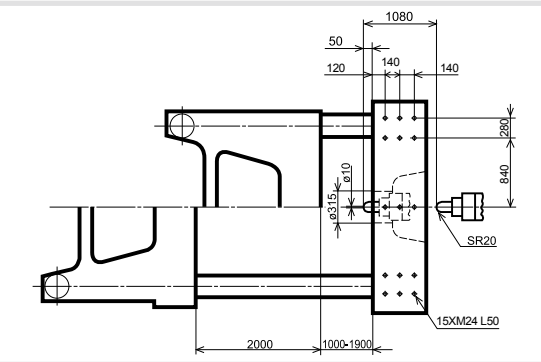
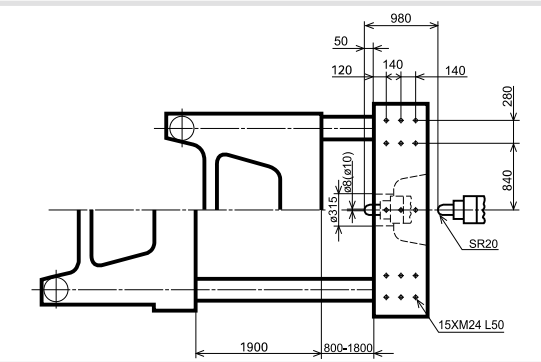
Platen dimensions

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



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