

HAITIAN INTERNATIONAL HOLDINGS LIMITED
Unit 1105 Level 11
Metroplaza Tower 2
223 Hing Fong RD Kwai Fong N.T
haitian@mail.haitian.com
www.haitian.com

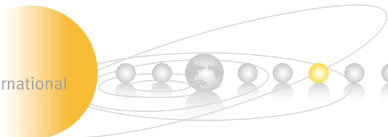
NINGBO HAITIAN HUAYUAN MACHINERY CO., LTD.
Export Processing Zone, Ningbo 315800 China
+86-574-86177242
+86-574-86221864
haitian@mail.haitian.com
www.haitian.com

Haitian **Iapetus²** Series
Specifications / International



Haitian Partner:

HT 20140418-IV



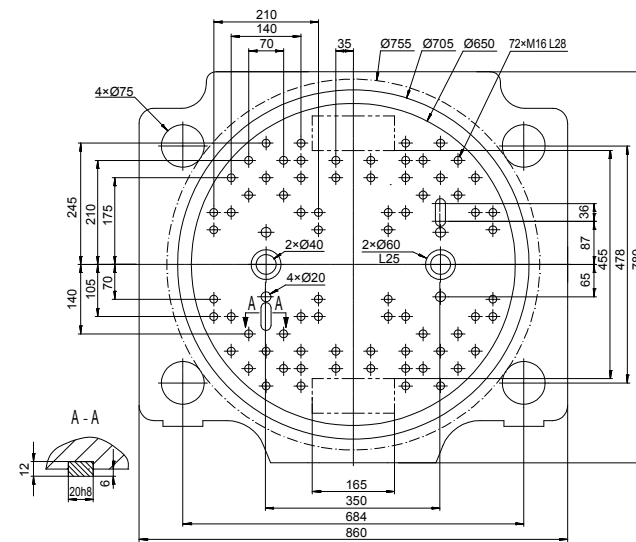
Specification

Turntable multi-color machine with wide mold platen

		IA1200 II / b-j												IA1600 II / b-j																											
INJECTION UNIT		Type 1					Type 2				Type 3				Type 1						Type 2						Type 3				Type 4				Type 5						
		A	B	C	A	B	A	B	A	B	A	B	A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B	A	B	A	B									
Screw Diameter	mm	26	30	34	22	26	22	26	22	26	22	26	19	22	32	36	40	26	30	34	26	30	34	26	30	34	22	26	22	26	22	26	19	22							
Screw L/D Ratio	L/D	24	21	19	20	20	20	20	20	20	20	20	20	20	22.5	20	18	24	21	19	24	21	19	24	21	19	20	20	20	20	20	20	20								
Shot Size (Theoretical)	cm ³	66	88	113	38	53	38	53	38	53	38	53	21	36	122	155	191	66	88	113	66	88	113	66	88	113	38	53	38	53	38	53	21	36							
Injection Weight (PS)	g	60	80	103	35	48	35	48	35	48	35	48	19	33	111	141	174	60	80	103	60	80	103	60	80	103	35	48	35	48	35	48	19	33							
Injection Rate	g/s	52	69	89	46	64	46	64	46	64	46	64	47	63	75	95	118	52	69	89	72	95	122	52	69	89	46	64	63	88	46	64	63	88							
Plasticizing Capacity(ps)	g/s	6.1	8.3	11.2	3	5.3	3	5.3	3	5.3	3	5.3	2.5	3.6	10.1	13.3	16.1	6.1	8.3	11.2	7.3	10.0	13.4	6.1	8.3	11.2	3	5.3	3.6	6.4	3	5.3	3.6	6.4							
Injection Pressure	MPa	237	178	138	268	192	268	192	268	192	268	192	249	186	225	178	144	237	178	138	237	178	138	237	178	138	268	192	268	192	268	192	249	186							
Screw Speed	Rpm	0-246				0-246				0-246				0-246				0-240				0-246				0-300				0-246				0-300				0-300			
CLAMPING UNIT																																									
Clamp Tonnage	KN	1200												1600																											
Toggle Stroke	mm	310												340																											
Space Between Tie Bars	mm	609×403												700×420																											
Diameter of Rotational Mold Adapter	mm	Φ650												Φ730																											
Bearing Capacity of Rotary Platen	t	0.4												0.6																											
Max.Mold Height	mm	400												430																											
Min. Mold Height	mm	120												150																											
Ejector Stroke	mm	90												100																											
Ejector Tonnage	KN	22×2												33×2																											
Distance Between Molds Positing Centers	mm	350												420																											
OTHERS																																									
Max. Pump Pressure	Mpa	16												16																											
Pump Motor Power	Kw	7.5+7.5				7.5+7.5				7.5+7.5				11+7.5						11+7.5						11+7.5				11+7.5											
Heater Power	Kw	5.9		4.4	6.8	4.4	6.8	4.4	6.8	4.4	6.8	4.05	4.95	10.5		5.9		5.9		5.9		5.9		5.9	4.4	6.8	4.4	6.8	4.4	6.8	4.4	6.8	4.05	4.95							
Machine Dimension(L×W×H)	m	5.0×1.7×1.88												5.3×1.8×1.96																											
Machine Weight	t	5				4.9				4.9				7.1						7						7				6.9				6.9							
Hopper Capacity	Kg	25		25		25		25		25		25		25	25		25		25		25		25		25		25		25		25		25								
Oil Tank Capacity	l	210												250																											

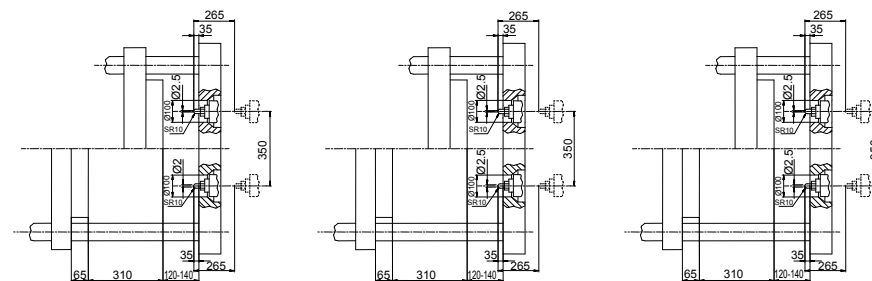
Platen dimensions

Moving platen

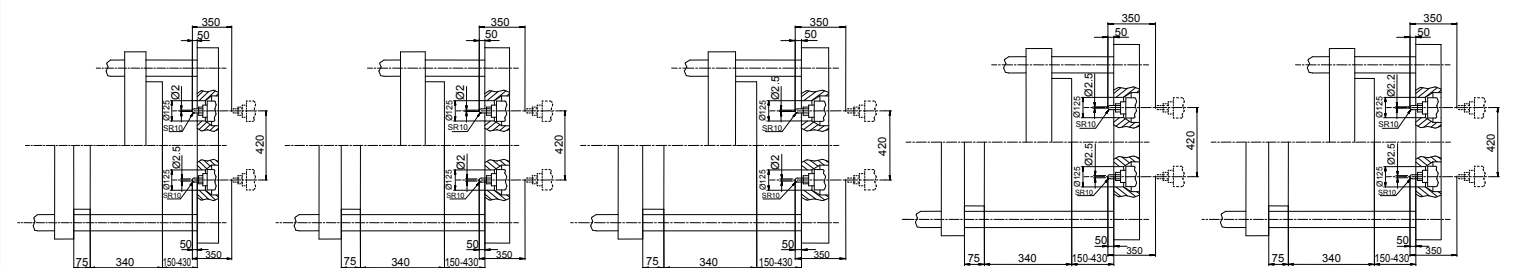
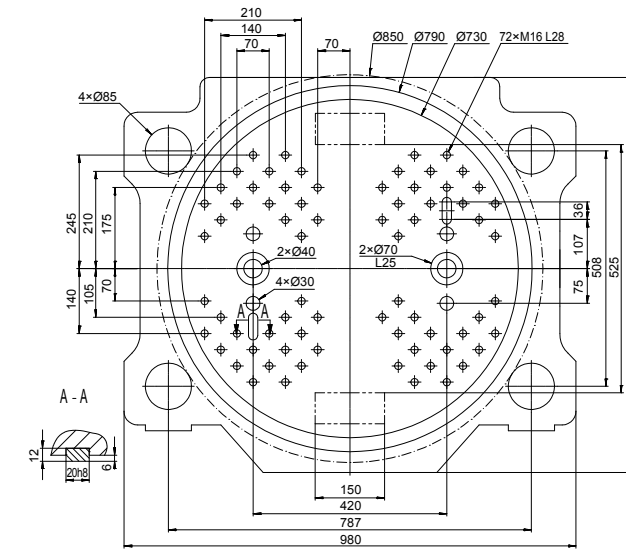


Platen dimensions

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



Note: there is a ejector hole (M12) on the mold ejector plate, which is used for installing ejector transitional pin.



Note: there is a ejector hole (M16) on the mold ejector plate, which is used for installing ejector transitional pin.

Specification

Turntable multi-color machine with wide mold platen

INJECTION UNIT

Screw Diameter	mm
Screw L /D Ratio	L/D
Shot Size (Theoretical)	cm ³
Injection Weight (PS)	g
Injection Rate	g/s
Plasticizing Capacity(ps)	g/s
Injection Pressure	MPa
Screw Speed	Rpm

CLAMPING UNIT

Clamp Tonnage	KN
Toggle Stroke	mm
Space Between Tie Bars	mm
Diameter of Rotational Mold Adapter	mm
Bearing Capacity of Rotary Platen	t
Max.Mold Height	mm
Min. Mold Height	mm
Ejector Stroke	mm
Ejector Tonnage	KN
Distance Between Molds Positing Centers	mm

OTHERS

Max. Pump Pressure	Mpa
Pump Motor Power	Kw
Heater Power	Kw
Machine Dimension(LxWxH)	m
Machine Weight	t
Hopper Capacity	Kg
Oil Tank Capacity	l

Platen dimensions

Moving platen

Platen dimensions

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

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

IA2000 II / b-j

Type 1						Type 2						Type 3						Type 4			
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B			
32	36	40	26	30	34	26	30	34	26	30	34	26	30	34	22	26	22	26			
22.5	20	18	24	21	19	24	21	19	24	21	19	24	21	19	20	20	20	20			
122	155	191	66	88	113	66	88	113	66	88	113	66	88	113	38	53	38	53			
111	141	174	60	80	103	60	80	103	60	80	103	60	80	103	35	48	35	48			
88	112	138	52	69	89	72	95	122	52	69	89	72	95	122	46	64	63	88			
11.4	15	18.2	6.1	8.3	11.2	7.3	10.0	13.4	6.1	8.3	11.2	7.3	10.0	13.4	3	5.3	3.6	6.4			
225	178	144	237	178	138	237	178	138	237	178	138	237	178	138	268	192	268	192			
0-280			0-246			0-300			0-246			0-300			0-246			0-300		0-246	

Specification

Turntable multi-color machine with wide mold platen

INJECTION UNIT

Screw Diameter	mm
Screw L /D Ratio	L/D
Shot Size (Theoretical)	cm ³
Injection Weight (PS)	g
Injection Rate	g/s
Plasticizing Capacity(ps)	g/s
Injection Pressure	MPa
Screw Speed	Rpm

CLAMPING UNIT

Clamp Tonnage	KN
Toggle Stroke	mm
Space Between Tie Bars	mm
Diameter of Rotational Mold Adapter	mm
Bearing Capacity of Rotary Platen	t
Max.Mold Height	mm
Min. Mold Height	mm
Ejector Stroke	mm
Ejector Tonnage	KN
Distance Between Molds Positing Centers	mm

OTHERS

Max. Pump Pressure	Mpa
Pump Motor Power	Kw
Heater Power	Kw
Machine Dimension(LxWxH)	m
Machine Weight	t
Hopper Capacity	Kg
Oil Tank Capacity	l

Platen dimensions

Moving platen

Platen dimensions

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

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

Note: there is a ejector hole (M16) on the mold ejector plate, which is used for installing ejector transitional pin.

Note: there is a ejector hole (M16) on the mold ejector plate, which is used for installing ejector transitional pin.

Specification

Turntable multi-color machine with narrow mold platen

INJECTION UNIT

Screw Diameter	mm
Screw L /D Ratio	L/D
Shot Size (Theoretical)	cm ³
Injection Weight (PS)	g
Injection Rate	g/s
Plasticizing Capacity(ps)	g/s
Injection Pressure	MPa
Screw Speed	Rpm

IA2000 II / n-j						IA10000 II / n-j					
A	B	C	A	B	C	A	B	C	A	B	C
32	36	40	32	36	40	65	70	75	45	50	55
22.5	20	18	22.5	20	18	21.5	20	18.7	22.2	20	18.2
122	155	191	122	155	191	1068	1239	1423	334	412	499
111	141	174	111	141	174	972	1127	1295	304	375	454
88	112	138	75	95	118	279	323	371	144	178	216
11.4	15	18.2	10.1	13.3	16.1	50.2	57.7	65.3	21.5	27	33
225	178	144	225	178	144	218	188	164	215	174	144
0-280			0-240			0-190			0-185		

CLAMPING UNIT

Clamp Tonnage	KN
Toggle Stroke	mm
Space Between Tie Bars	mm
Diameter of Rotational Mold Adapter	mm
Bearing Capacity of Rotary Platen	t
Max.Mold Height	mm
Min. Mold Height	mm
Ejector Stroke	mm
Ejector Tonnage	KN
Distance Between Molds Positing Centers	mm

2000	10000
490	1220
530×530	1160×1160
Φ670	Φ1495
0.7	7
510	1160
200	500
120	300
28×2	110×2
250(Optional 200)	710

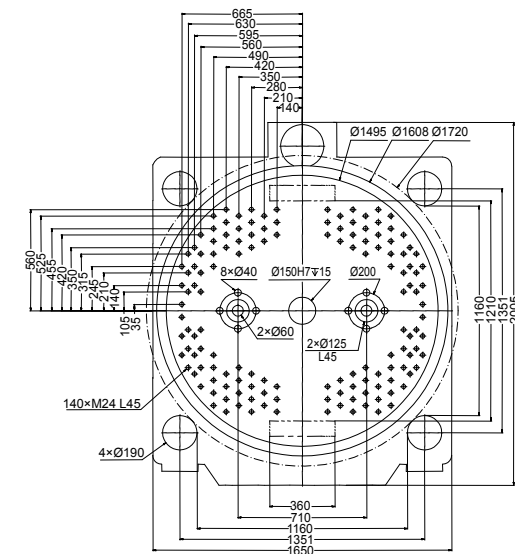
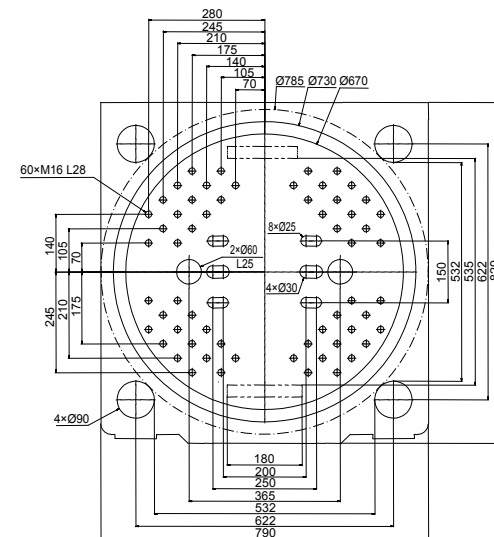
OTHERS

Max. Pump Pressure	Mpa
Pump Motor Power	Kw
Heater Power	Kw
Machine Dimension(L×W×H)	m
Machine Weight	t
Hopper Capacity	Kg
Oil Tank Capacity	l

	16		16	
	13+11		37+18.5	
10.5		10.5	27.3	17.3
	5.9×1.6×2.07		10.8×2.6×2.72	
	7		54	
25		25	50	50
	310		1120	

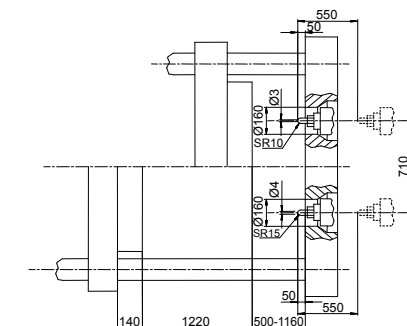
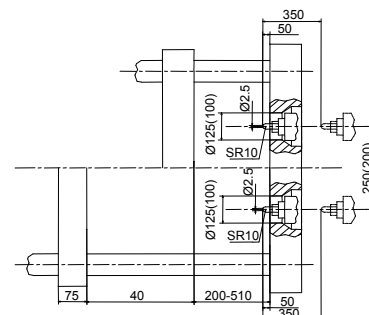
Platen dimensions

Moving platen



Platen dimensions

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



Note: there is a ejector hole (M12) on the mold ejector plate, which is used for installing ejector transitional pin.

Note: there is a ejector hole (M20) on the mold ejector plate, which is used for installing ejector transitional pin.

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

Specification

Turntable multi-color machine with narrow mold platen

INJECTION UNIT

Screw Diameter	mm
Screw L /D Ratio	L/D
Shot Size (Theoretical)	cm ³
Injection Weight (PS)	g
Injection Rate	g/s
Plasticizing Capacity(ps)	g/s
Injection Pressure	MPa
Screw Speed	Rpm

CLAMPING UNIT

Clamp Tonnage	KN
Toggle Stroke	mm
Space Between Tie Bars	mm
Diameter of Rotational Mold Adapter	mm
Bearing Capacity of Rotary Platen	t
Max.Mold Height	mm
Min. Mold Height	mm
Ejector Stroke	mm
Ejector Tonnage	KN
Distance Between Molds Positing Centers	mm

OTHERS

Max. Pump Pressure	Mpa
Pump Motor Power	Kw
Heater Power	Kw
Machine Dimension(LxWxH)	m
Machine Weight	t
Hopper Capacity	Kg
Oil Tank Capacity	l

Platen dimensions

Moving platen

Platen dimensions

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

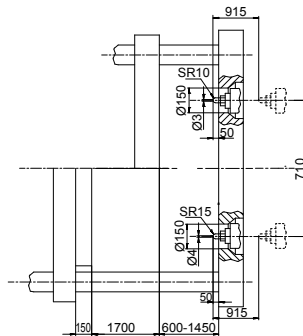
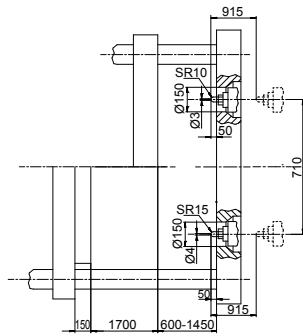
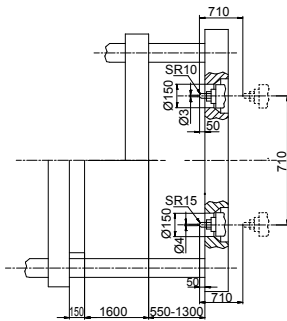
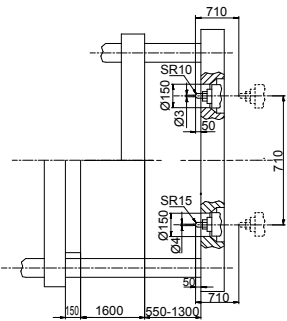
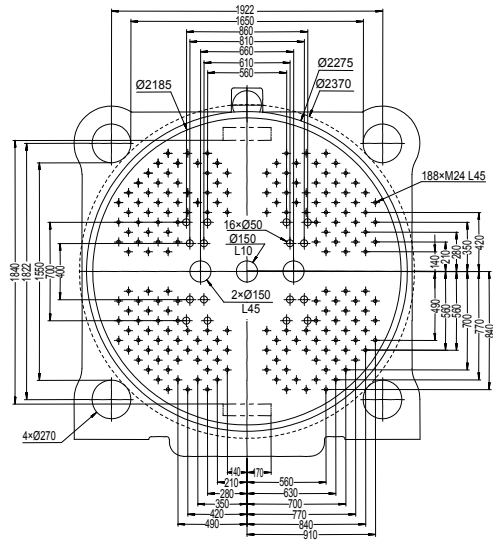
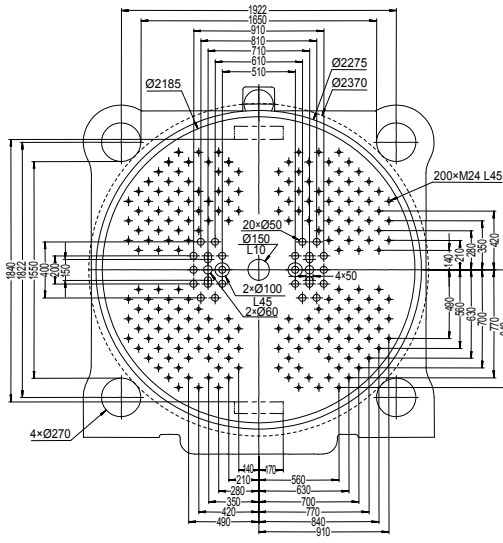
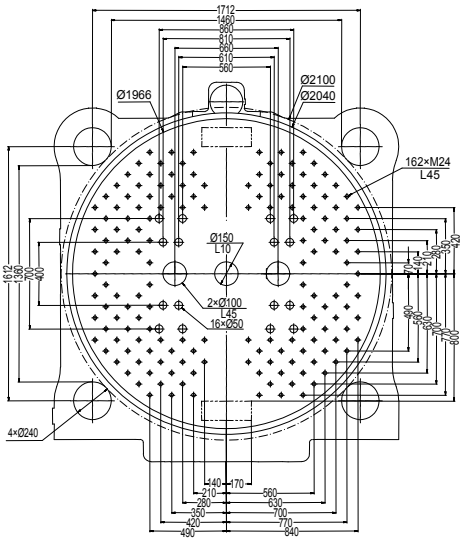
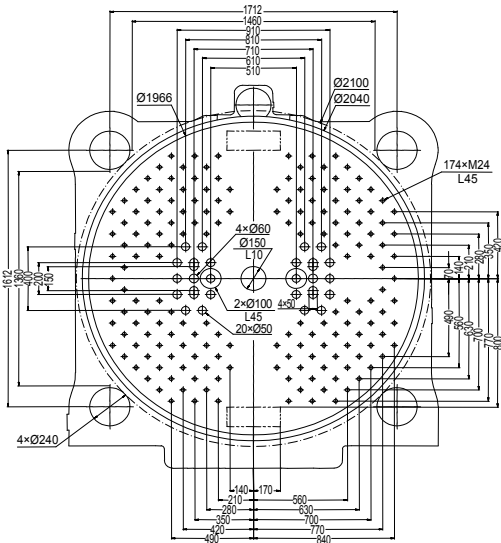
We reserve the right to make changes as a result of further technical advantages.

IA14000 II / n-j

Type 1						Type 2					
A	B	C	A	B	C	A	B	C	A	B	C
70	80	84	50	55	60	70	80	84	50	55	60
22.9	20	19.1	22	20	18.3	22.9	20	19.1	22	20	18.3
1424	1860	2050	471	570	679	1424	1860	2050	471	570	679
1296	1693	1866	429	519	618	1296	1693	1866	429	519	618
392	511	564	213	258	307	392	511	564	213	258	307
62.8	82.8	90.9	38.6	47.3	56	62.8	82.8	90.9	38.6	47.3	56
221	169	153	207	171	144	221	169	153	207	171	144
0-195			0-230			0-195			0-230		
14000						14000					
1600						1600					
1460×1360						1460×1360					
Φ 1966						Φ 1966					
11						11					
1300						1300					
550						550					
300						300					
156×2						156×2					
710						710					
20						20					
75+37+7.5						75+37+7.5					
30			17.7			30			17.7		
11.1×3.6×2.98						11.1×3.6×2.98					
70						70					
50			50			50			50		
1520						1520					

IA18500 II / n-j

Type 1						Type 2					
A	B	C	A	B	C	A	B	C	A	B	C
80	85	90	60	65	70	80	85	90	60	65	70
22	20.7	19.6	21.7	20	18.7	22	20.7	19.6	21.7	20	18.7
2212	2497	2799	792	929	1068	2212	2497	2799	792	929	1068
2013	2272	2547	721	845	981	2013	2272	2547	721	845	981
535	604	677	276	324	376	535	604	677	276	324	376
73.1	80.7	92	51.1	56.7	64.4	73.1	80.7	92	51.1	56.7	64.4
196	174	155	215	183	158	196	174	155	215	183	158
0-165			0-220			0-165			0-220		
18500						18500					
1700						1700					
1650×1550						1650×1550					
Φ2185						Φ2185					
15						15					
1450						1450					
600						600					
300						300					
156×2						156×2					
780						780					
20						20					
110+45+7.5						110+45+7.5					
42.35				22.95		42.35				22.95	
12.3×4.2×3.44						12.3×4.2×3.44					
100						100					
100				50		100				50	
1920						1920					



Note: there is a ejector hole (M20) on the mold ejector plate, which is used for installing ejector transitional pin.

Note: there is a ejector hole (M20) on the mold ejector plate, which is used for installing ejector transitional pin.

Specification

INJECTION UNIT

Screw Diameter	mm
Screw L/D Ratio	L/D
Shot Size (Theoretical)	cm ³
Injection Weight (PS)	g
Injection Rate	g/s
Plasticizing Capacity(ps)	g/s
Injection Pressure	MPa
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 Tonnage	KN

OTHERS

Max. Pump Pressure	Mpa
Pump Motor Power	Kw
Heater Power	Kw
Machine Dimension(LxWxH)	m
Machine Weight	t
Hopper Capacity	Kg
Oil Tank Capacity	l

Platen dimensions

Moving platen

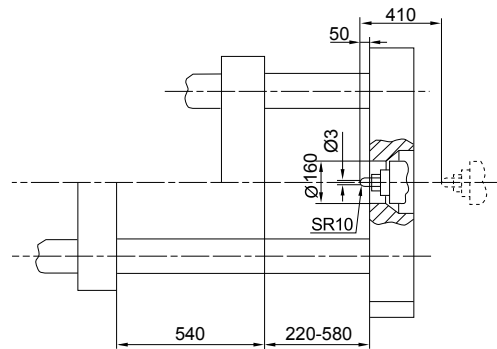
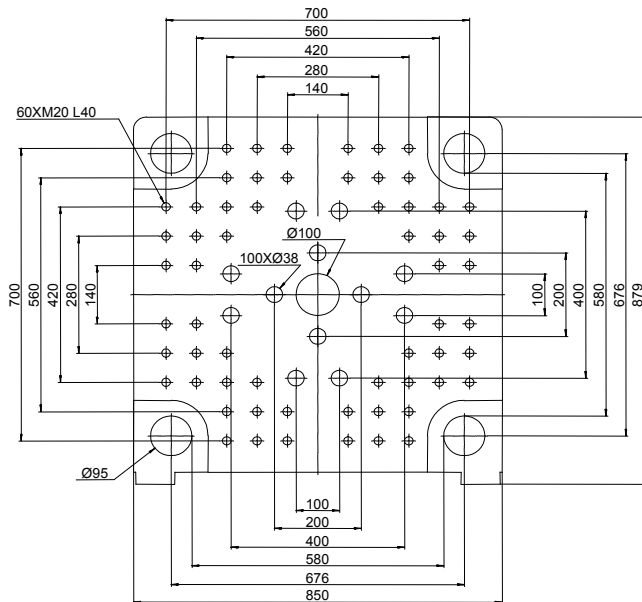
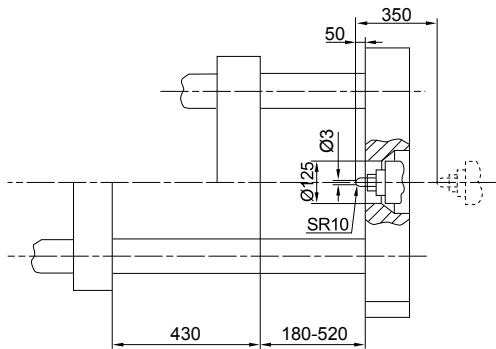
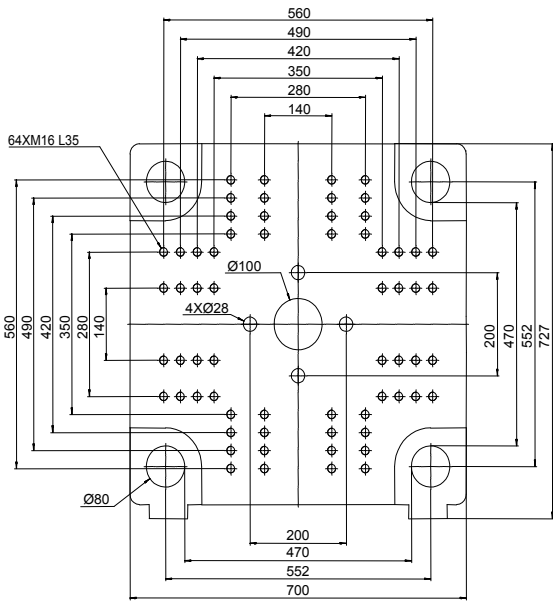
Platen dimensions

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

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

Sandwich/interval multi-color machine

IA1600 II / i-j											IA2500 II / i-j																	
Type 1						Type 2(multi-color)					Type 1						Type 2(multi-color)						Type 3(multi-color)					
370			260			370			100		700			370			700			260			700			150		
A	B	C	A	B	C	A	B	C	A	B	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
36	40	45	32	36	40	36	40	45	22	26	45	50	55	36	40	45	45	50	55	32	36	40	45	50	55	26	30	34
23.3	21	18.7	22.5	20	18	23.3	21	18.7	20	20	22.2	20	18.2	23.3	21	18.7	22.2	20	18.2	22.5	20	18	22.2	20	18.2	24	21	19
173	214	270	122	155	191	173	214	270	38	53	334	412	499	173	214	270	334	412	499	122	155	191	334	412	499	66	88	113
157	195	246	111	141	174	157	195	246	35	48	304	375	454	157	195	246	304	375	454	111	141	174	304	375	454	60	80	103
130	160	203	75	95	118	130	160	203	46	64	174	215	260	112	138	175	174	215	260	55	69	85	174	215	260	52	69	89
17.8	21.7	28.8	10.1	13.3	16.1	17.8	21.7	28.8	3	5.3	26.2	33	40.3	16.4	20.0	26.5	26.2	33	40.3	7.3	9.6	11.6	26.2	33	40.3	6.1	8.3	11.2
225	182	144	225	178	144	225	182	144	268	192	215	174	144	225	182	144	215	174	144	225	178	144	215	174	144	237	178	138
0-300			0-240			0-300			0-246		0-225			0-255			0-225			0-175			0-225			0-246		
1600																												
430											2500																	
470×470											540																	
520											580×580																	
180											580																	
140											220																	
33											150																	
											62																	
16											16																	
7.5+11			11+7.5								7.5+15						15+7.5						15+7.5					
28.7			23.5(25.9)								37.3						35.3						30.8					
6.3×1.5×1.89											7.3×1.7×2.05																	
6.2			6.15								9						9						8.9					
25			25								50						50						50					
280											380																	



Specification

INJECTION UNIT

Screw Diameter mm
Screw L/D Ratio L/D
Shot Size (Theoretical) cm³
Injection Weight (PS) g
Injection Rate g/s
Plasticizing Capacity(ps) g/s
Injection Pressure MPa
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 Tonnage KN

OTHERS

Max. Pump Pressure Mpa
Pump Motor Power Kw
Heater Power Kw
Machine Dimension(LxWxH) m
Machine Weight t
Hopper Capacity Kg
Oil Tank Capacity l

Platen dimensions

Moving platen

Platen dimensions

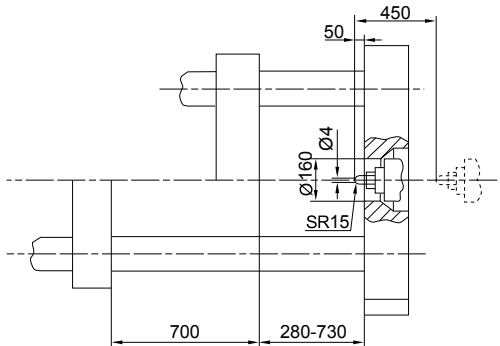
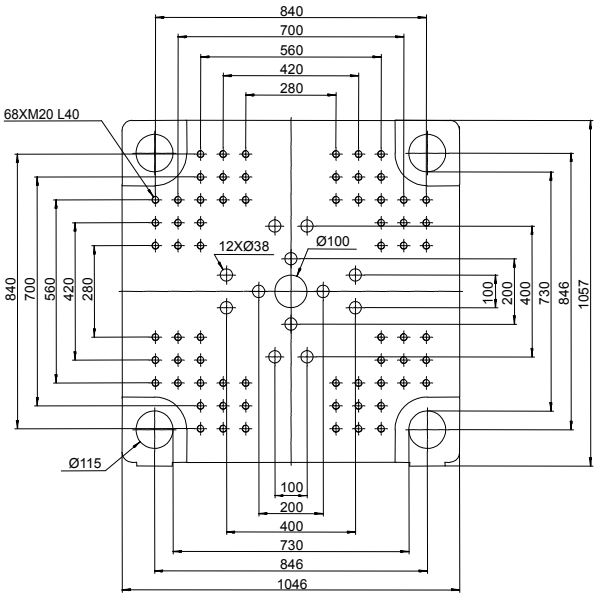
Mounting hole for robot/sprue picker top view from fixed platen

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

Sandwich/interval multi-color machine

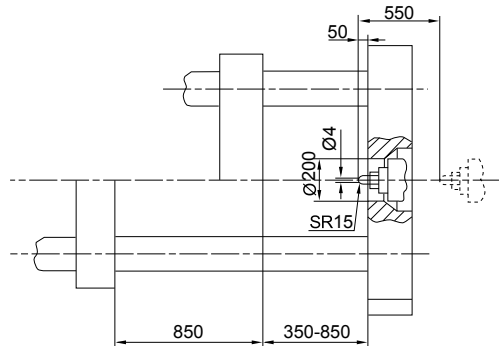
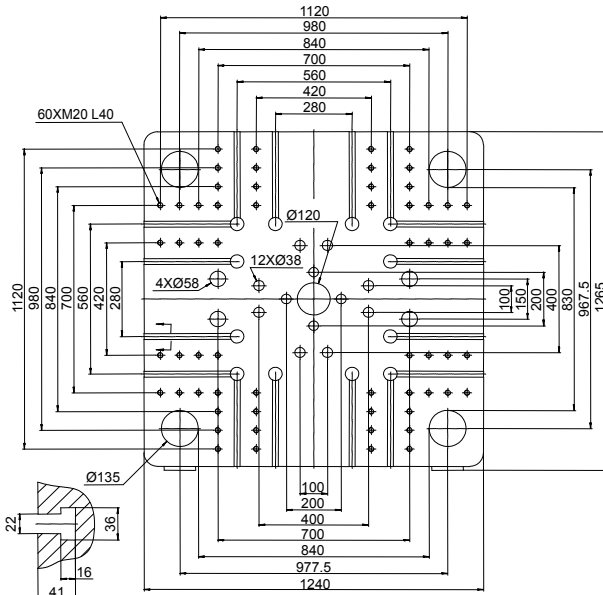
IA3800 II / i-j

Type 1			Type 2 (multi-color)						Type 3 (multi-color)					
1700			1000			1700			540			1700		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
60	65	70	50	55	60	60	65	70	40	45	50	60	65	70
21.7	20	18.6	22	20	18.3	21.7	20	18.6	22.5	20	18	21.7	20	18.6
792	929	1078	471	570	679	792	929	1078	251	318	393	792	929	1078
721	845	981	429	519	618	721	845	981	228	289	358	721	845	981
329	386	447	245	296	353	329	386	447	88	112	138	293	344	399
56.2	62.4	70.8	38.6	47.3	56	56.2	62.4	70.8	13.6	18.0	22.7	51.1	56.7	64.4
215	183	158	207	171	144	215	183	158	225	178	144	215	183	158
0-250			0-260			0-250			0-165			0-230		



IA5300 II / i-j

Type 1			Type 2 (multi-color)						Type 3 (multi-color)					
2950			1700			2950			1000			2950		
A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
70	80	84	90	60	65	70	70	80	84	90	50	55	60	70
22.9	20	19.1	17.8	21.7	20	18.6	22.9	20	19.1	17.8	22	20	18.3	22.9
1424	1860	2050	2354	792	929	1078	1424	1860	2050	2354	471	570	679	1424
1296	1693	1866	2142	721	845	981	1296	1693	1866	2142	429	519	618	1296
416	544	599	688	283	332	385	416	544	599	688	150	181	216	366
62.8	82.8	90.9	103	51.1	56.7	64.4	62.8	82.8	90.9	103	24.5	30	35.5	57.8
221	169	153	134	215	183	158	221	169	153	134	207	171	144	221
0-205			0-225			0-205			0-160			0-180		



Specification

INJECTION UNIT	
Screw Diameter	mm
Screw L/D Ratio	L/D
Shot Size (Theoretical)	cm ³
Injection Weight (PS)	g
Injection Rate	g/s
Plasticizing Capacity(ps)	g/s
Injection Pressure	MPa
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 Tonnage	KN
OTHERS	
Max. Pump Pressure	Mpa
Pump Motor Power	Kw
Heater Power	Kw
Machine Dimension(LxWxH)	m
Machine Weight	t
Hopper Capacity	Kg
Oil Tank Capacity	l

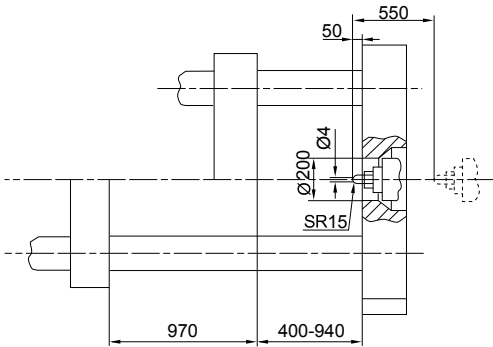
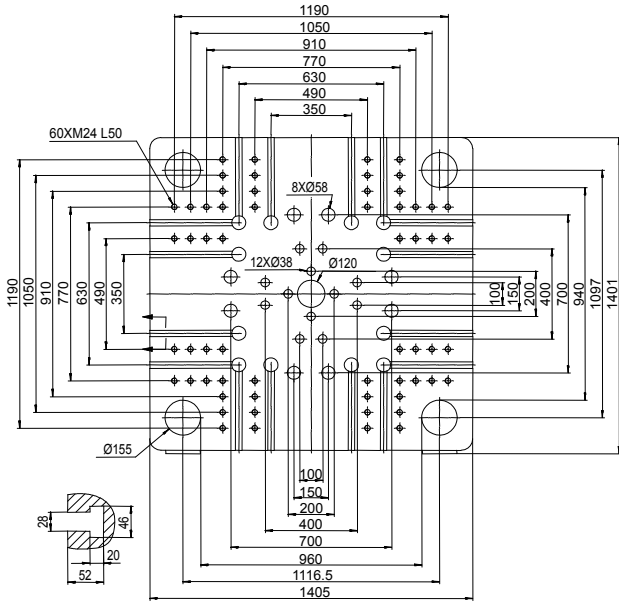
Platen dimensions
Moving platen

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

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

Sandwich/interval multi-color machine

IA7000 II /i-j																							
Type 1								Type 2 (multi-color)								Type 3 (multi-color)							
4000				2950				4000				1700				4000				1000			
A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	A	B	C	D	A	B	C	D	
80	85	90	100	70	80	84	90	80	85	90	100	60	65	70	80	85	90	100	50	55	60		
22	20.7	19.6	17.6	22.9	20	19.1	17.8	22	20.7	19.6	17.6	21.7	20	18.6	22	20.7	19.6	17.6	22	20	18.3		
2212	2497	2799	3456	1424	1860	2050	2354	2212	2497	2799	3456	792	929	1078	2212	2497	2799	3456	471	570	679		
2013	2272	2547	3145	1296	1693	1866	2142	2013	2272	2547	3145	721	845	981	2013	2272	2547	3145	429	519	618		
552	624	699	863	330	431	475	688	570	643	721	890	236	277	321	469	529	593	733	150	181	216		
75	82.8	94.3	115	55	72.5	79.6	90	75	82.8	94.3	115	41.9	46.5	52.8	62.5	69	78.6	96	25.9	31.8	37.6		
196	174	155	125	221	169	153	134	196	174	155	125	215	183	158	196	174	155	125	207	171	144		
0-175				0-165				0-175				0-185				0-140				0-160			
7000																							
970																							
960×940																							
940																							
400																							
260																							
186																							
16																							
22+45								37+30								37+18.5							
91.1								84.8								80.3							
10.9×2.3×2.45																							
34.5								34								33							
100				50				100				50				100				50			
1120																							



NOTE:

Handwriting practice lines on page 18, consisting of 20 horizontal dashed lines.

NOTE:

Handwriting practice lines on page 19, consisting of 20 horizontal dashed lines.