

HAITIAN PLASTICS MACHINERY GROUP CO., LTD
 No. 1688 Haitian Road, Xiaogang, Beilun, Ningbo, P. R. China.
 + 86-574-8617 7005 (China)
 + 86-574-8617 7242 (International)
haitian@mail.haitian.com
www.haitianpm.com

NINGBO HAITIAN HUAYUAN MACHINERY CO.,LTD.
 Export Processing Zone, Ningbo 315800 China
 +86-574-8617 7242
 +86-574-8622 1864
haitian@mail.haitian.com
www.haitianpm.com



HAITIAN MULTI SERIES

MA Energy-saving servo injection molding machines
 Specification



HT 20260303-IV



CONTENTS

Turntable multi-color machine with wide mold platen

MA1200WM4

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MA7000WM36

Turntable multi-color machine with narrow mold platen

MA2000M40



MA / WM Series M

Turntable multi-color machine with wide mold platen
1,200-7,000 kN

MA1200WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS

MACHINE TYPE

		MA1200WM/160-80					MA1200WM/80-80					MA1200WM/80-50																
CLAMPING UNIT																												
Clamping force	kN	1200																										
Mold opening stroke	mm	310																										
Dist. between tie bars (HxV)	mm	609×403																										
Diameter of rotary platen	mm	Ø650																										
Max. mold install diameter	mm	Ø755																										
Bearing Capacity of Rotary Platen ①	t	0.5																										
Mold height max.	mm	400																										
Mold height min.	mm	120																										
Ejector stroke ②	mm	110																										
Ejector force	kN	22×2																										
Nozzle center distance③	mm	350																										
Distance between molds positing centers	mm	350																										
INJECTION UNIT		160					80					80					80					50						
		A	B	C	A	B	A	B	A	B	A	B	A	B	A	B	A	B										
Screw diameter	mm	26	30	34	22	26	22	26	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	20	20												
Injection volume (theoretical)	cm³	66	88	113	38	53	38	53	38	53	38	53	38	53	21	36												
Injection weight (PS)	g	60	80	103	35	48	35	48	35	48	35	48	35	48	19	33												
Injection rate (PS)	g/s	53	71	91	55	77	55	77	55	77	55	77	55	77	55	73												
Plasticizing rate (GPPS) ④	g/s	6.1	8.3	11.2	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4	2.5	3.6												
Injection pressure	MPa	240	180	140	232	166	232	166	232	166	232	166	232	166	234	175												
Screw speed	rpm	0~240			0~300			0~300			0~300			0~300			0~300											
OTHERS																												
Pump motor power	kW	13+13					13+13					13+13																
Heater power	kW	6.9			4.9			6.8			4.9			6.8			4.9			6.8			4.3			4.2		
Machine dimension (LxWxH)	m	5.0×1.7×2.16					5.0×1.7×2.16					5.0×1.7×2.16																
Machine weight	t	5					4.9					4.9																
Hopper capacity	kg	25			25			25			25			25			25											
Oil tank	l	200					200					200																

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

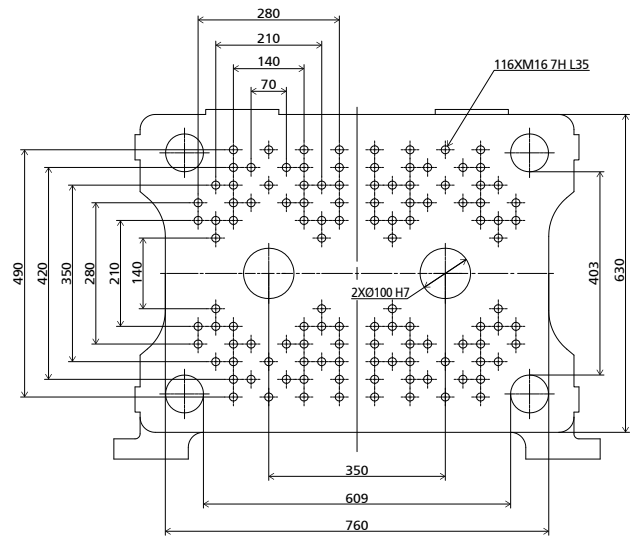
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

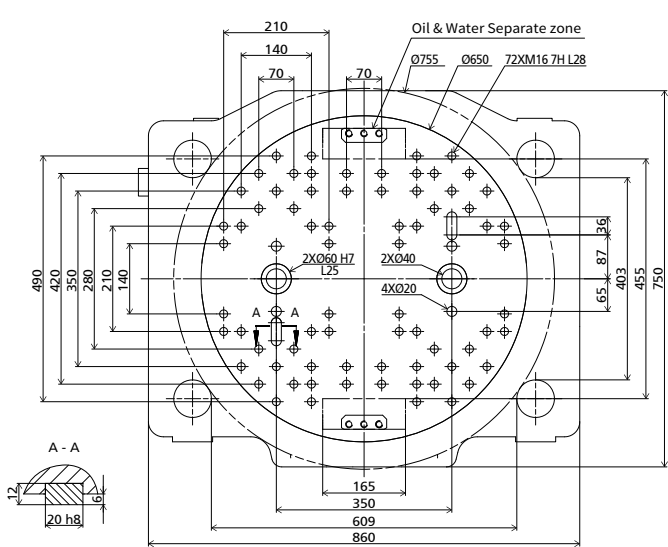
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA1200WM

Platen dimensions fixed platen

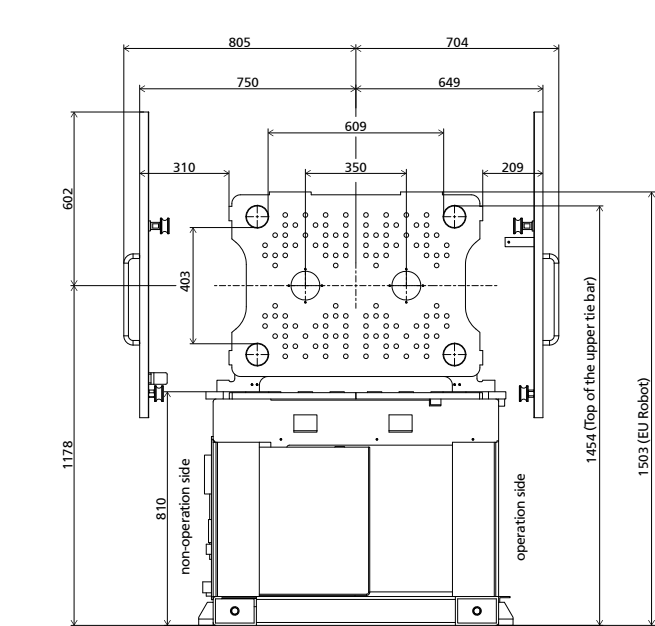


Front dimension of rotary table

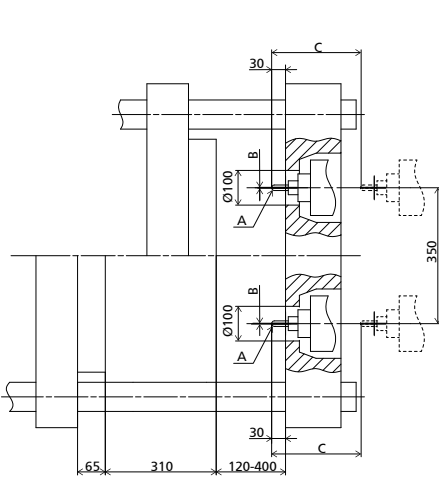


Note : M12 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

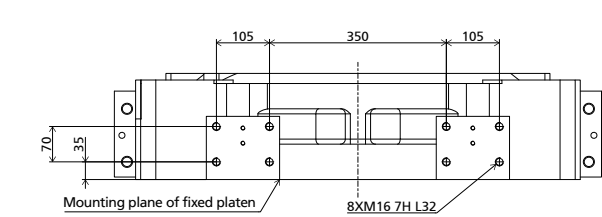


Side dimension drawing of platen

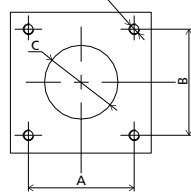


INJECTION UNIT	A	B	C
160	SR10	Ø2	270
80	SR10	Ø2	270
50	SR10	Ø2.2	270

Robot top view fixed platen

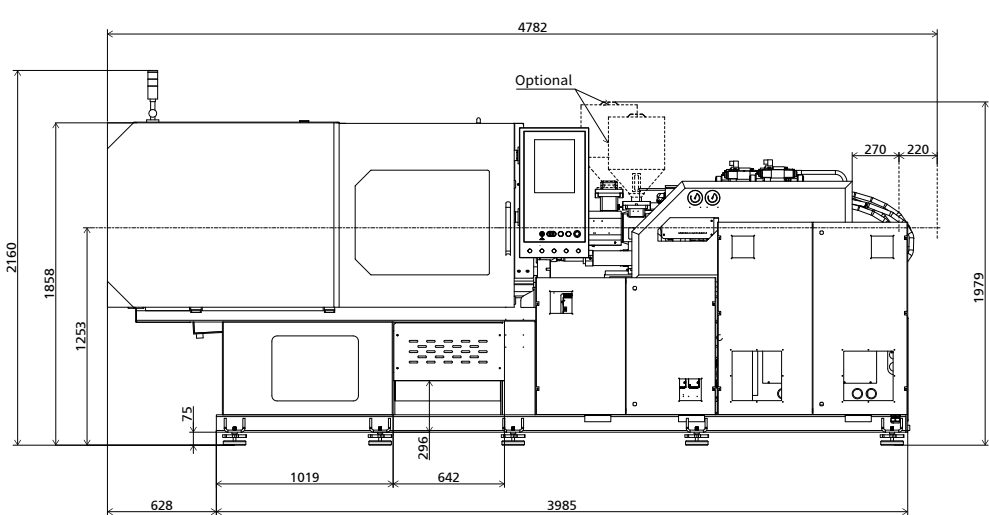


Platen dimension of hopper installation

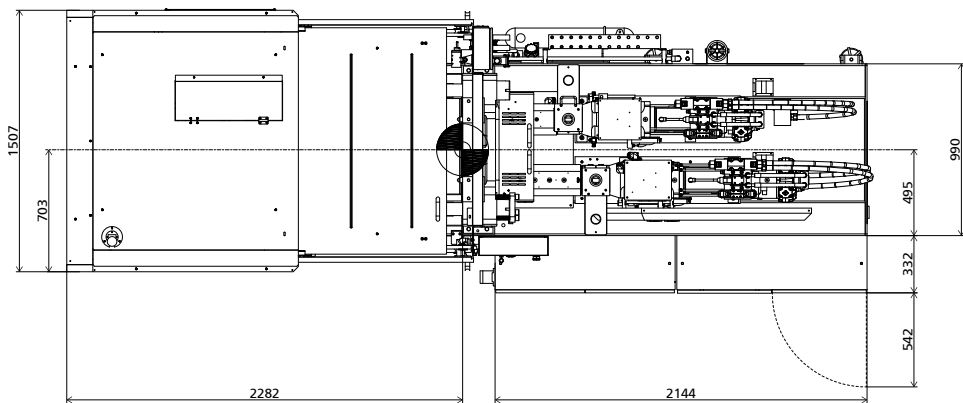


INJECTION UNIT	A	B	C	D
160	115	115	Ø70	4xM10-7H L20
80	115	115	Ø70	4xM10-7H L20
50	115	115	Ø70	4xM10-7H L20

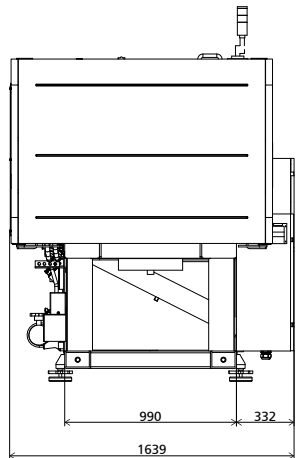
Front view



Top view



Side view



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

MA1600WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS
MACHINE TYPE

		MA1600WM/280-160						MA1600WM/160-160						MA1600WM/160-80						MA1600WM/80-80				MA1600WM/80-50																	
CLAMPING UNIT																																									
Clamping force	kN	1600																																							
Mold opening stroke	mm	340																																							
Dist. between tie bars (HxV)	mm	700×420																																							
Diameter of rotary platen	mm	Ø730																																							
Max. mold install diameter	mm	Ø850																																							
Bearing Capacity of Rotary Platen ①	t	0.7																																							
Mold height max.	mm	460																																							
Mold height min.	mm	150																																							
Ejector stroke ②	mm	120																																							
Ejector force	kN	33×2																																							
Nozzle center distance③	mm	420																																							
Distance between molds positing centers	mm	420																																							
		280						160						160						160						80				80				80				50			
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B	A	B	A	B	A	B	A	B	A	B											
Screw diameter	mm	32	36	40	26	30	34	26	30	34	26	30	34	26	30	34	22	26	22	26	22	26	22	26	22	26	19	22	22	26											
Screw L/D ratio	L/D	22.5	20	18	24	21	19	24	21	19	24	21	19	24	21	19	20	20	20	20	20	20	20	20	20	20	20	20	20	20											
Injection volume (theoretical)	cm³	122	155	191	66	88	113	66	88	113	66	88	113	66	88	113	38	53	38	53	38	53	38	53	38	53	21	36	21	36											
Injection weight (PS)	g	111	141	174	60	80	103	60	80	103	60	80	103	60	80	103	35	48	35	48	35	48	35	48	35	48	19	33	19	33											
Injection rate (PS)	g/s	86	109	134	53	71	91	85	113	145	53	71	91	85	113	145	55	77	87	122	55	77	87	122	55	77	55	73	55	73											
Plasticizing rate (GPPS) ④	g/s	10.1	13.3	16.1	6.1	8.3	11.2	7.3	10.0	13.4	6.1	8.3	11.2	7.3	10.0	13.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4	2.5	3.6	2.5	3.6											
Injection pressure	MPa	236	187	151	240	180	140	240	180	140	240	180	140	240	180	140	232	166	232	166	232	166	232	166	232	166	234	175	234	175											
Screw speed	rpm	0~240			0~245			0~300			0~245			0~300			0~300			0~300			0~300			0~300			0~300			0~300									
OTHERS																																									
Pump motor power	kW	15+13						15+13						15+13						15+13						15+13															
Heater power	kW	10.5			6.9			6.9			6.9			6.9			4.9			6.8			4.9			6.8			4.9			6.8			4.3			4.2			
Machine dimension (LxWxH)	m	5.3×1.8×2.3						5.3×1.8×2.3						5.3×1.8×2.3						5.3×1.8×2.3						5.3×1.8×2.3															
Machine weight	t	8.3						8.2						8.1						8						8															
Hopper capacity	kg	25			25			25			25			25			25			25			25			25			25			25									
Oil tank	l	250						250						250						250						250															

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

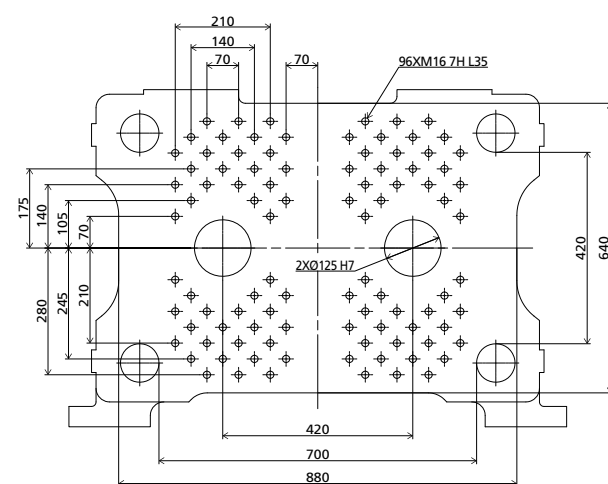
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

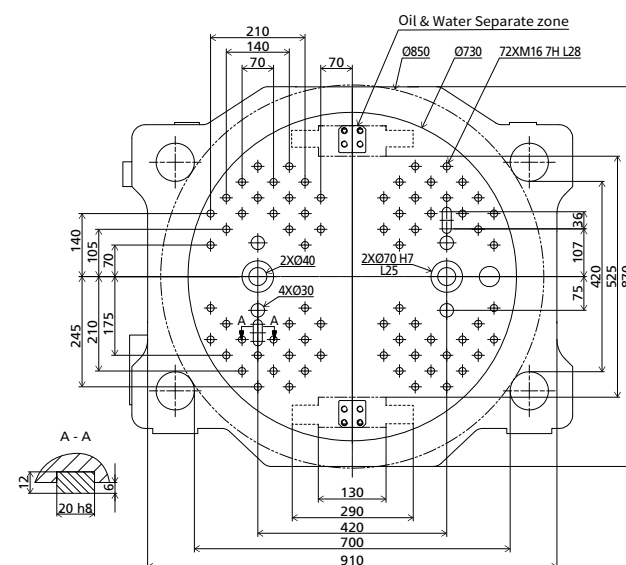
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA1600WM

Platen dimensions fixed platen

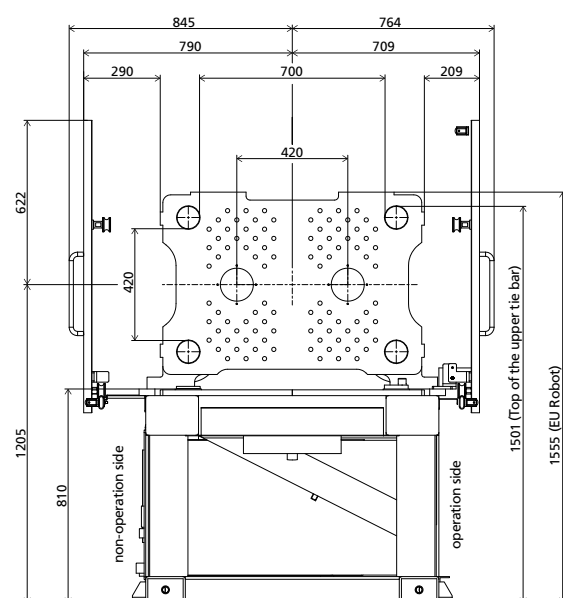


Front dimension of rotary table

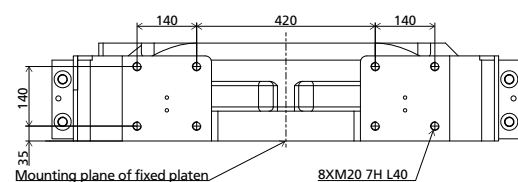


Note : M16 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

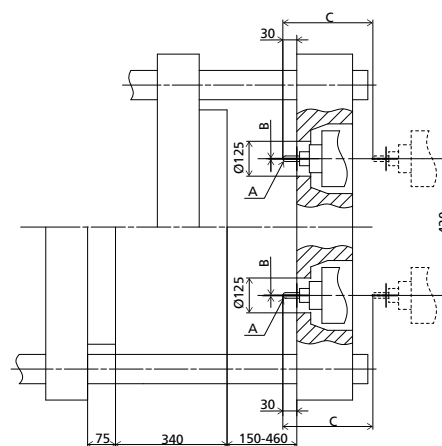
Robot mechanical interface



Robot top view fixed platen

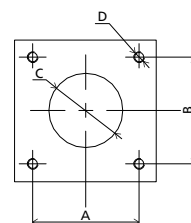


Side dimension drawing of platen



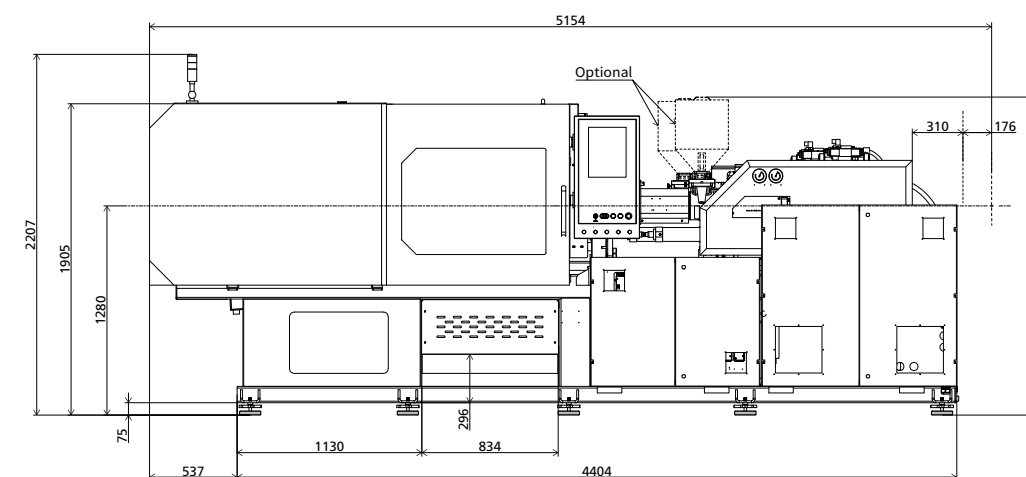
INJECTION UNIT	A	B	C
280	SR10	Ø2.5	310
160	SR10	Ø2	310
80	SR10	Ø2	310
50	SR10	Ø2.2	310

Platen dimension of hopper installation

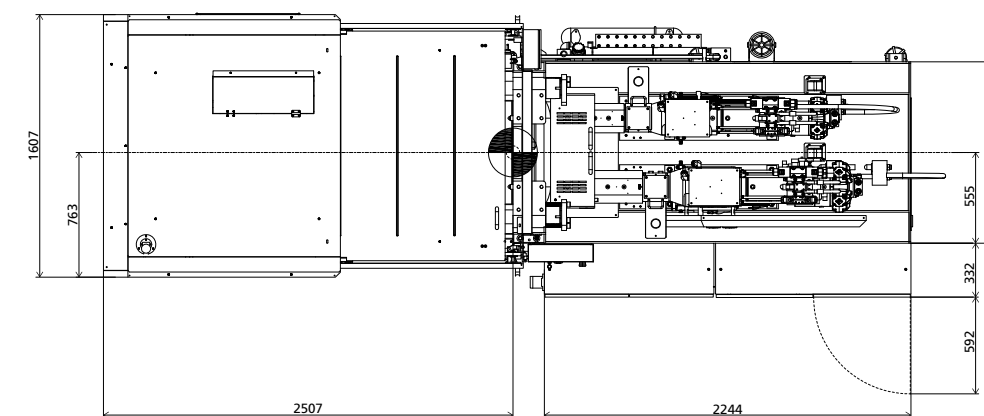


INJECTION UNIT	A	B	C	D
280	115	115	Ø70	4xM10-7H L20
160	115	115	Ø70	4xM10-7H L20
80	115	115	Ø70	4xM10-7H L20
50	115	115	Ø70	4xM10-7H L20

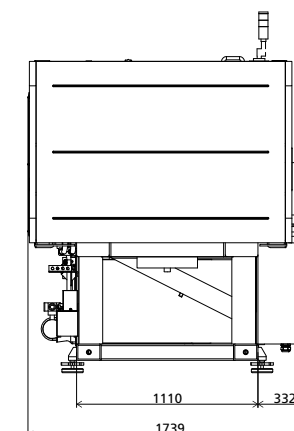
Front view



Top view



Side view



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

MA2000WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS

MACHINE TYPE

		MA2000WM/280-160						MA2000WM/160-160						MA2000WM/160-80						MA2000WM/80-80																	
CLAMPING UNIT																																					
Clamping force	kN	2000																																			
Mold opening stroke	mm	410																																			
Dist. between tie bars (HxV)	mm	825×505																																			
Diameter of rotary platen	mm	Ø870																																			
Max. mold install diameter	mm	Ø1000																																			
Bearing Capacity of Rotary Platen ①	t	1																																			
Mold height max.	mm	520																																			
Mold height min.	mm	180																																			
Ejector stroke ②	mm	130																																			
Ejector force	kN	33×2																																			
Nozzle center distance③	mm	450																																			
Distance between molds positing centers	mm	450																																			
INJECTION UNIT		280						160						160						160						80						80					
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	A	B	A	B	A	B	A	B	A	B									
Screw diameter	mm	32	36	40	26	30	34	26	30	34	26	30	34	26	30	34	22	26	22	26	22	26	22	26	22	26	22	26									
Screw L/D ratio	L/D	22.5	20	18	24	21	19	24	21	19	24	21	19	24	21	19	20	20	20	20	20	20	20	20	20	20	20	20									
Injection volume (theoretical)	cm³	122	155	191	66	88	113	66	88	113	66	88	113	66	88	113	38	53	38	53	38	53	38	53	38	53	38	53									
Injection weight (PS)	g	111	141	174	60	80	103	60	80	103	60	80	103	60	80	103	35	48	35	48	35	48	35	48	35	48	35	48									
Injection rate (PS)	g/s	86	109	134	53	71	91	85	113	145	53	71	91	85	113	145	55	77	87	122	55	77	87	122	55	77	87	122									
Plasticizing rate (GPPS) ④	g/s	10.1	13.3	16.1	6.1	8.3	11.2	7.3	10.0	13.4	6.1	8.3	11.2	7.3	10.0	13.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4	3.6	6.4									
Injection pressure	MPa	236	187	151	240	180	140	240	180	140	240	180	140	240	180	140	232	166	232	166	232	166	232	166	232	166	232	166									
Screw speed	rpm	0～240			0～245			0～300			0～245			0～300			0～300			0～300			0～300			0～300			0～300								
OTHERS																																					
Pump motor power	kW	15+13						15+13						15+13						15+13						15+13											
Heater power	kW	10.5			6.9			6.9			6.9			6.9			4.9		6.8		4.9		6.8		4.9		6.8										
Machine dimension (LxWxH)	m	5.4×1.9×2.4						5.4×1.9×2.4						5.4×1.9×2.4						5.4×1.9×2.4						5.4×1.9×2.4											
Machine weight	t	9						8.9						8.8						8.7						8.7											
Hopper capacity	kg	25			25			25			25			25			25			25			25			25			25								
Oil tank	l	250						250						250						250						250											

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

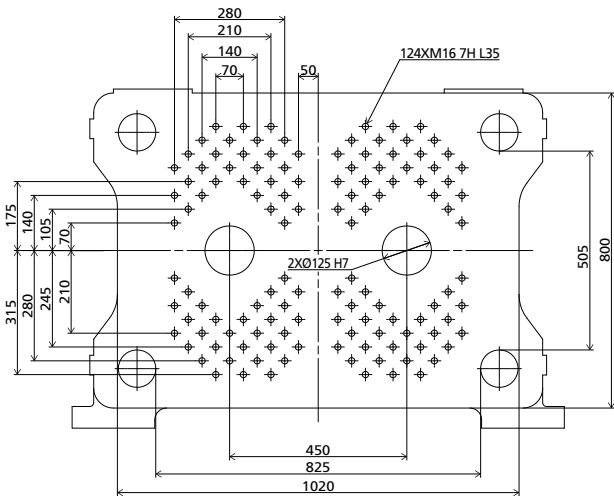
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

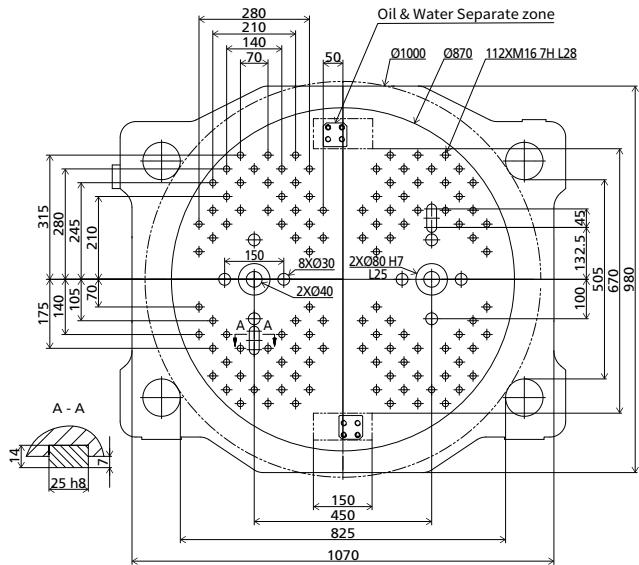
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA2000WM

Platen dimensions fixed platen

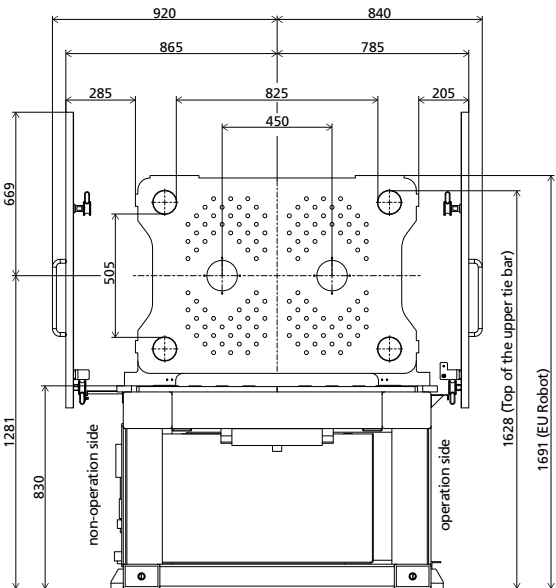


Front dimension of rotary table

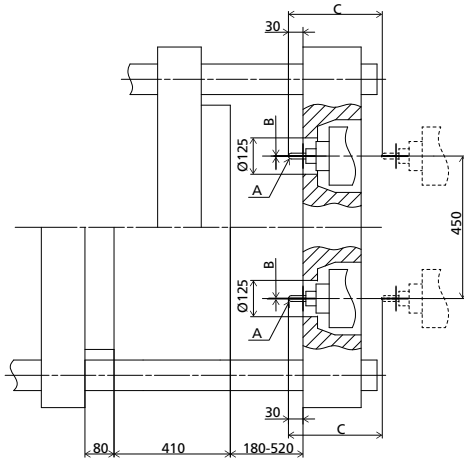


Note : M16 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

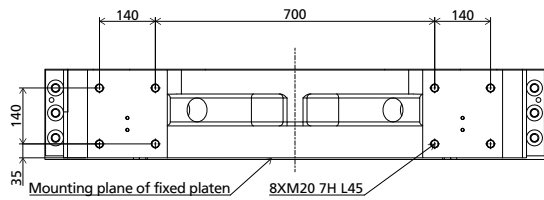


Side dimension drawing of platen

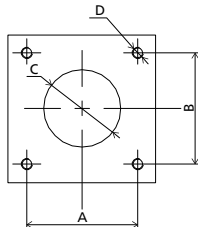


INJECTION UNIT	A	B	C
280	SR10	Ø2.5	310
160	SR10	Ø2	310
80	SR10	Ø2	310

Robot top view fixed platen

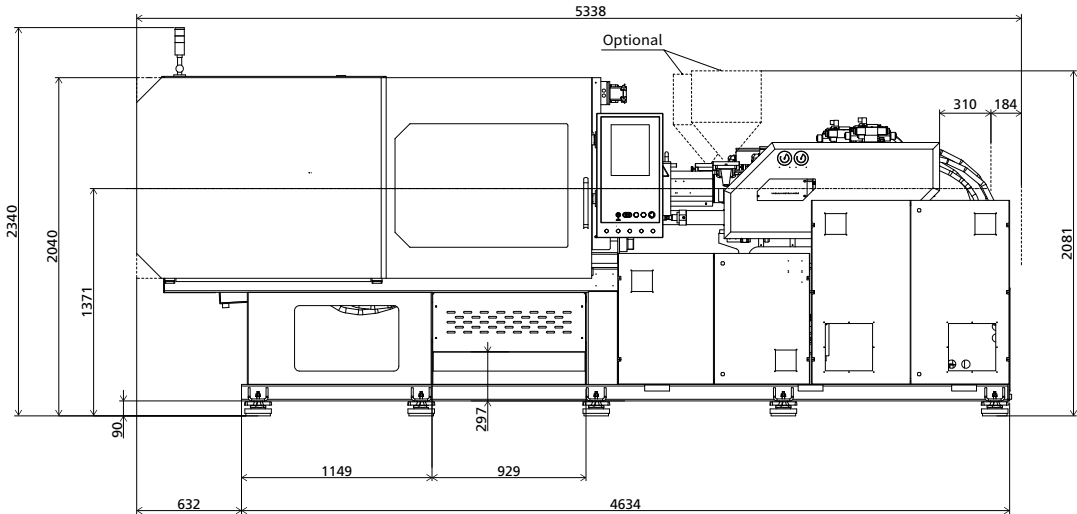


Platen dimension of hopper installation

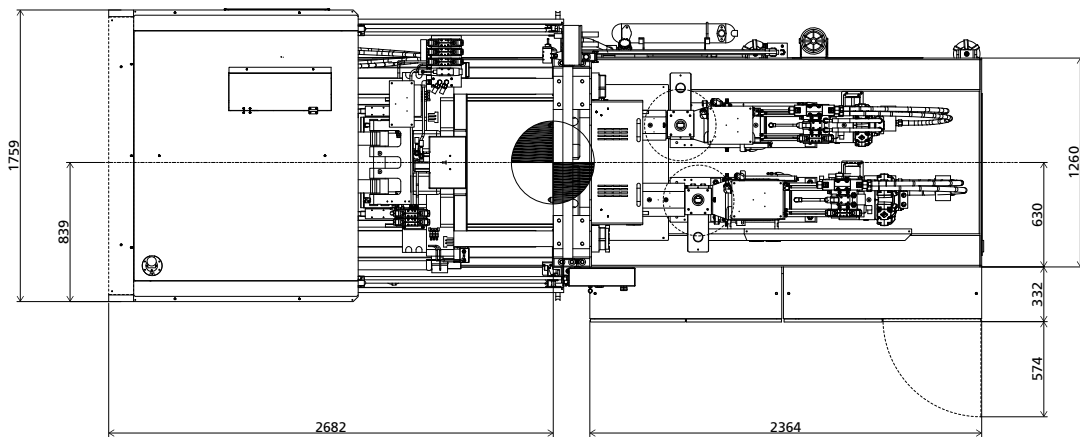


INJECTION UNIT	A	B	C	D
280	115	115	Ø70	4xM10-7H L20
160	115	115	Ø70	4xM10-7H L20
80	115	115	Ø70	4xM10-7H L20

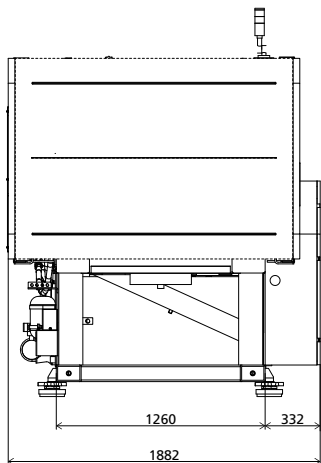
Front view



Top view



Side view



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

MA2500WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS
MACHINE TYPE

		MA2500WM/570-280						MA2500WM/380-160						MA2500WM/280-160						MA2500WM/160-80																																			
CLAMPING UNIT																																																							
Clamping force	kN													2500																																									
Mold opening stroke	mm													460																																									
Dist. between tie bars (HxV)	mm													910×570																																									
Diameter of rotary platen	mm													Ø1000																																									
Max. mold install diameter	mm													Ø1110																																									
Bearing Capacity of Rotary Platen ①	t													1.5																																									
Mold height max.	mm													560																																									
Mold height min.	mm													200																																									
Ejector stroke ②	mm													140																																									
Ejector force	kN													33×2																																									
Nozzle center distance③	mm													490																																									
Distance between molds positing centers	mm													490																																									
		570						280						380						160						280						160						160						80											
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B																						
Screw diameter	mm	40	45	50	32	36	40	36	40	45	26	30	34	32	36	40	26	30	34	26	30	34	26	30	34	22	26	26	26	26	26	26																							
Screw L/D ratio	L/D	22.5	20	18	22.5	20	18	23.3	21	18.7	24	21	19	22.5	20	18	24	21	19	24	21	19	24	21	19	20	20	20	20	20	20	20																							
Injection volume (theoretical)	cm³	251	318	393	122	155	191	173	214	270	66	88	113	122	155	191	66	88	113	66	88	113	66	88	113	38	53	53	53	53	53	53																							
Injection weight (PS)	g	228	289	358	111	141	174	157	195	246	60	80	103	111	141	174	60	80	103	60	80	103	60	80	103	35	48	48	48	48	48	48																							
Injection rate (PS)	g/s	128	162	200	86	109	134	132	162	205	85	113	145	124	156	193	85	113	145	122	162	209	122	162	209	87	122	122	122	122	122	122																							
Plasticizing rate (GPPS) ④	g/s	17.8	23.7	29.7	10.1	13.3	16.1	18.6	22.1	30.1	7.3	10.0	13.4	12.6	16.6	20.1	7.3	10.0	13.4	7.3	10.0	13.4	7.3	10.0	13.4	3.6	6.4	6.4	6.4	6.4	6.4	6.4																							
Injection pressure	MPa	228	180	146	236	187	151	222	180	142	240	180	140	236	187	151	240	180	140	240	180	140	240	180	140	232	166	166	166	166	166	166																							
Screw speed	rpm	0~220			0~240			0~300			0~300			0~300			0~300			0~300			0~300			0~300			0~300			0~300			0~300																				
OTHERS																																																							
Pump motor power	kW	22+15						22+15						22+15						22+15						22+15						22+15						22+15						22+15											
Heater power	kW	12.4			10.5			12.4			6.9			10.5			6.9			6.9			6.9			6.9			4.9			6.8			6.8			6.8																	
Machine dimension (LxWxH)	m	6.3×2.1×2.6						6.3×2.1×2.6						6.3×2.1×2.6						6.3×2.1×2.6						6.3×2.1×2.6						6.3×2.1×2.6						6.3×2.1×2.6						6.3×2.1×2.6											
Machine weight	t	13.1						13						12.9						12.8						12.8						12.8						12.8						12.8						12.8					
Hopper capacity	kg	25			25			25			25			25			25			25			25			25			25			25			25			25																	
Oil tank	l	380						380						380						380						380						380						380						380						380					

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

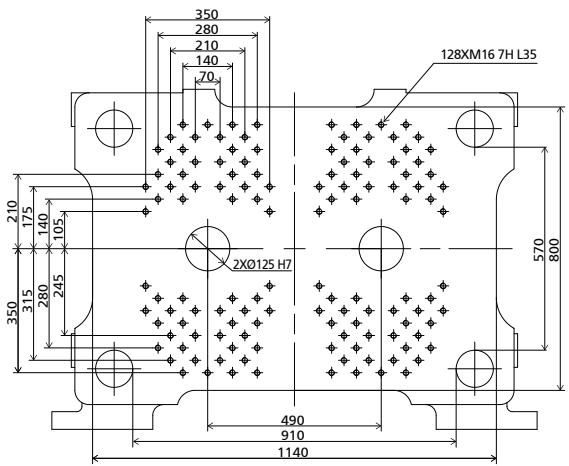
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

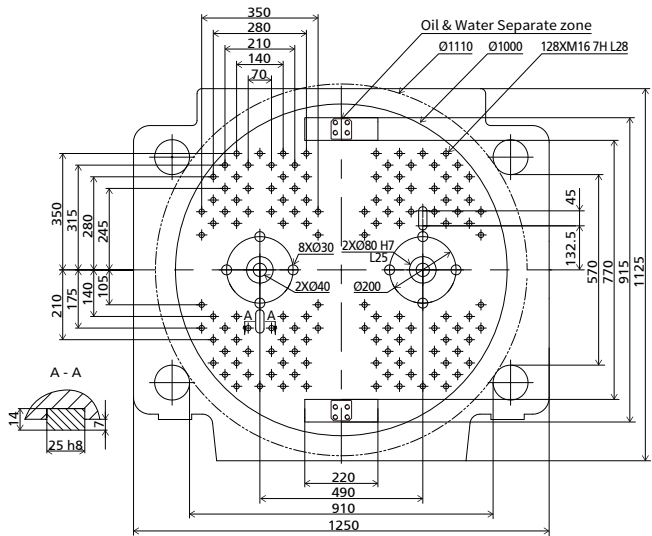
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA2500WM

Platen dimensions fixed platen

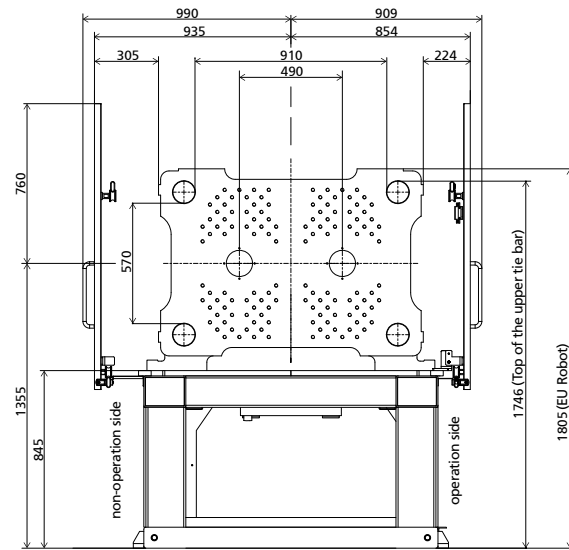


Front dimension of rotary table

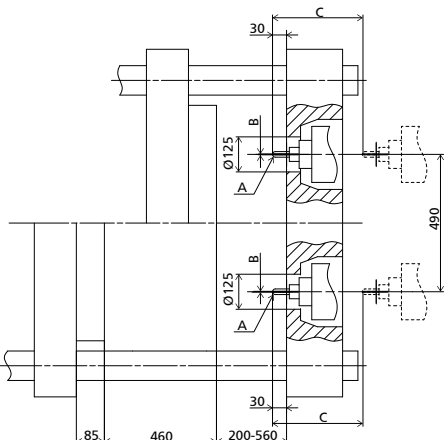


Note : M16 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

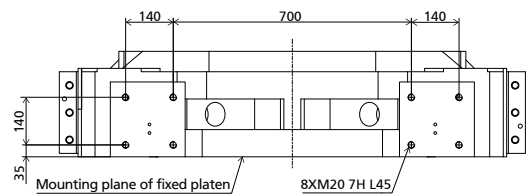


Side dimension drawing of platen

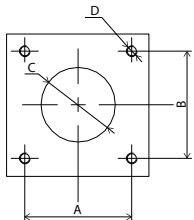


INJECTION UNIT	A	B	C
570	SR10	Ø3	410
380	SR10	Ø3	390
280	SR10	Ø2.5	390
160	SR10	Ø2	390
80	SR10	Ø2	390

Robot top view fixed platen

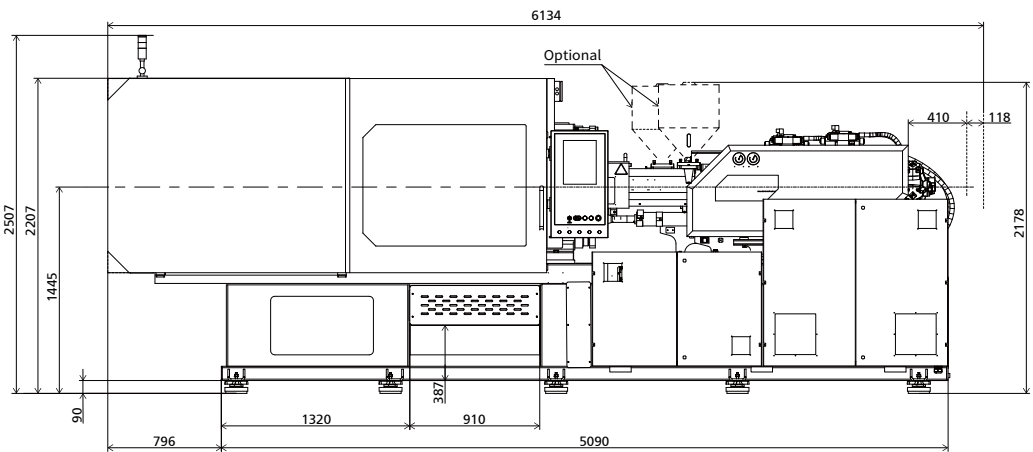


Platen dimension of hopper installation

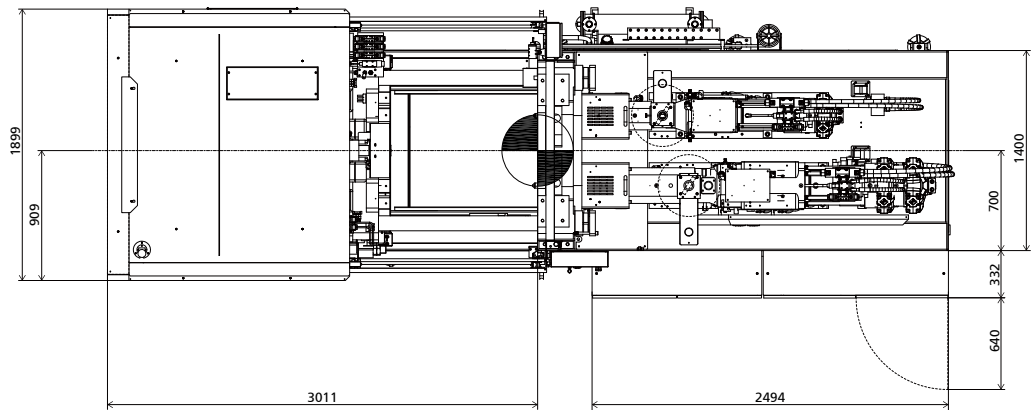


INJECTION UNIT	A	B	C	D
570	115	115	Ø70	4xM10-7H L20
380	115	115	Ø70	4xM10-7H L20
280	115	115	Ø70	4xM10-7H L20
160	115	115	Ø70	4xM10-7H L20
80	115	115	Ø70	4xM10-7H L20

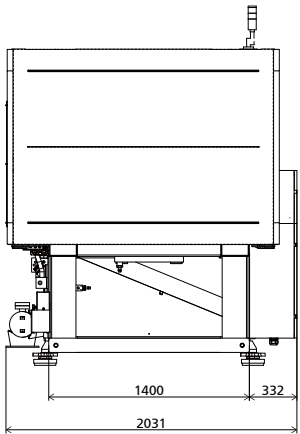
Front view



Top view



Side view



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

MA3000WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS

MACHINE TYPE

		MA3000WM/570-280						MA3000WM/380-160						MA3000WM/280-160						MA3000WM/160-80								
CLAMPING UNIT																												
Clamping force	kN													3000														
Mold opening stroke	mm													530														
Dist. between tie bars (HxV)	mm													960×580														
Diameter of rotary platen	mm													Ø1050														
Max. mold install diameter	mm													Ø1160														
Bearing Capacity of Rotary Platen ①	t													1.8														
Mold height max.	mm													600														
Mold height min.	mm													220														
Ejector stroke ②	mm													150														
Ejector force	kN													48×2														
Nozzle center distance③	mm													490														
Distance between molds positing centers	mm													490														
INJECTION UNIT		570			280			380			160			280			160			160			80					
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B				
Screw diameter	mm	40	45	50	32	36	40	36	40	45	26	30	34	32	36	40	26	30	34	26	30	34	22	26				
Screw L/D ratio	L/D	22.5	20	18	22.5	20	18	23.3	21	18.7	24	21	19	22.5	20	18	24	21	19	24	21	19	20	20				
Injection volume (theoretical)	cm³	251	318	393	122	155	191	173	214	270	66	88	113	122	155	191	66	88	113	66	88	113	38	53				
Injection weight (PS)	g	228	289	358	111	141	174	157	195	246	60	80	103	111	141	174	60	80	103	60	80	103	35	48				
Injection rate (PS)	g/s	128	162	200	86	109	134	132	162	205	85	113	145	124	156	193	85	113	145	122	162	209	87	122				
Plasticizing rate (GPPS) ④	g/s	17.8	23.7	29.7	10.1	13.3	16.1	18.6	22.1	30.1	7.3	10.0	13.4	12.6	16.6	20.1	7.3	10.0	13.4	7.3	10.0	13.4	3.6	6.36				
Injection pressure	MPa	228	180	146	236	187	151	222	180	142	240	180	140	236	187	151	240	180	140	240	180	140	232	166				
Screw speed	rpm	0~220			0~240			0~300			0~300			0~300			0~300			0~300			0~300					
OTHERS																												
Pump motor power	kW	22+15						22+15						22+15						22+15								
Heater power	kW	12.4			10.5			12.4			6.9			10.5			6.9			6.9			4.9			6.8		
Machine dimension (LxWxH)	m	6.8×2.1×2.6						6.8×2.1×2.6						6.8×2.1×2.6						6.8×2.1×2.6								
Machine weight	t	14						13.9						13.8						13.9								
Hopper capacity	kg	25			25			25			25			25			25			25			25					
Oil tank	l	380						380						380						380								

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

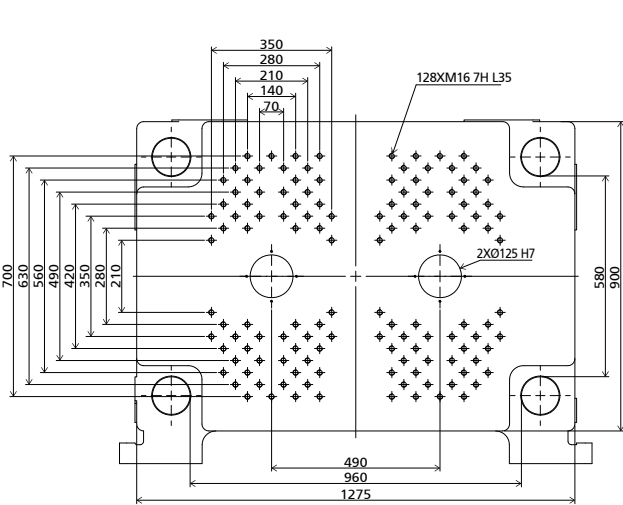
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

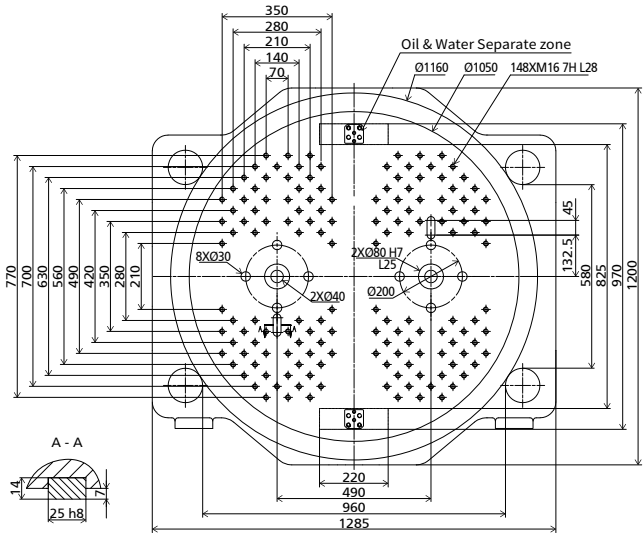
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA3000WM

Platen dimensions fixed platen

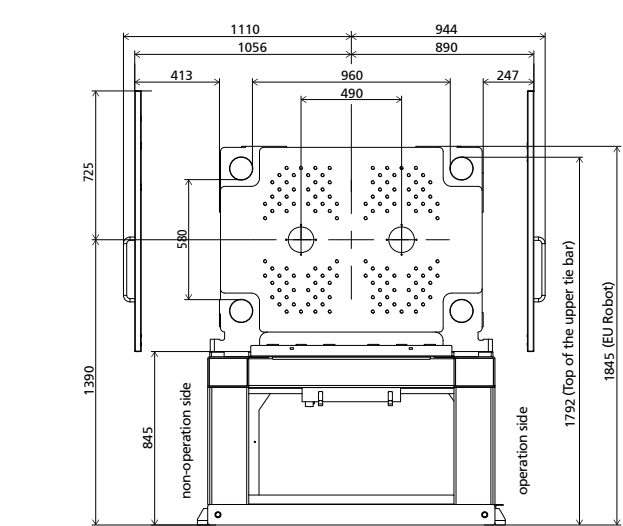


Front dimension of rotary table

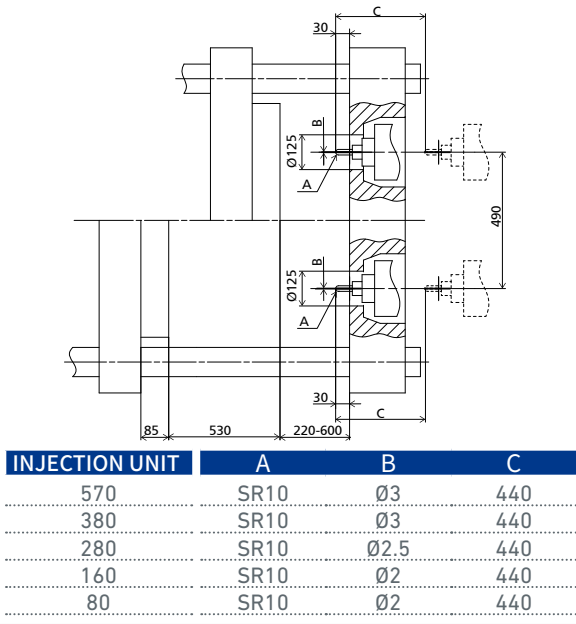


Note : M16 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

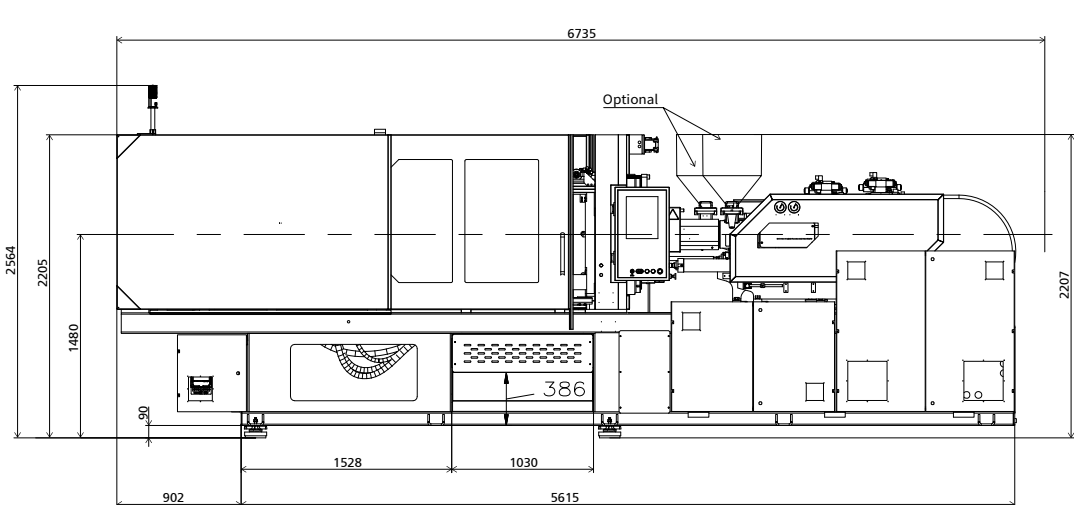
Robot mechanical interface



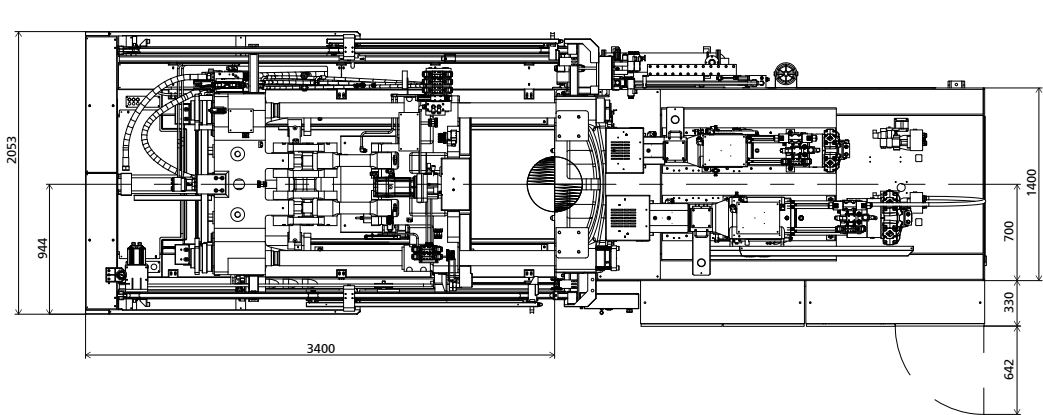
Side dimension drawing of platen



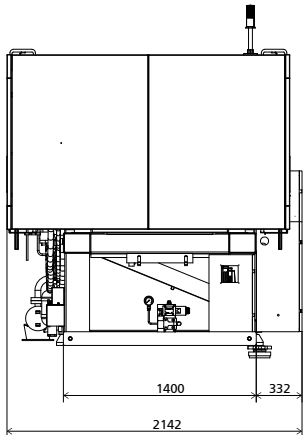
Front view



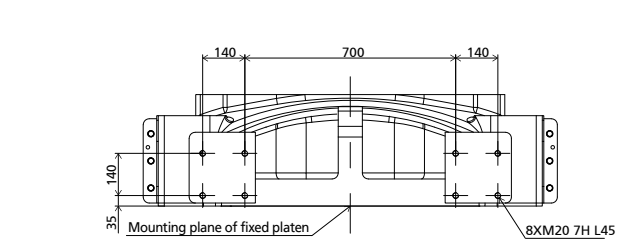
Top view



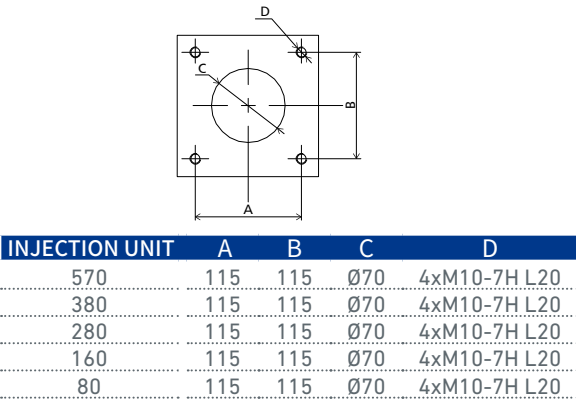
Side view



Robot top view fixed platen



Platen dimension of hopper installation



MA3600WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS

MACHINE TYPE

		MA3600WM/720-280						MA3600WM/570-280						MA3600WM/380-160						MA3600WM/280-160					
CLAMPING UNIT																									
Clamping force	kN													3600											
Mold opening stroke	mm													530											
Dist. between tie bars (HxV)	mm													1010×630											
Diameter of rotary platen	mm													Ø1120											
Max. mold install diameter	mm													Ø1230											
Bearing Capacity of Rotary Platen ①	t													2.2											
Mold height max.	mm													620											
Mold height min.	mm													220											
Ejector stroke ②	mm													150											
Ejector force	kN													62×2											
Nozzle center distance③	mm													560											
Distance between molds positing centers	mm													560											
INJECTION UNIT		720			280			570			280			380			160			280			160		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	45	50	55	32	36	40	40	45	50	32	36	40	36	40	45	26	30	34	32	36	40	26	30	34
Screw L/D ratio	L/D	22.2	20	18.2	22.5	20	18	22.5	20	18	22.5	20	18	23.3	21	18.7	24	21	19	22.5	20	18	24	21	19
Injection volume (theoretical)	cm³	334	412	499	122	155	191	251	318	393	122	155	191	173	214	270	66	88	113	122	155	191	66	88	113
Injection weight (PS)	g	304	375	454	111	141	174	228	289	358	111	141	174	157	195	246	60	80	103	111	141	174	60	80	103
Injection rate (PS)	g/s	160	198	239	86	109	134	156	198	244	86	109	134	160	198	250	85	113	145	151	191	235	85	113	145
Plasticizing rate (GPPS) ④	g/s	21.4	27.0	33.1	10.1	13.3	16.1	21.8	29.1	36.4	10.1	13.3	16.1	18.6	22.1	30.1	7.3	10.0	13.4	12.6	16.6	20.1	7.3	10.0	13.4
Injection pressure	MPa	222	180	149	236	187	151	228	180	146	236	187	151	222	180	142	240	180	140	236	187	151	240	180	140
Screw speed	rpm	0~180			0~240			0~270			0~240			0~300			0~300			0~300			0~300		
OTHERS																									
Pump motor power	kW	30+15						30+15						30+15						30+15					
Heater power	kW	16.3			10.5			12.4			10.5			12.4			6.9			10.5			6.9		
Machine dimension (LxWxH)	m	6.9×2.2×2.6						6.9×2.2×2.6						6.9×2.2×2.6						6.9×2.2×2.6					
Machine weight	t	17.1						17						16.9						16.8					
Hopper capacity	kg	50			25			25			25			25			25			25			25		
Oil tank	l	450						450						450						450					

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

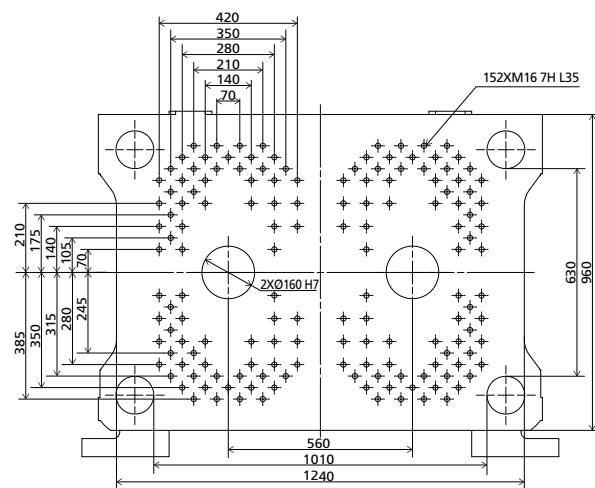
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

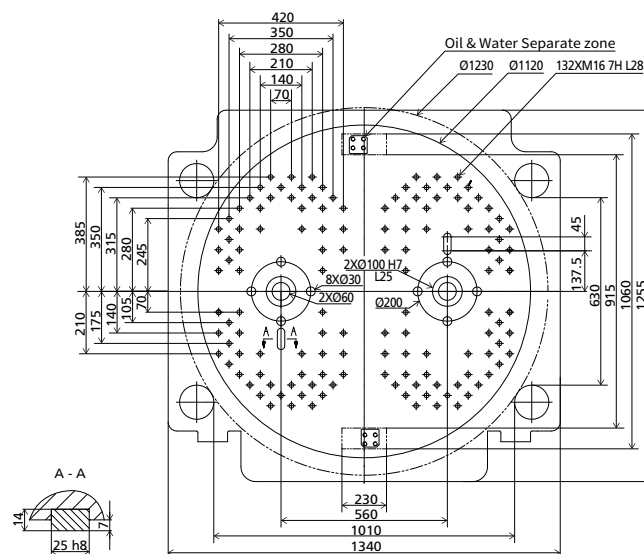
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA3600WM

Platen dimensions fixed platen

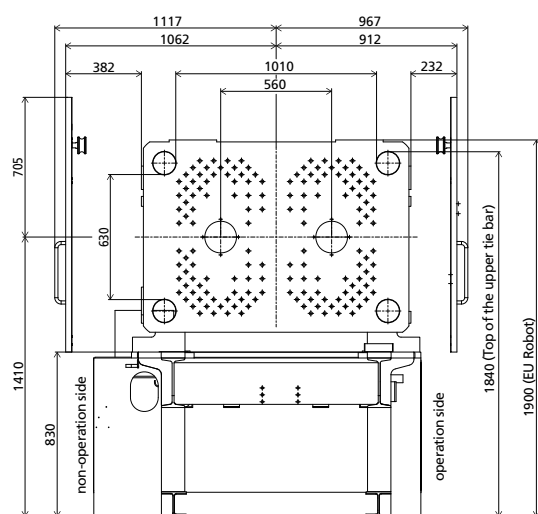


Front dimension of rotary table

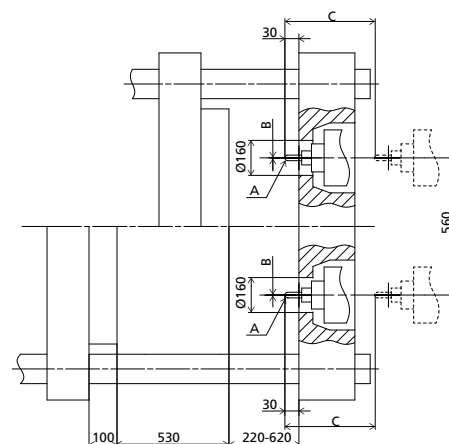


Note : M16 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

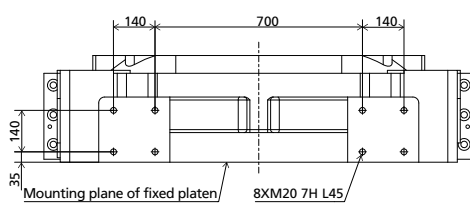


Side dimension drawing of platen

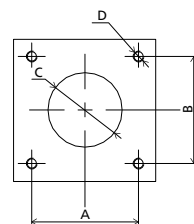


INJECTION UNIT	A	B	C
720	SR10	Ø3	440
570	SR10	Ø3	440
380	SR10	Ø3	440
280	SR10	Ø2.5	390
160	SR10	Ø2	440

Robot top view fixed platen

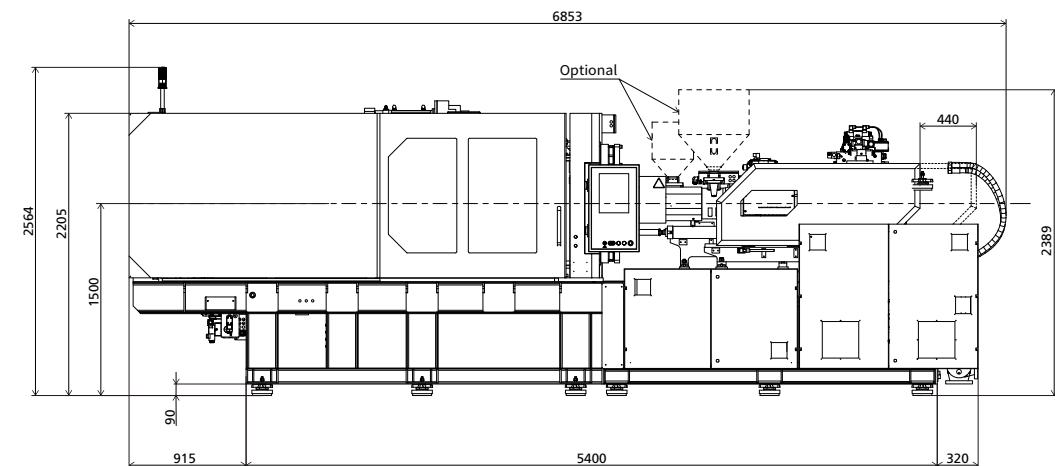


Platen dimension of hopper installation

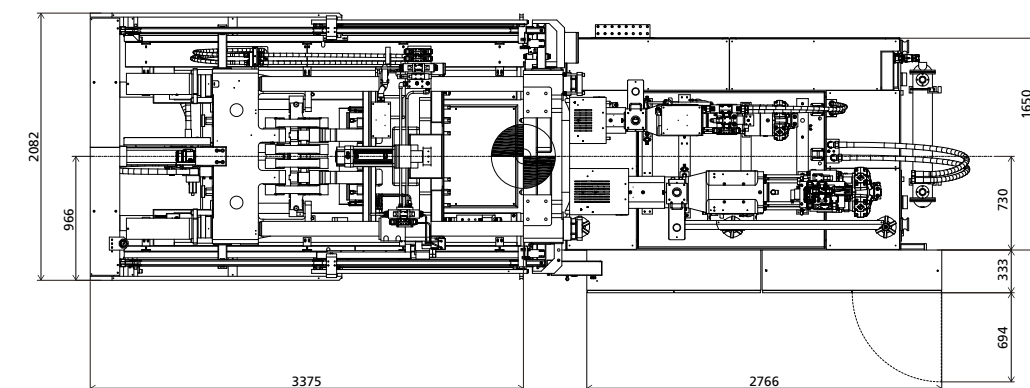


INJECTION UNIT	A	B	C	D
720	115	115	Ø70	4xM10-7H L20
570	115	115	Ø70	4xM10-7H L20
380	115	115	Ø70	4xM10-7H L20
280	115	115	Ø70	4xM10-7H L20
160	115	115	Ø70	4xM10-7H L20

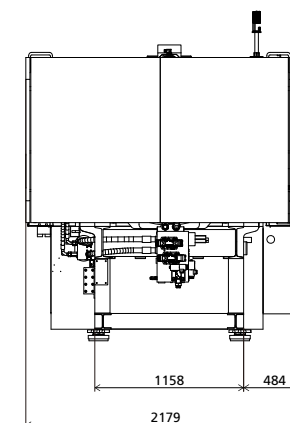
Front view



Top view



Side view



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

MA4200WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS

MACHINE TYPE

		MA4200WM/1050-380						MA4200WM/720-280						MA4200WM/570-280					
CLAMPING UNIT																			
Clamping force	kN	4200																	
Mold opening stroke	mm	620																	
Dist. between tie bars (H×V)	mm	1140×640																	
Diameter of rotary platen	mm	Ø1240																	
Max. mold install diameter	mm	Ø1350																	
Bearing Capacity of Rotary Platen ①	t	2.5																	
Mold height max.	mm	630																	
Mold height min.	mm	220																	
Ejector stroke ②	mm	160																	
Ejector force	kN	62×2																	
Nozzle center distance③	mm	560																	
Distance between molds positing centers	mm	560																	
INJECTION UNIT		1050			380			720			280			570			280		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	50	55	60	36	40	45	45	50	55	32	36	40	40	45	50	32	36	40
Screw L/D ratio	L/D	22	20	18.3	23.3	21	18.7	22.2	20	18.2	22.5	20	18	22.5	20	18	22.5	20	18
Injection volume (theoretical)	cm³	471	570	679	173	214	270	334	412	499	122	155	191	251	318	393	122	155	191
Injection weight (PS)	g	429	519	618	157	195	246	304	375	454	111	141	174	228	289	358	111	141	174
Injection rate (PS)	g/s	183	222	264	106	131	166	160	198	239	86	109	134	156	198	244	86	109	134
Plasticizing rate (GPPS) ④	g/s	29	35.6	42.1	14.9	18.2	24.1	21.4	27.0	33.1	10.1	13.3	16.1	21.8	29.1	36.4	10.1	13.3	16.1
Injection pressure	MPa	231	191	161	222	180	142	222	180	149	236	187	151	228	180	146	236	187	151
Screw speed	rpm	0～185			0～240			0～180			0～240			0～270			0～240		
OTHERS																			
Pump motor power	kW	37+18.5						30+15						30+15					
Heater power	kW	22			12			12.4			10.5			12.4			6.9		
Machine dimension (L×W×H)	m	7.7×2.3×2.6						7.7×2.3×2.6						7.7×2.3×2.6					
Machine weight	t	22						21.9						21.8					
Hopper capacity	kg	50			25			25			25			25			25		
Oil tank	l	490						490						490					

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

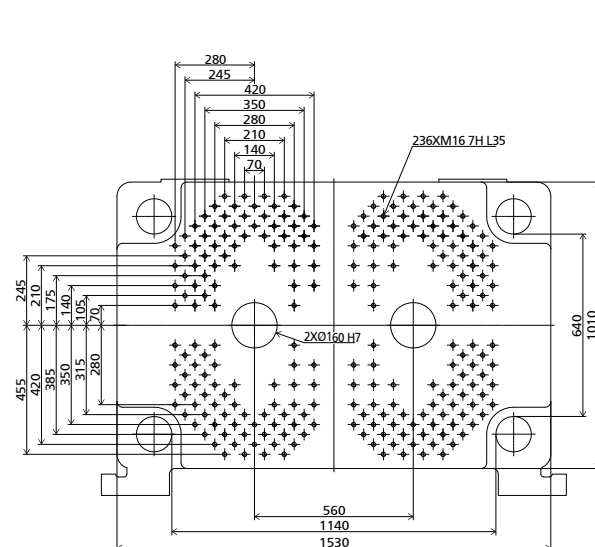
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

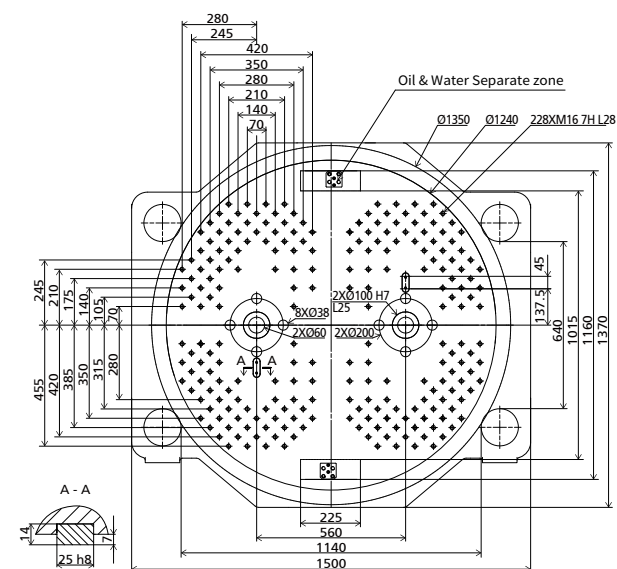
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA4200WM

Platen dimensions fixed platen

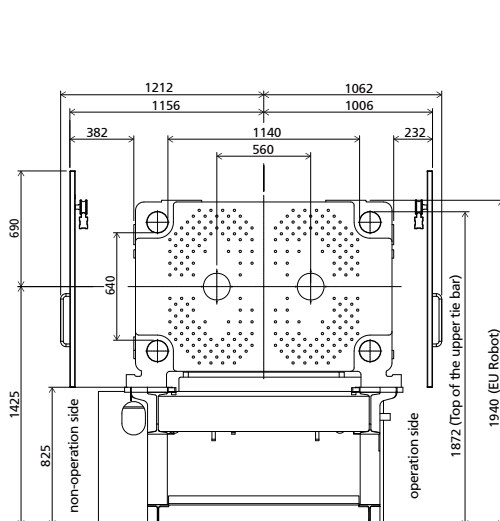


Front dimension of rotary table

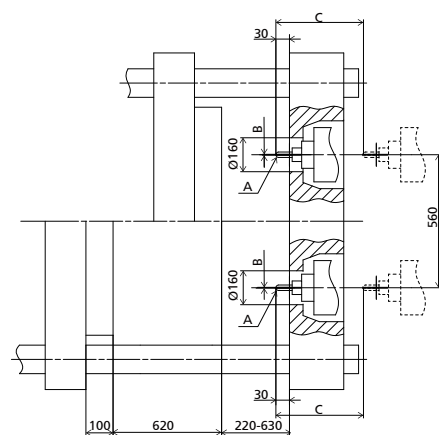


Note : M20 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

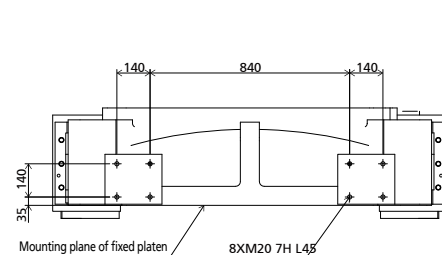


Side dimension drawing of platen

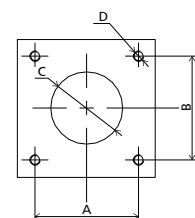


INJECTION UNIT	A	B	C
1050	SR10	Ø3	490
720	SR10	Ø3	490
570	SR10	Ø3	490
380	SR10	Ø3	490
280	SR10	Ø2.5	490

Robot top view fixed platen

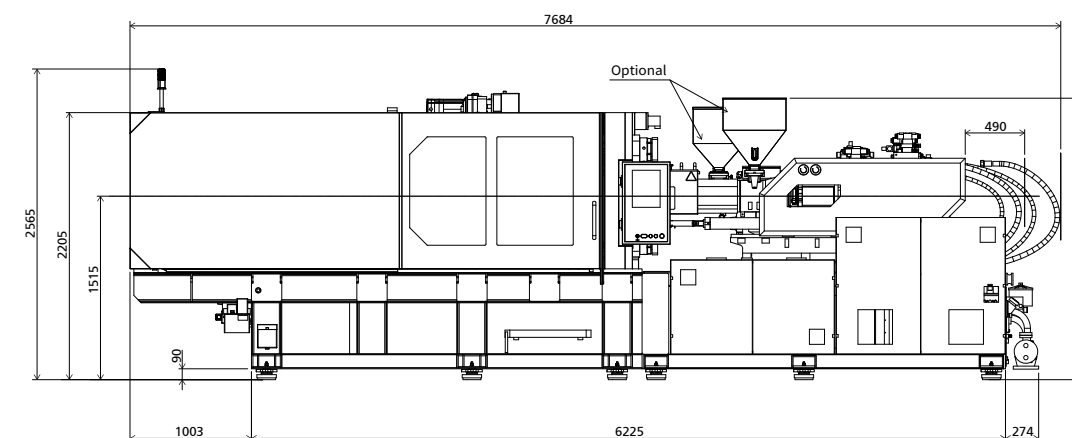


Platen dimension of hopper installation

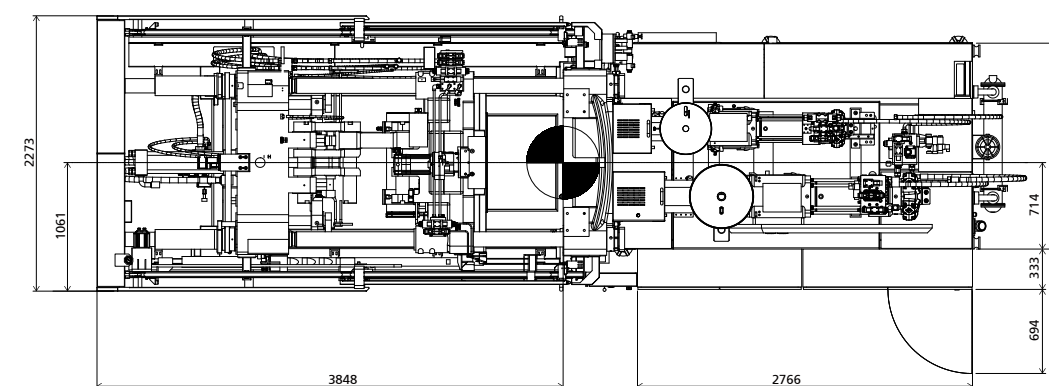


INJECTION UNIT	A	B	C	D
1050	115	115	Ø70	4xM10-7H L20
720	115	115	Ø70	4xM10-7H L20
570	115	115	Ø70	4xM10-7H L20
380	115	115	Ø70	4xM10-7H L20
280	115	115	Ø70	4xM10-7H L20

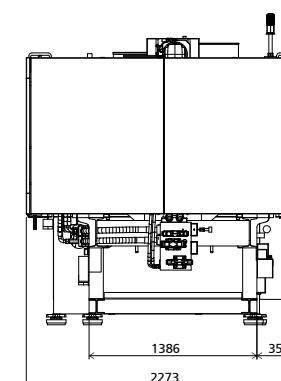
Front view



Top view



Side view



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

MA5300WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS

MACHINE TYPE

		MA5300WM/2400-380						MA5300WM/1300-380						MA5300WM/720-280					
CLAMPING UNIT																			
Clamping force	kN	5300																	
Mold opening stroke	mm	600																	
Dist. between tie bars (HxV)	mm	1170×700																	
Diameter of rotary platen	mm	Ø1250																	
Max. mold install diameter	mm	Ø1415																	
Bearing Capacity of Rotary Platen ①	t	3.3																	
Mold height max.	mm	710																	
Mold height min.	mm	250																	
Ejector stroke ②	mm	170																	
Ejector force	kN	110×2																	
Nozzle center distance ③	mm	630																	
Distance between molds positing centers	mm	630																	
		2400			380			1300			380			720			280		
		A	B	C	A	B	C	A	B	C	A	B	C	A	B	C	A	B	C
Screw diameter	mm	65	70	75	36	40	45	55	60	65	36	40	45	45	50	55	32	36	40
Screw L/D ratio	L/D	21.5	20	18.7	23.3	21	18.7	21.8	20	18.5	23.3	21	18.7	22.2	20	18.2	22.5	20	18
Injection volume (theoretical)	cm³	1068	1239	1423	173	214	270	618	735	863	173	214	270	334	412	499	122	155	191
Injection weight (PS)	g	972	1127	1295	157	195	246	562	669	785	157	195	246	304	375	454	111	141	174
Injection rate (PS)	g/s	277	321	369	106	131	166	296	353	414	106	131	166	286	353	427	100	126	156
Plasticizing rate (GPPS) ④	g/s	46.7	53.6	60.8	14.9	18.2	24.1	45.6	54.1	60.1	14.9	18.2	24.1	33.3	42.0	51.3	11.7	15.5	18.8
Injection pressure	MPa	229	198	172	222	180	142	214	180	153	222	180	142	222	180	149	236	187	151
Screw speed	rpm	0~184			0~240			0~255			0~240			0~280			0~280		
OTHERS																			
Pump motor power	kW	55+18.5						55+18.5						55+18.5					
Heater power	kW	32			12.4			25.5			12.4			16.3			10.5		
Machine dimension (LxWxH)	m	8.8×2.5×2.7						8.8×2.5×2.7						8.8×2.5×2.7					
Machine weight	t	30						29.5						29					
Hopper capacity	kg	50			25			50			25			50			25		
Oil tank	l	720						720						720					

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

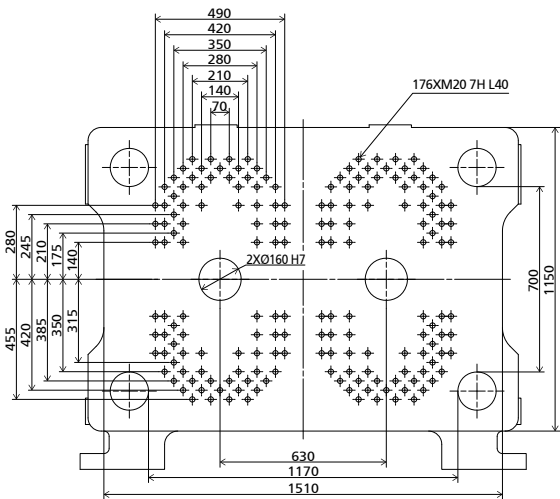
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

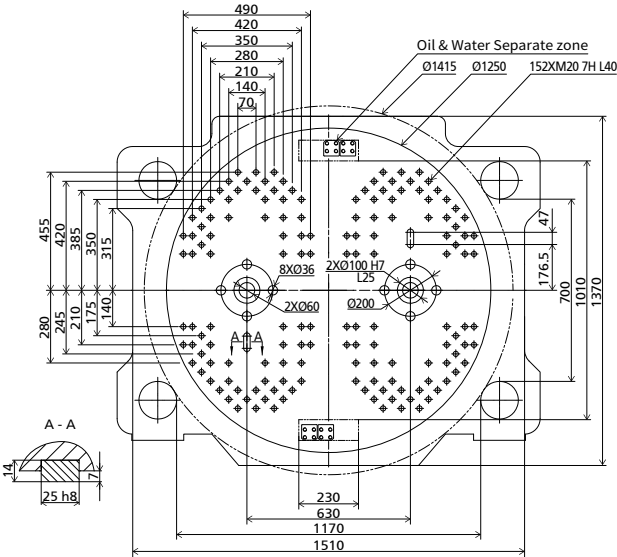
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA5300WM

Platen dimensions fixed platen

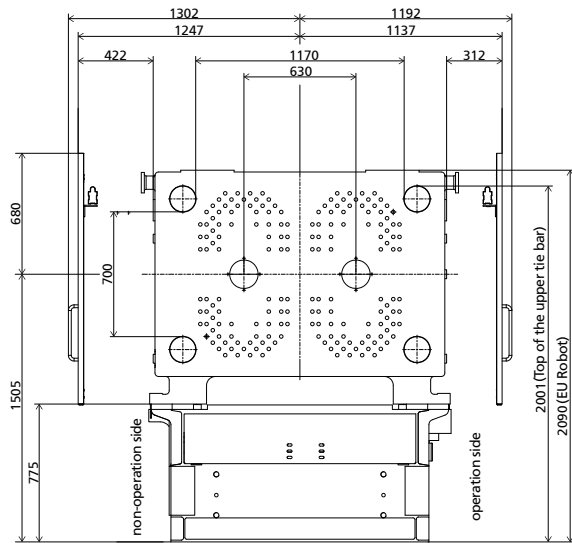


Front dimension of rotary table

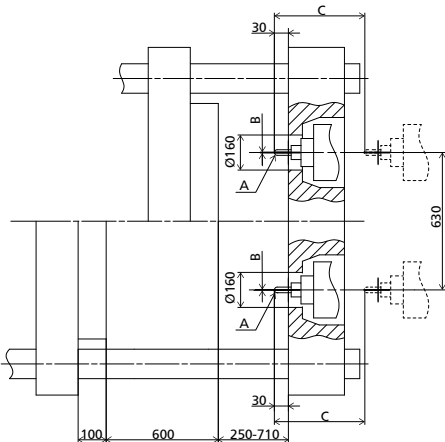


Note : M20 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

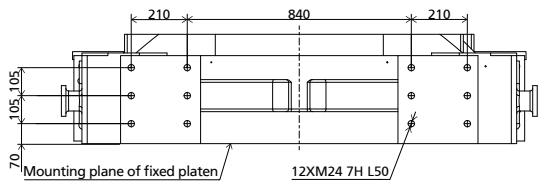


Side dimension drawing of platen

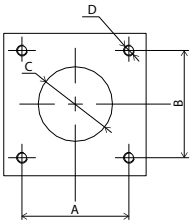


INJECTION UNIT	A	B	C
2400	SR15	Ø4	590
1300	SR10	Ø3	590
720	SR10	Ø3	490
380	SR10	Ø3	490
280	SR10	Ø2.5	490

Robot top view fixed platen

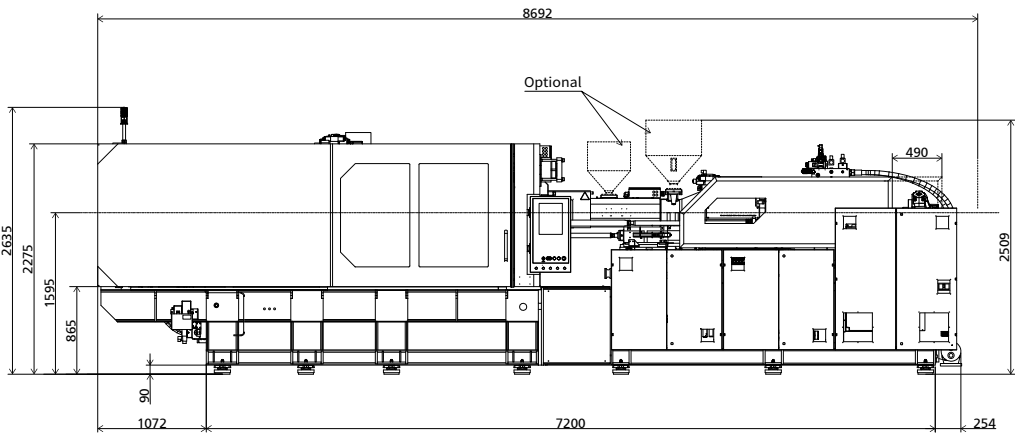


Platen dimension of hopper installation

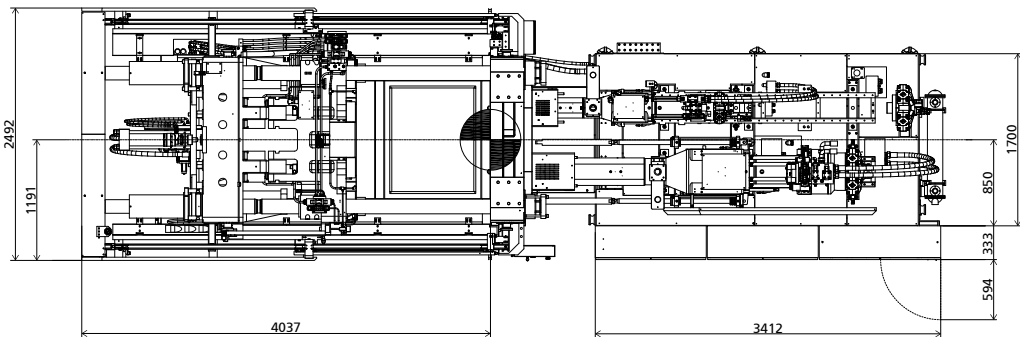


INJECTION UNIT	A	B	C	D
2400	115	115	Ø70	4xM10-7H L20
1300	115	115	Ø70	4xM10-7H L20
720	115	115	Ø70	4xM10-7H L20
380	115	115	Ø70	4xM10-7H L20
280	115	115	Ø70	4xM10-7H L20

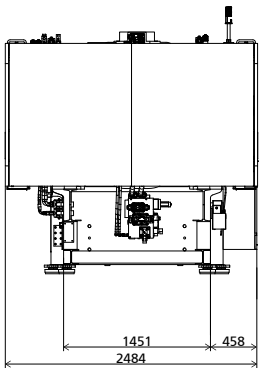
Front view



Top view



Side view



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

MA7000WM

Turntable multi-color machine with wide mold platen

SPECIFICATIONS
MACHINE TYPE

		MA7000WM/2400-380					
CLAMPING UNIT							
Clamping force	kN	7000					
Mold opening stroke	mm	800					
Dist. between tie bars (H×V)	mm	1260×790					
Diameter of rotary platen	mm	Ø1425					
Max. mold install diameter	mm	Ø1550					
Bearing Capacity of Rotary Platen ①	t	5					
Mold height max.	mm	920					
Mold height min.	mm	280					
Ejector stroke ②	mm	280					
Ejector force	kN	110×2					
Nozzle center distance③	mm	630					
Distance between molds positing centers	mm	630					
INJECTION UNIT		2400			380		
		A	B	C	A	B	C
Screw diameter	mm	65	70	75	36	40	45
Screw L/D ratio	L/D	21.5	20	18.7	23.3	21	18.7
Injection volume (theoretical)	cm³	1068	1239	1423	173	214	270
Injection weight (PS)	g	972	1127	1295	157	195	246
Injection rate (PS)	g/s	277	321	369	106	131	166
Plasticizing rate (GPPS) ④	g/s	46.7	53.6	60.8	14.9	18.2	24.1
Injection pressure	MPa	229	198	172	222	180	142
Screw speed	rpm	0~184			0~240		
OTHERS							
Pump motor power	kW	55+18.5					
Heater power	kW	32			12.4		
Machine dimension (L×W×H)	m	10.4×2.6×2.8					
Machine weight	t	38					
Hopper capacity	kg	50			25		
Oil tank	l	810					

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

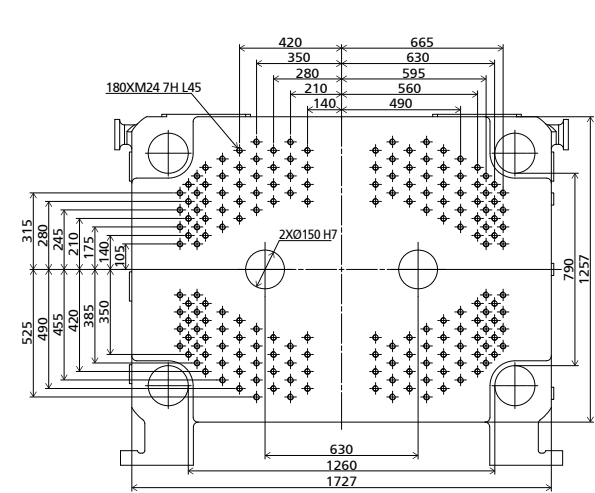
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

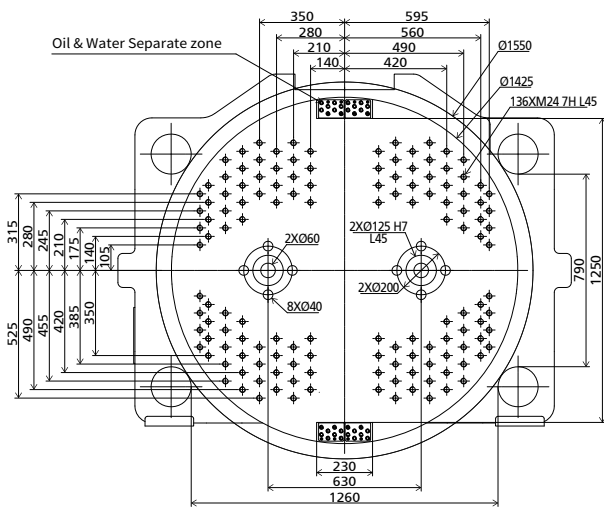
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA7000WM

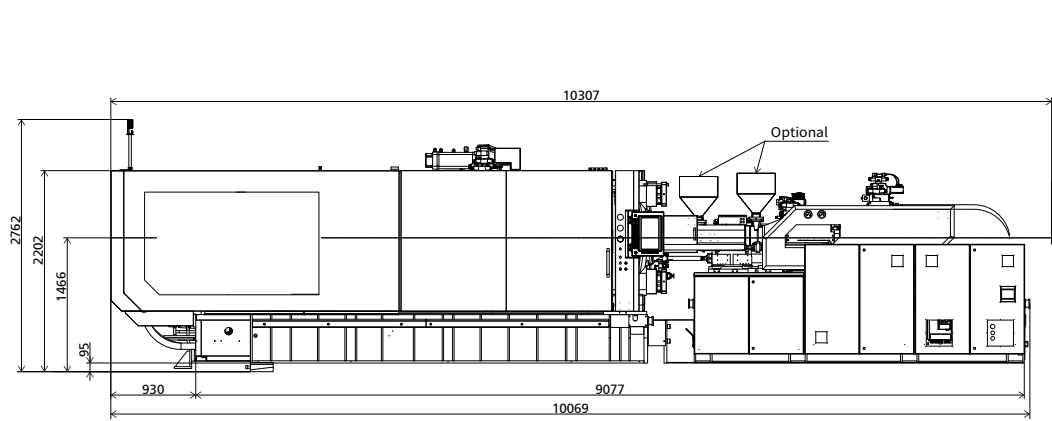
Platen dimensions fixed platen



Front dimension of rotary table

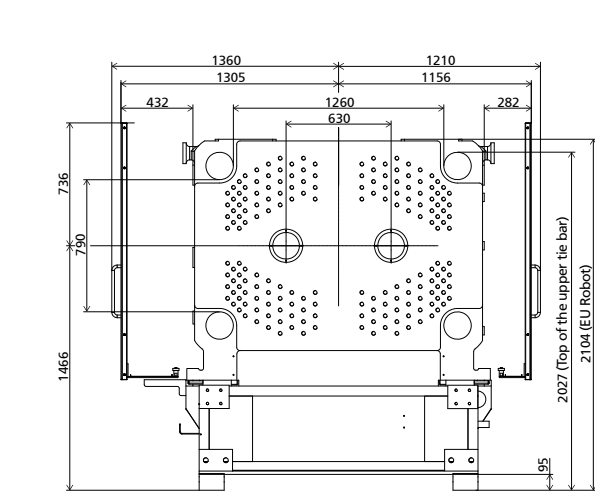


Front view

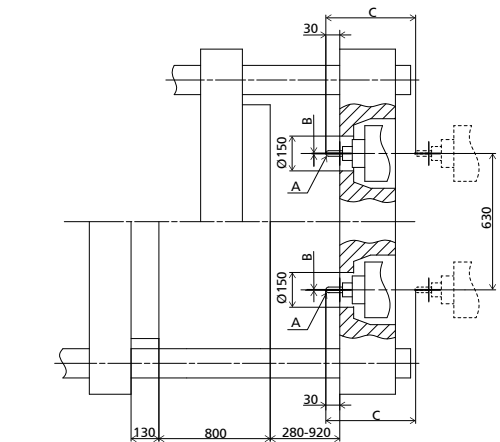


Note : M24 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

Robot mechanical interface

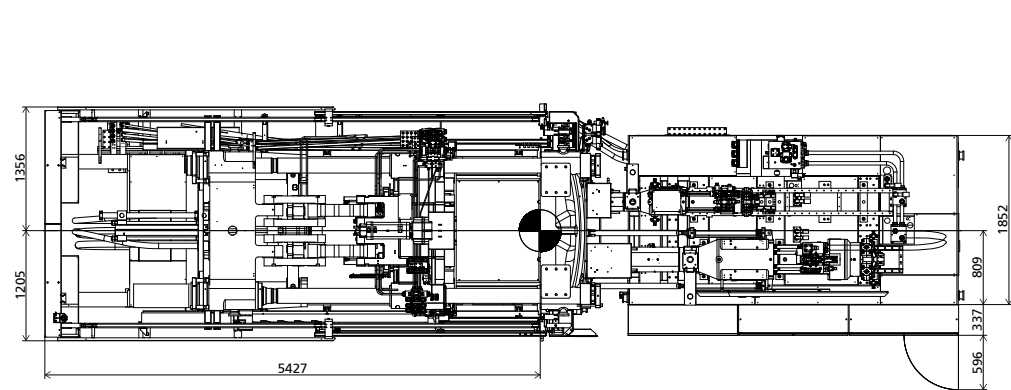


Side dimension drawing of platen

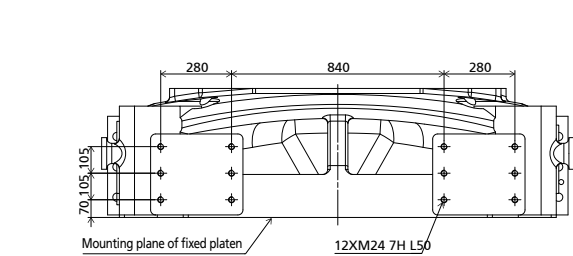


INJECTION UNIT	A	B	C
2400	SR15	Ø4	660
1300	SR10	Ø3	660
720	SR10	Ø3	590
380	SR10	Ø3	590
280	SR10	Ø2.5	590

Top view



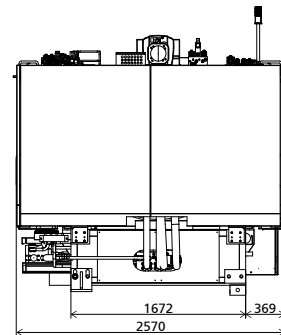
Robot top view fixed platen



Platen dimension of hopper installation

INJECTION UNIT	A	B	C	D
2400	115	115	Ø70	4xM10-7H L20
1300	115	115	Ø70	4xM10-7H L20
720	115	115	Ø70	4xM10-7H L20
380	115	115	Ø70	4xM10-7H L20
280	115	115	Ø70	4xM10-7H L20

Side view



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



MA / M Series M
Turntable multi-color machine with narrow mold platen
2,000 kN

MA2000M

Turntable multi-color machine with narrow mold platen

SPECIFICATIONS
MACHINE TYPE

		MA2000M/280-280					
CLAMPING UNIT							
Clamping force	kN	2000					
Mold opening stroke	mm	490					
Dist. between tie bars (H×V)	mm	530×530					
Diameter of rotary platen	mm	Ø670					
Max. mold install diameter	mm	Ø785					
Bearing Capacity of Rotary Platen ①	t	0.7					
Mold height max.	mm	510					
Mold height min.	mm	200					
Ejector stroke ②	mm	140					
Ejector force	kN	28×2					
Nozzle center distance ③	mm	250					
Distance between molds positing centers	mm	365					
INJECTION UNIT		280			280		
		A	B	C	A	B	C
Screw diameter	mm	32	36	40	32	36	40
Screw L/D ratio	L/D	22.5	20	18	22.5	20	18
Injection volume (theoretical)	cm³	122	155	191	122	155	191
Injection weight (PS)	g	111	141	174	111	141	174
Injection rate (PS)	g/s	86	109	134	86	109	134
Plasticizing rate (GPPS) ④	g/s	10.1	13.3	16.1	10.1	13.3	16.1
Injection pressure	MPa	236	187	151	236	187	151
Screw speed	rpm	0~250			0~250		
OTHERS							
Pump motor power	kW	15+15					
Heater power	kW	10.5			10.5		
Machine dimension (L×W×H)	m	5.7×2.3×1.5					
Machine weight	t	7					
Hopper capacity	kg	25			25		
Oil tank	l	230					

NOTE:

① Load bearing of rotary table: it is the data when the mold thickness at the rotary table side is 1 / 2 of the maximum mold thickness.
If the mold thickness at the rotary table side exceeds 1 / 2 of the maximum mold thickness, the data will be reduced accordingly.

② The ejection stroke is the data when the ejector transition rod is installed.

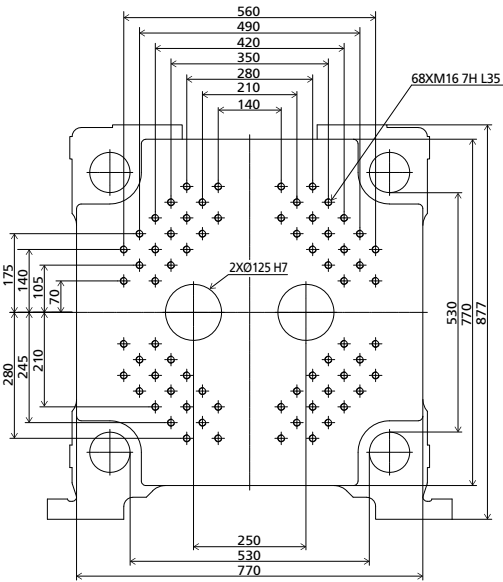
③ The nozzle center distance is the same as the mold positioning center distance at the fixed mold side.

④ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

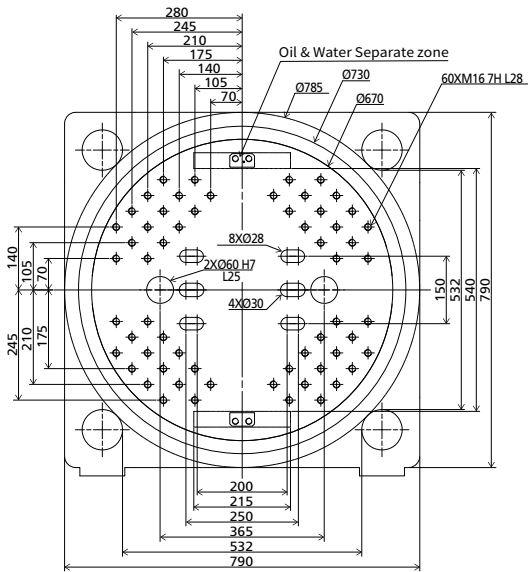
We reserve the right to make changes as a result of further technical advantages.

DIMENSIONS MA2000M

Platen dimensions fixed platen

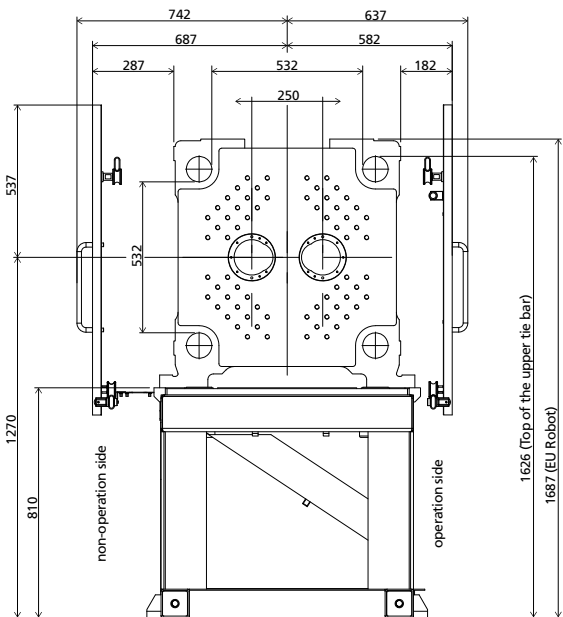


Front dimension of rotary table

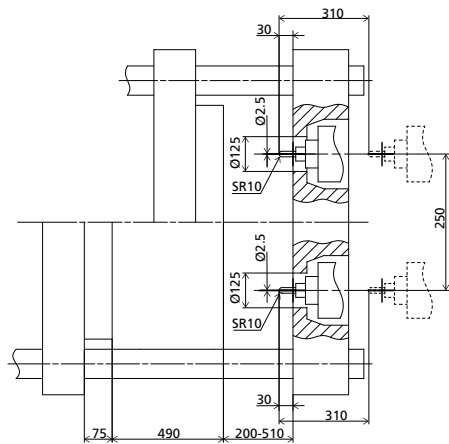


Note : M16 screw hole should be drilled on the ejector plate corresponding to the location of ejection hole, which is used to install the ejector transition rod.

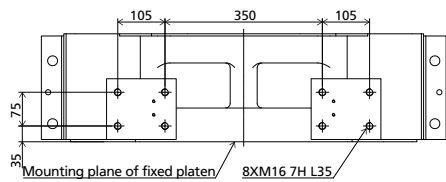
Robot mechanical interface



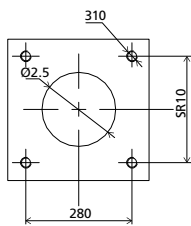
Side dimension drawing of platen



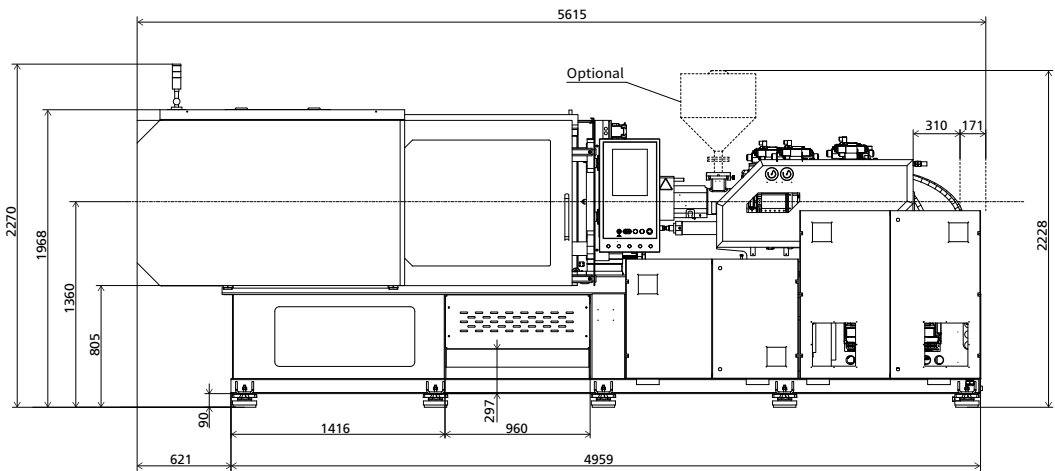
Robot top view fixed platen



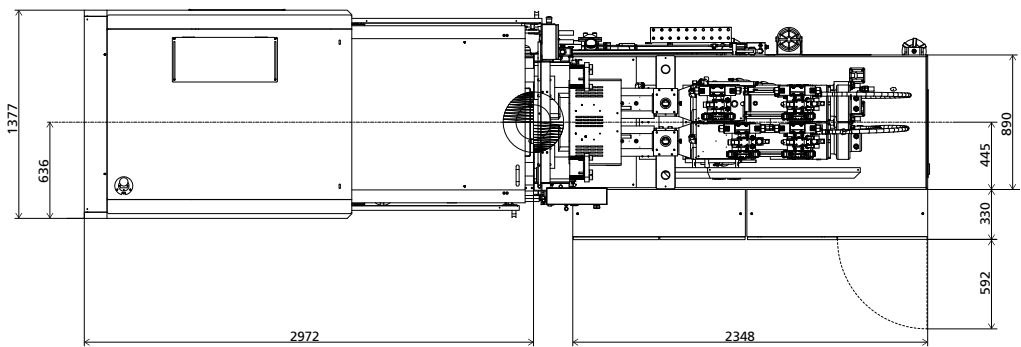
Platen dimension of hopper installation



Front view



Top view



Side view

