

TECHNOLOGY TO THE POINT



SMART
TECHNOLOGY



FLEXIBLE
INTEGRATION



SUSTAINABLE
SOLUTIONS

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JENIUS SERIES

TECHNICAL SPECIFICATION

3,600 – 12,000 kN



TECHNICAL DATA JE3600 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force		3600									
	Dist. between tie bars (H×V)		730×730									
	Mold height max.		730									
	Mold height min.		280									
	Ejector stroke		160									
	Ejector force		110									
	Max. daylight		1250									
	Mold opening stroke ¹		970/520									
	Max. mold weight ²		3.6									
	Min. mold dimension		510×510									
Size of mold platen (H×V)		1050×1050										
INJECTION UNIT	INJECTION UNIT		1400			1700			2250			
			A	B	C	A	B	C	A	B	C	
	Screw diameter		mm	55	60	65	60	65	70	65	70	80
	Screw L/D ratio		L/D	21.8	20	18.5	21.6	20	18.6	21.5	20	17.5
	Injection volume (theoretical) ³		cm ³	617	735	862	791	929	1077	1068	1239	1618
	Injection weight (PS) ⁴		g	562	668	785	720	845	980	972	1127	1472
	Injection speed		mm/s	160			160			130		
	Injection rate (PS)		g/s	332	395	463	395	463	537	376	436	570
	Injection pressure ⁵		MPa	214	180	153	210	180	155	210	180	138
			bar	2140	1800	1530	2100	1800	1550	2100	1800	1380
	Holding pressure ⁵		MPa	190	160	136	187	160	138	190	162	124
			bar	1900	1600	1360	1870	1600	1380	1900	1620	1240
	Screw speed		rpm	300			250			240		
	Plasticizing rate (GPPS) ⁶		g/s	54	64	71	57	68	72	62	71	88
Plasticizing rate (HDPE) ⁷		g/s							93	111	132	
Nozzle contact force		kN	94.8			94.8			94.8			
Heating power		kW	29.3			33.1			36.1			
OTHERS	Connection power		kW/A			63/106			71/119			
	Hopper capacity		kg	50			50			50		
	Machine dimension		m	6.95×2.13×2.88			6.95×2.13×2.88			6.95×2.13×2.88		
	Machine weight		t	18			18			19		

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

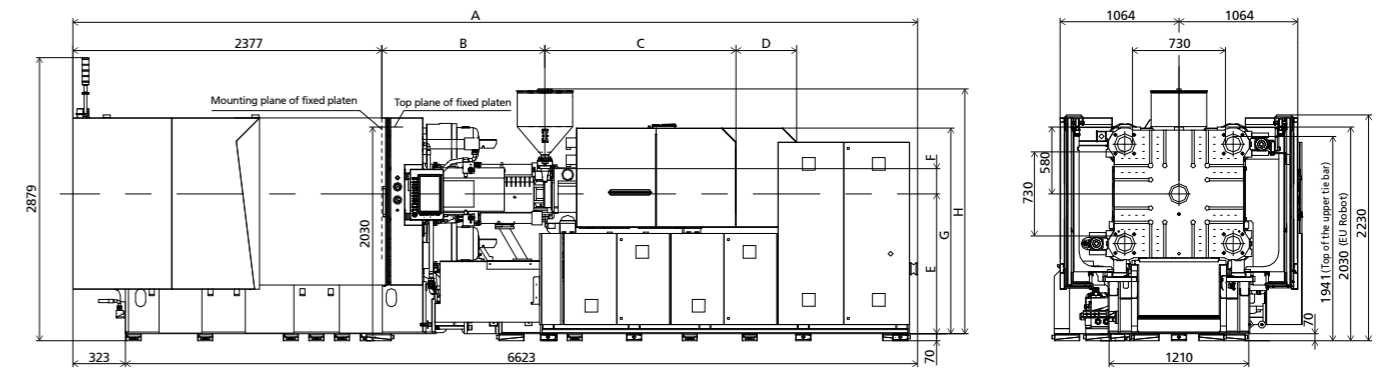
⁴ Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

⁵ Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

⁶ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

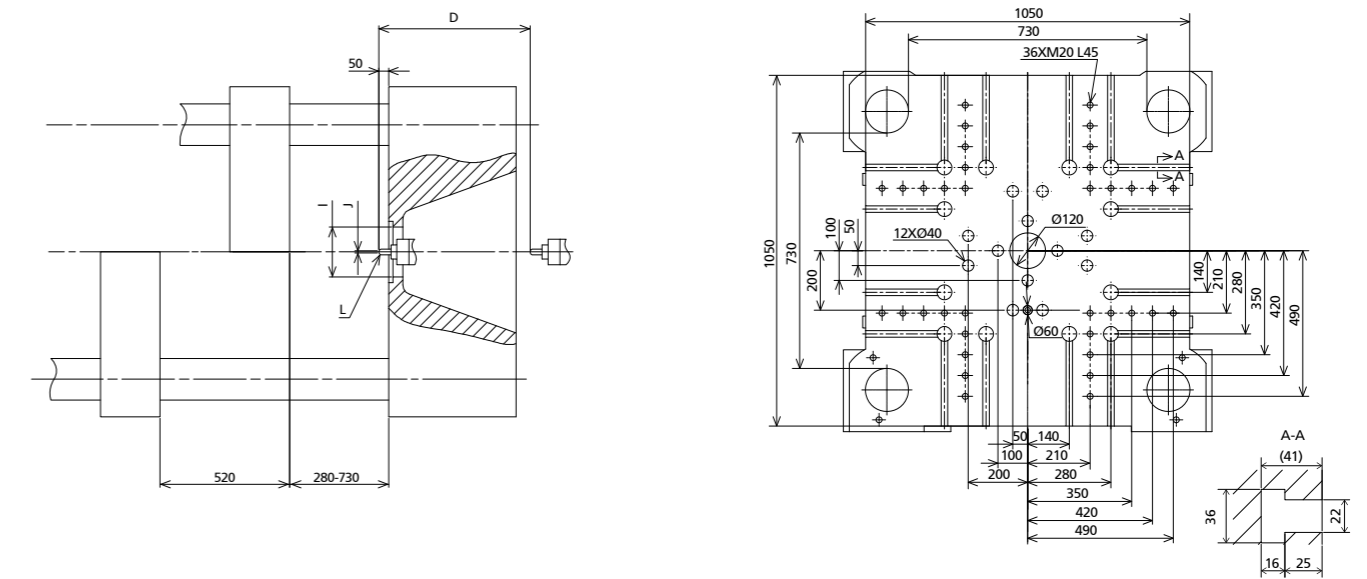
⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

MACHINE DIMENSIONS

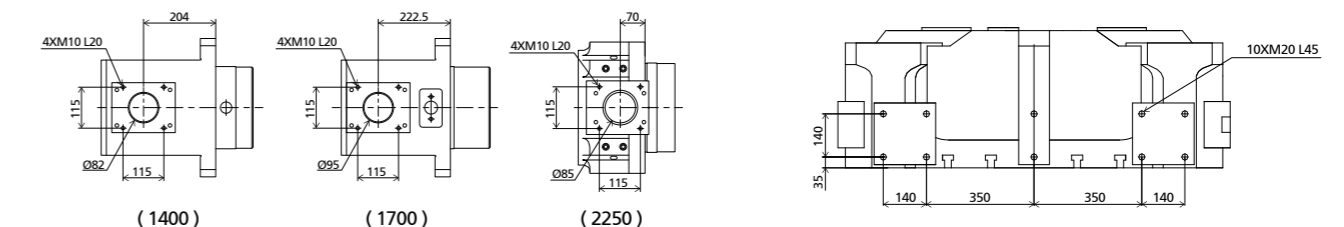


	A	B	C	D	E	F	G	H	I	J	L
1400	6946	1360	2294	500	1380	148	2185	2339	160	Ø3	SR10
1700	6946	1522	2298	500	1380	148	2185	2339	160	Ø3	SR10
2250	6946	1613	1890	500	1380	225	2031	2416	160	Ø4	SR15

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

This parameter table is based on machine standard configuration;

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

TECHNICAL DATA JE4500 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	4500										
	Dist. between tie bars (H×V)	mm	810×810										
	Mold height max.	mm	850										
	Mold height min.	mm	350										
	Ejector stroke	mm	250										
	Ejector force	kN	110										
	Max. daylight	mm	1400										
	Mold opening stroke ¹	mm	1050/550										
	Max. mold weight ²	t	6.5										
Min. mold dimension	mm	565×565											
Size of mold platen (H×V)	mm	1090×1180											
INJECTION UNIT	1700		2250			3350							
		A	B	C	A	B	C	A	B	C			
	Screw diameter	mm	60	65	70	65	70	80	75	80	90		
	Screw L/D ratio	L/D	21.6	20	18.6	21.5	20	17.5	21.3	20	17.8		
	Injection volume (theoretical) ³	cm ³	791	929	1077	1068	1239	1618	1634	1859	2353		
	Injection weight (PS) ⁴	g	720	845	980	972	1127	1472	1487	1692	2141		
	Injection speed	mm/s	160			130			130				
	Injection rate (PS)	g/s	395	463	537	376	436	570	501	570	722		
	Injection pressure ⁵	MPa	210	180	155	210	180	138	205	180	142		
		bar	2100	1800	1550	2100	1800	1380	2050	1800	1420		
	Holding pressure ⁵	MPa	187	160	138	190	162	124	185	162	128		
		bar	1870	1600	1380	1900	1620	1240	1850	1620	1280		
	Screw speed	rpm	250			240			220				
	Plasticizing rate (GPPS) ⁶	g/s	57	68	72	62	71	88	70	92	105		
	Plasticizing rate (HDPE) ⁷	g/s				93	111	132	105	141	165		
Nozzle contact force	kN	94.8			94.8			94.8					
Heating power	kW	33.1			36.1			42.6					
OTHERS	Connection power	kW/A	63/106			71/119			83/139				
	Hopper capacity	kg	50			50			100				
	Machine dimension	m	7.38×2.17×2.88			7.38×2.17×2.88			7.38×2.17×2.88				
	Oil tank	l	520			520			520				
Machine weight	t	19			20			20					

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

⁴ Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

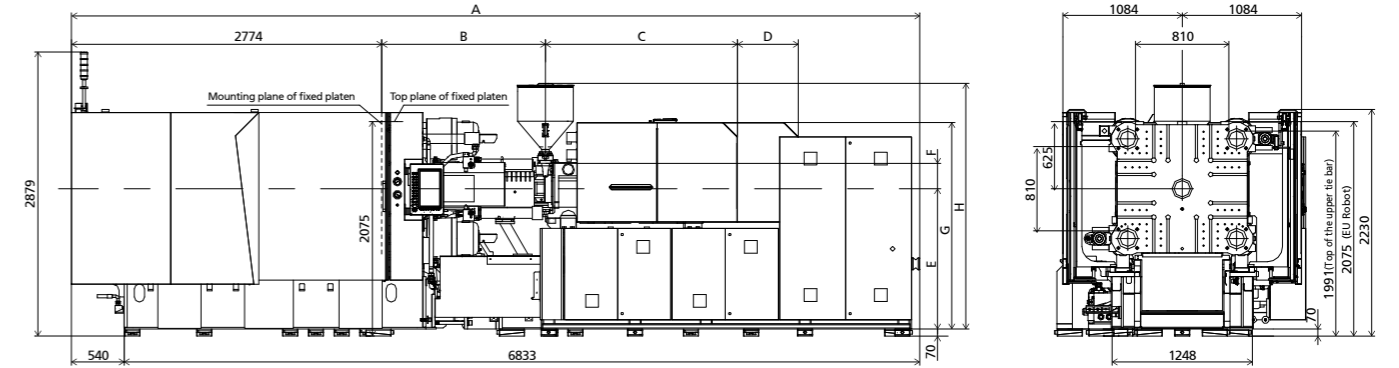
⁵ Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

⁶ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

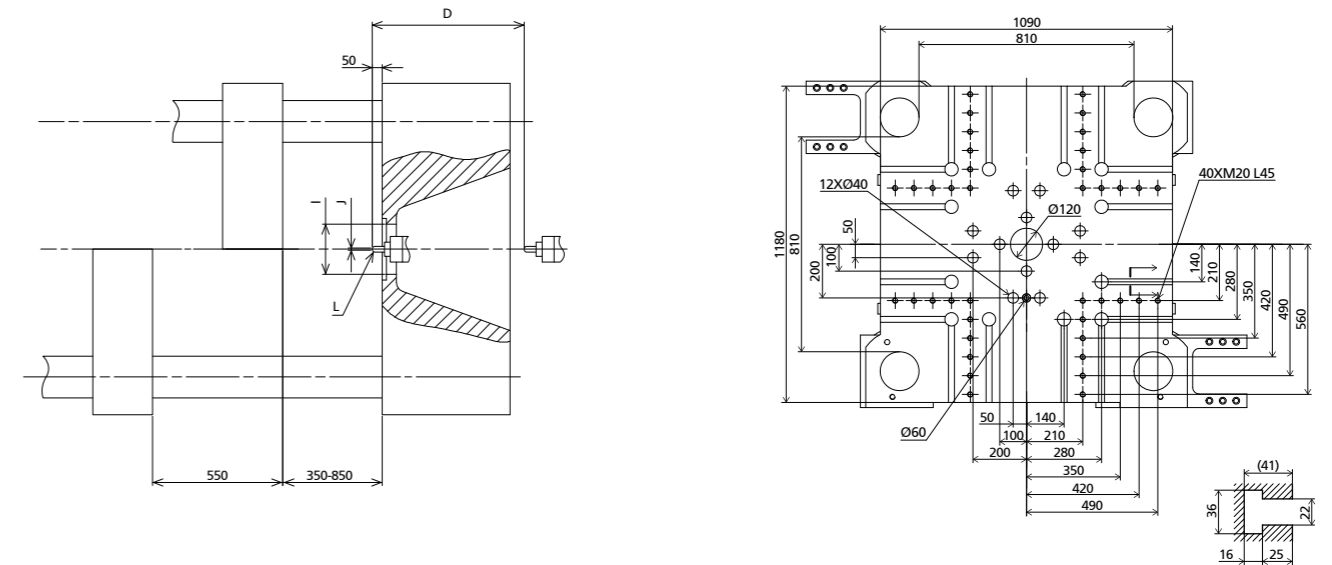
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MACHINE DIMENSIONS

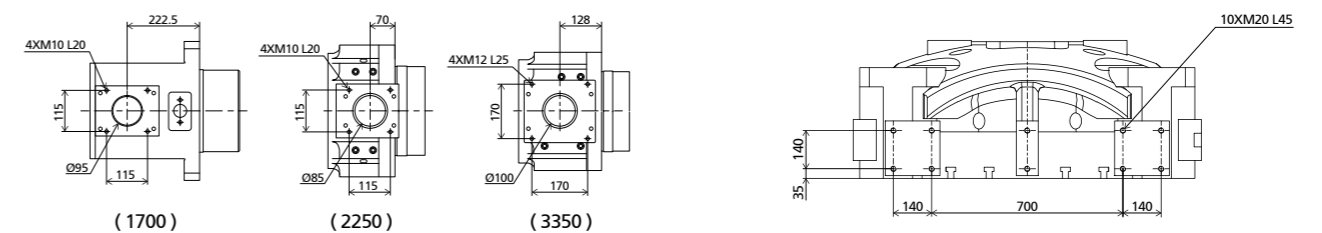


	A	B	C	D	E	F	G	H	I	J	L
1700	7373	1522	2298	600	1380	148	2185	2339	160	Ø3	SR10
2250	7373	1613	1890	600	1380	225	2031	2416	160	Ø4	SR15
3350	7373	1821	1948	600	1380	225	2031	2719	160	Ø4	SR15

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

TECHNICAL DATA JE5500 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	5500								
	Dist. between tie bars (H×V)	mm	920×830								
	Mold height max.	mm	900								
	Mold height min.	mm	350								
	Ejector stroke	mm	250								
	Ejector force	kN	110								
	Max. daylight	mm	1650								
	Mold opening stroke ¹	mm	1300/750								
Max. mold weight ²	t	8									
Min. mold dimension	mm	645×580									
Size of mold platen (H×V)	mm	1280×1260									
INJECTION UNIT		2250			3350			5200			
		A	B	C	A	B	C	A	B	C	
Screw diameter	mm	65	70	80	75	80	90	80	90	100	
Screw L/D ratio	L/D	21.5	20	17.5	21.3	20	17.8	24.8	22	19.8	
Injection volume (theoretical) ³	cm ³	1068	1239	1618	1634	1859	2353	2261	2862	3534	
Injection weight (PS) ⁴	g	972	1127	1472	1487	1692	2141	2058	2605	3216	
Injection speed	mm/s	130			130			120			
Injection rate (PS)	g/s	376	436	570	501	570	722	527	667	823	
Injection pressure ⁵	MPa	210	180	138	205	180	142	227	180	145	
	bar	2100	1800	1380	2050	1800	1420	2270	1800	1450	
Holding pressure ⁵	MPa	190	162	124	185	162	128	204	162	131	
	bar	1900	1620	1240	1850	1620	1280	2040	1620	1310	
Screw speed	rpm	240			220			190			
Plasticizing rate (GPPS) ⁶	g/s	62	71	88	70	92	105	85	107	131	
Plasticizing rate (HDPE) ⁷	g/s	93	111	132	105	141	165	128	162	200	
Nozzle contact force	kN	94.8			94.8			94.8			
Heating power	kW	36.1			42.6			54.3			
Connection power	kW/A	71/119			83/139			110/185			
Hopper capacity	kg	50			100			100			
Machine dimension	m	8.36×2.35×2.88			8.36×2.35×2.88			8.36×2.35×2.88			
Oil tank	l	530			530			530			
Machine weight	t	23			23			24			

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

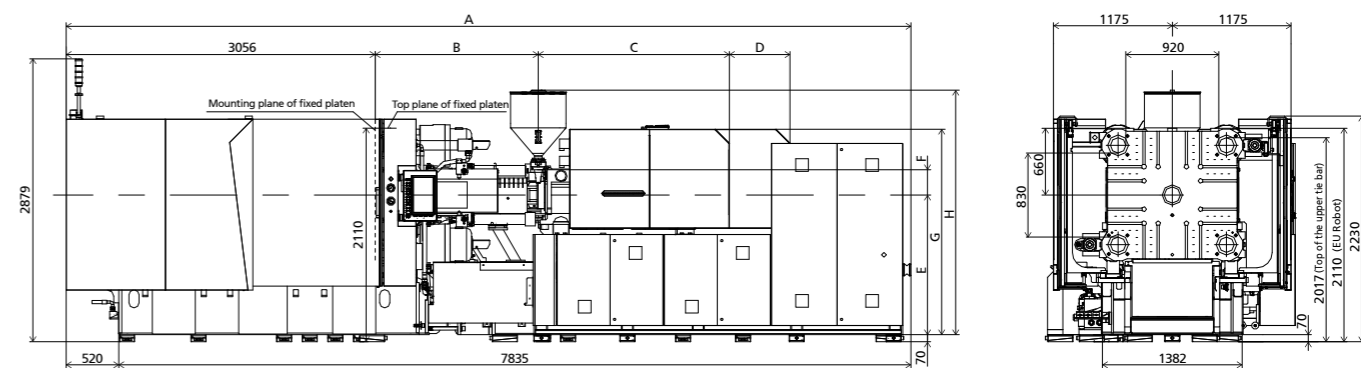
⁴ Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

⁵ Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

⁶ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

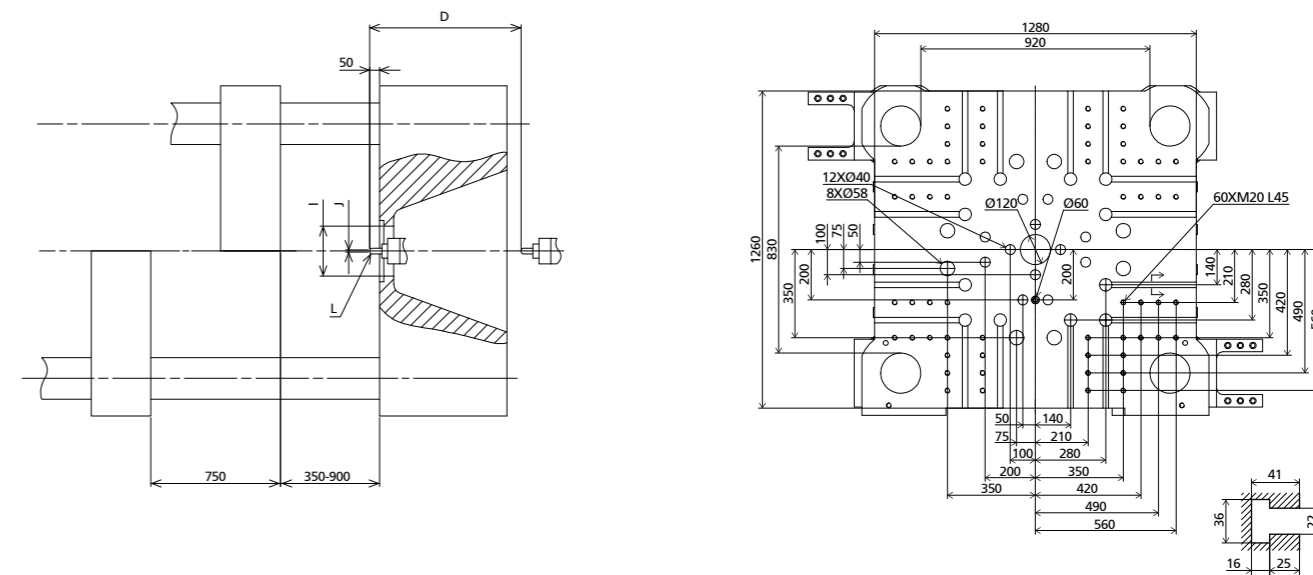
⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

MACHINE DIMENSIONS

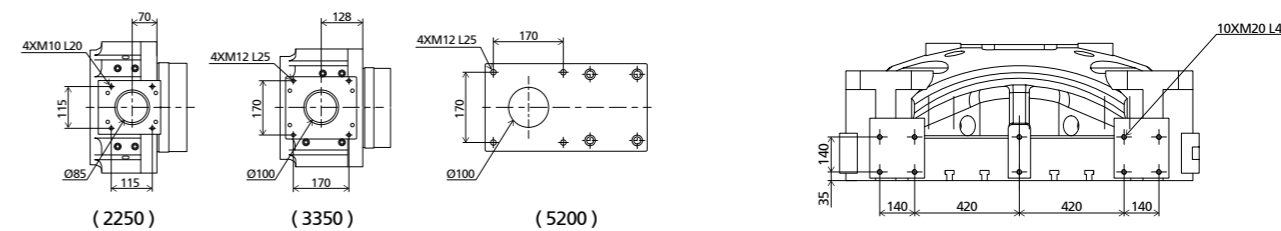


	A	B	C	D	E	F	G	H	I	J	L
2250	8355	1613	1890	600	1380	225	2031	2416	160	∅4	SR15
3350	8355	1821	1948	600	1380	225	2031	2719	160	∅4	SR15
5200	8355	2257	2240	600	1380	220	2183	2714	160	∅4	SR15

PLATEN DIMENSIONS



OTHERS DIMENSIONS



This parameter table is based on machine standard configuration;
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TECHNICAL DATA JE6500 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	6500								
	Dist. between tie bars (H×V)	mm	1040×910								
	Mold height max.	mm	950								
	Mold height min.	mm	400								
	Ejector stroke	mm	250								
	Ejector force	kN	110								
	Max. daylight	mm	1750								
	Mold opening stroke ¹	mm	1350/800								
	Max. mold weight ²	t	9.5								
Min. mold dimension	mm	730×635									
Size of mold platen (H×V)	mm	1400×1350									
INJECTION UNIT	2250			3350			5200				
		A	B	C	A	B	C	A	B	C	
	Screw diameter	mm	65	70	80	75	80	90	80	90	100
	Screw L/D ratio	L/D	21.5	20	17.5	21.3	20	17.8	24.8	22	19.8
	Injection volume (theoretical) ³	cm ³	1068	1239	1618	1634	1859	2353	2261	2862	3534
	Injection weight (PS) ⁴	g	972	1127	1472	1487	1692	2141	2058	2605	3216
	Injection speed	mm/s	130			130			120		
	Injection rate (PS)	g/s	376	436	570	501	570	722	527	667	823
	Injection pressure ⁵	MPa	210	180	138	205	180	142	227	180	145
		bar	2100	1800	1380	2050	1800	1420	2270	1800	1450
	Holding pressure ⁵	MPa	190	162	124	185	162	128	204	162	131
		bar	1900	1620	1240	1850	1620	1280	2040	1620	1310
	Screw speed	rpm	240			220			190		
	Plasticizing rate (GPPS) ⁶	g/s	62	71	88	70	92	105	85	107	131
	Plasticizing rate (HDPE) ⁷	g/s	93	111	132	105	141	165	128	162	200
Nozzle contact force	kN	94.8			94.8			94.8			
Heating power	kW	36.1			42.6			54.3			
OTHERS	Connection power	kW/A	71/119			83/139			110/185		
	Hopper capacity	kg	50			100			100		
	Machine dimension	m	8.50×2.58×2.88			8.50×2.58×2.88			8.50×2.58×2.88		
	Oil tank	l	530			530			530		
Machine weight	t	25			25			26			

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

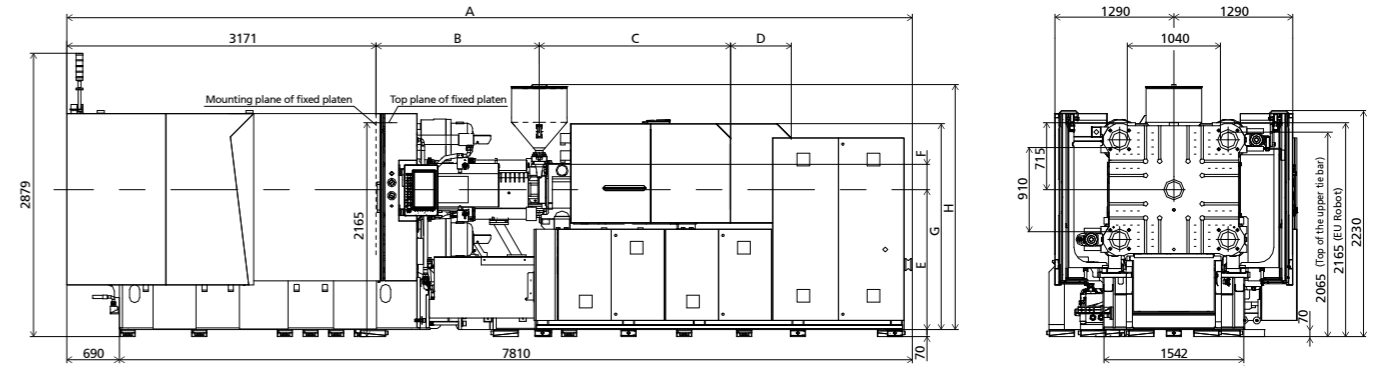
⁴ Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

⁵ Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

⁶ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

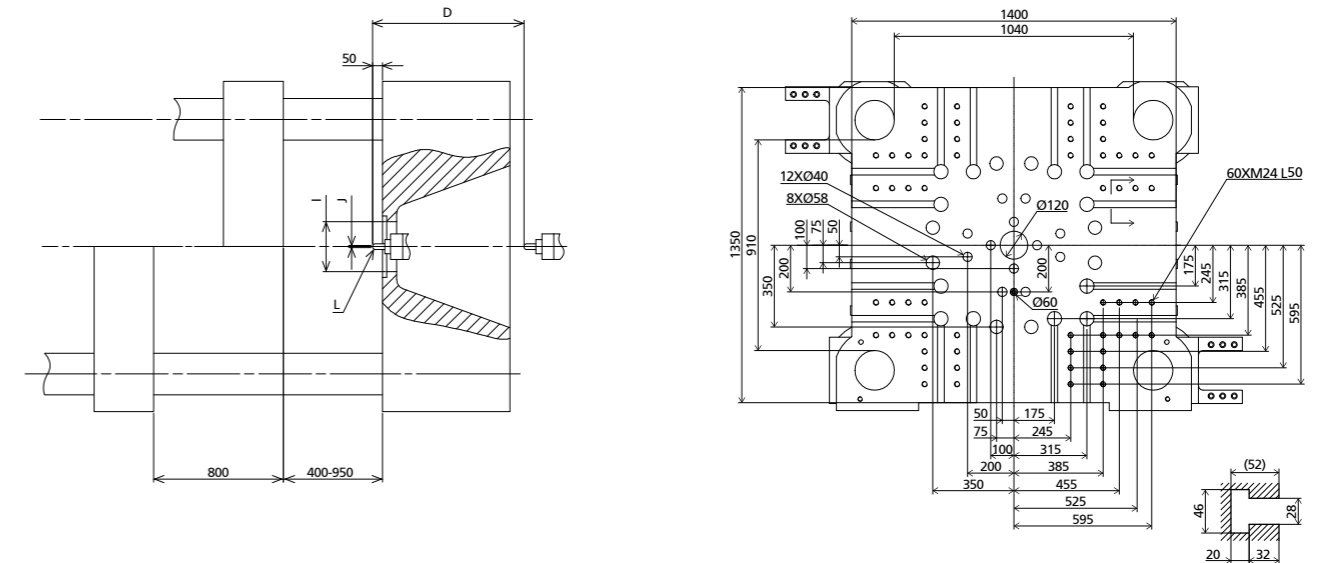
⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

MACHINE DIMENSIONS

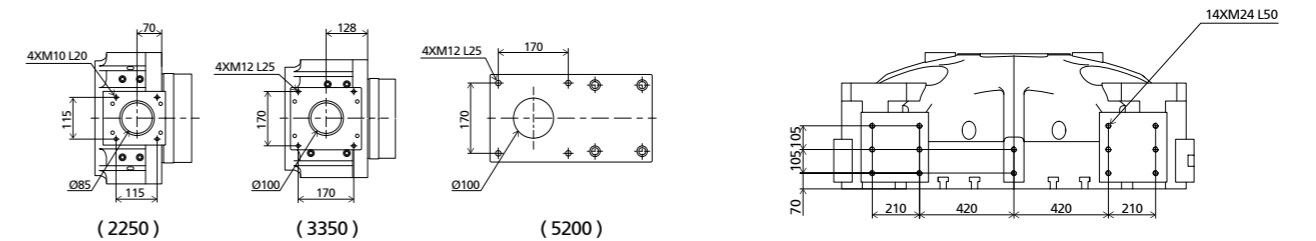


	A	B	C	D	E	F	G	H	I	J	L
2250	8500	1613	1890	660	1380	225	2031	2416	200	∅4	SR15
3350	8500	1821	1948	660	1380	225	2031	2719	200	∅4	SR15
5200	8500	2257	2240	660	1380	220	2183	2714	200	∅4	SR15

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

This parameter table is based on machine standard configuration;

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

TECHNICAL DATA JE7500 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	7500								
	Dist. between tie bars (H×V)	mm	1120×960								
	Mold height max.	mm	950								
	Mold height min.	mm	450								
	Ejector stroke	mm	300								
	Ejector force	kN	195								
	Max. daylight	mm	1850								
	Mold opening stroke ¹	mm	1400/900								
	Max. mold weight ²	t	11								
	Min. mold dimension	mm	785×670								
Size of mold platen (H×V)	mm	1520×1440									
INJECTION UNIT			3350			5200			6700		
			A	B	C	A	B	C	A	B	C
Screw diameter	mm		75	80	90	80	90	100	90	100	110
Screw L/D ratio	L/D		21.3	20	17.8	24.8	22	19.8	24.4	22	20
Injection volume (theoretical) ³	cm ³		1634	1859	2353	2261	2862	3534	2989	3691	4466
Injection weight (PS) ⁴	g		1487	1692	2141	2058	2605	3216	2720	3359	4064
Injection speed	mm/s		130			120			120		
Injection rate (PS)	g/s		501	570	722	527	667	823	667	823	996
Injection pressure ⁵	MPa		205	180	142	227	180	145	222	180	148
	bar		2050	1800	1420	2270	1800	1450	2220	1800	1480
Holding pressure ⁵	MPa		185	162	128	204	162	131	200	162	133
	bar		1850	1620	1280	2040	1620	1310	2000	1620	1330
Screw speed	rpm		220			190			170		
Plasticizing rate (GPPS) ⁶	g/s		70	92	105	85	107	131	103	127	150
Plasticizing rate (HDPE) ⁷	g/s		105	141	165	128	162	200	156	191	228
Nozzle contact force	kN		94.8			94.8			94.8		
Heating power	kW		42.6			54.3			75.6		
Connection power	kW/A		83/139			110/185			131/221		
Hopper capacity	kg		100			100			100		
Machine dimension	m		8.83×2.76×2.88			8.83×2.76×2.88			9.23×2.76×2.88		
Oil tank	l		530			530			630		
Machine weight	t		28			29			29		

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

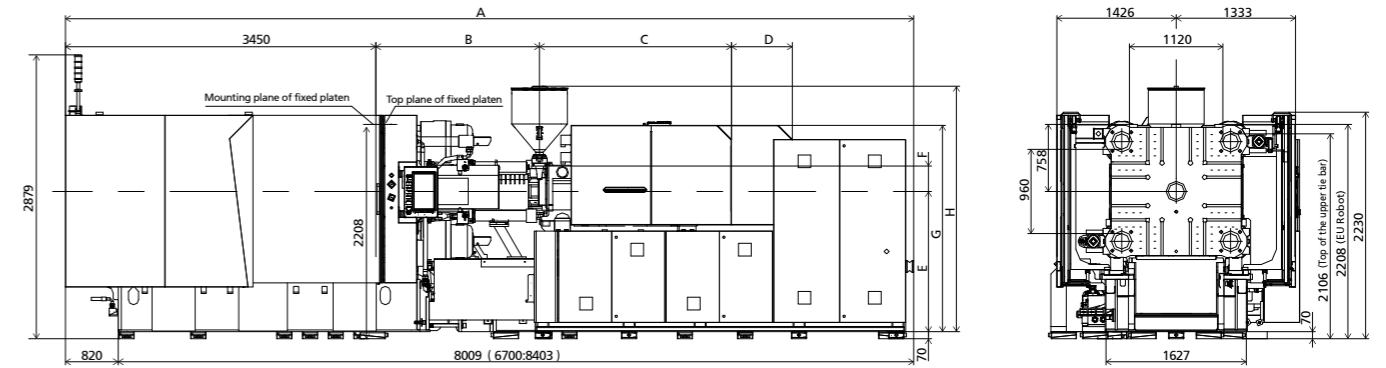
⁴ Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

⁵ Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

⁶ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

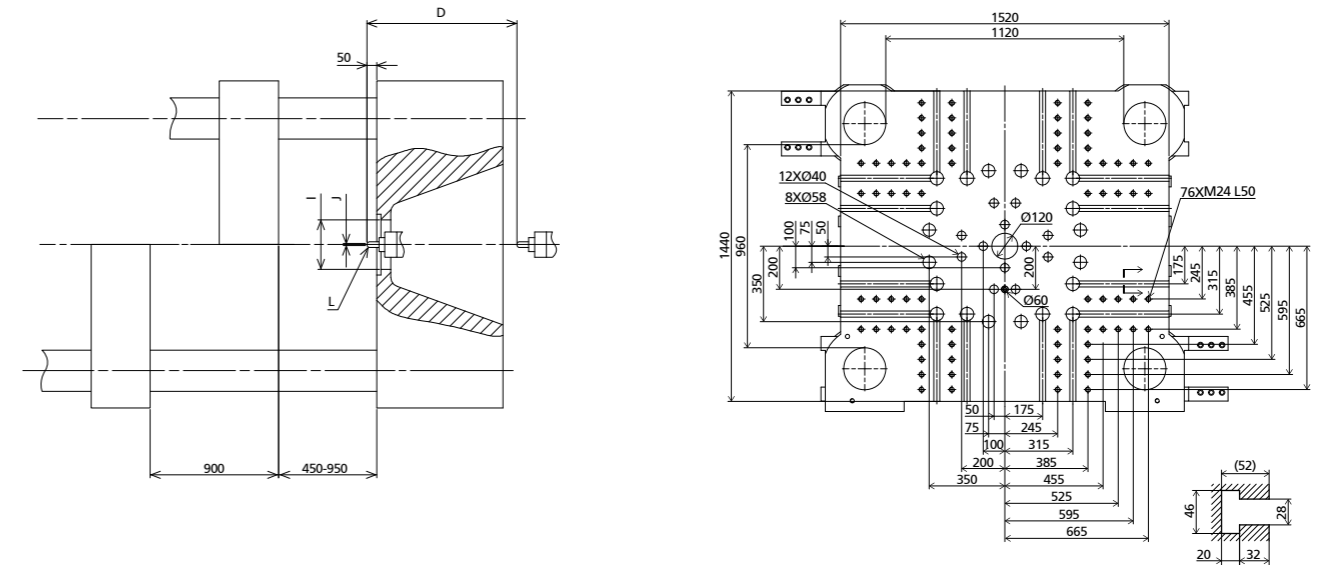
⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

MACHINE DIMENSIONS

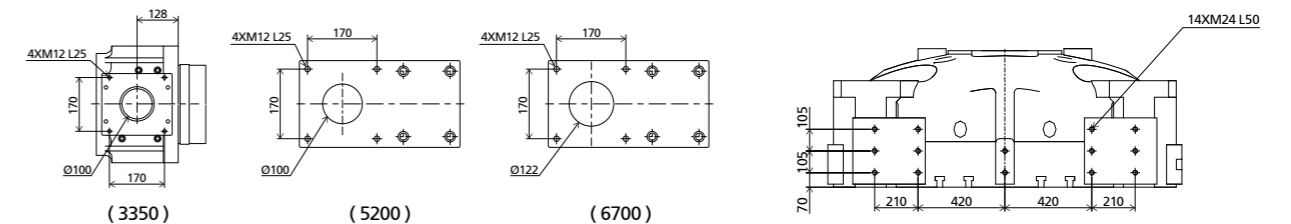


	A	B	C	D	E	F	G	H	I	J	L
3350	8829	1821	1948	760	1380	225	2031	2719	200	Ø4	SR15
5200	8829	2257	2240	760	1380	220	2183	2714	200	Ø4	SR15
6700	9223	2509	2344	760	1380	233	2183	2727	200	Ø6	SR20

PLATEN DIMENSIONS



OTHERS DIMENSIONS



HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

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TECHNICAL DATA JE9000 V

MACHINE DIMENSIONS

CLAMPING UNIT		9000								
Clamping force	kN	9000								
Dist. between tie bars (H×V)	mm	1180×1000								
Mold height max.	mm	1100								
Mold height min.	mm	500								
Ejector stroke	mm	300								
Ejector force	kN	195								
Max. daylight	mm	2100								
Mold opening stroke ¹	mm	1600/1000								
Max. mold weight ²	t	13								
Min. mold dimension	mm	825×700								
Size of mold platen (H×V)	mm	1560×1520								
INJECTION UNIT		3350			5200			6700		
		A	B	C	A	B	C	A	B	C
Screw diameter	mm	75	80	90	80	90	100	90	100	110
Screw L/D ratio	L/D	21.3	20	17.8	24.8	22	19.8	24.4	22	20
Injection volume (theoretical) ³	cm ³	1634	1859	2353	2261	2862	3534	2989	3691	4466
Injection weight (PS) ⁴	g	1487	1692	2141	2058	2605	3216	2720	3359	4064
Injection speed	mm/s	130			120			120		
Injection rate (PS)	g/s	501	570	722	527	667	823	667	823	996
Injection pressure ⁵	MPa	205	180	142	227	180	145	222	180	148
	bar	2050	1800	1420	2270	1800	1450	2220	1800	1480
Holding pressure ⁵	MPa	185	162	128	204	162	131	200	162	133
	bar	1850	1620	1280	2040	1620	1310	2000	1620	1330
Screw speed	rpm	220			190			170		
Plasticizing rate (GPPS) ⁶	g/s	70	92	105	85	107	131	103	127	150
Plasticizing rate (HDPE) ⁷	g/s	105	141	165	128	162	200	156	191	228
Nozzle contact force	kN	94.8			94.8			94.8		
Heating power	kW	42.6			54.3			75.6		
Connection power	kW/A	83/139			110/185			131/221		
Hopper capacity	kg	100			100			100		
Machine dimension	m	9.68×3.19×2.86			9.68×3.19×2.86			9.68×3.19×2.87		
Oil tank	l	630			630			630		
Machine weight	t	34			35			35		

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

⁴ Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

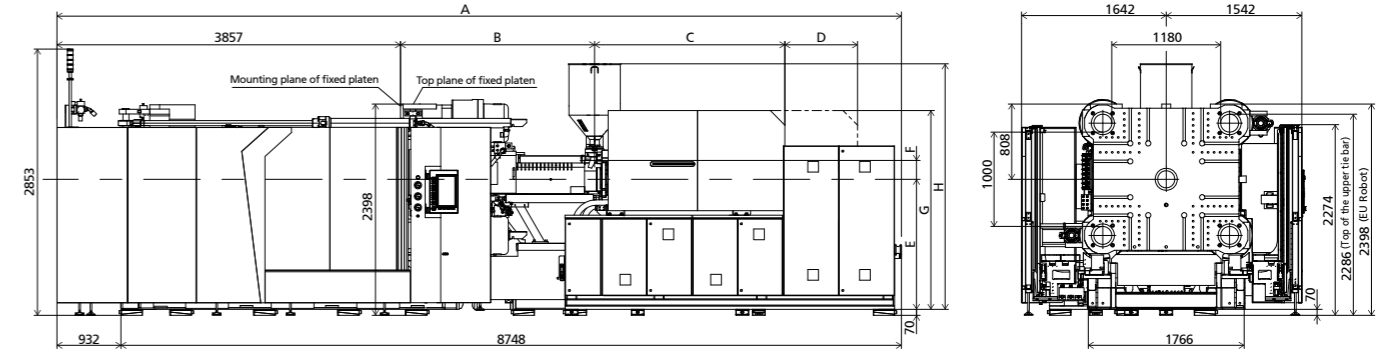
⁵ Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

⁶ Plasticizing capacity (GPPS): GB standard, with application of GPPS plasticizing capacity of 3-zone screws.

⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

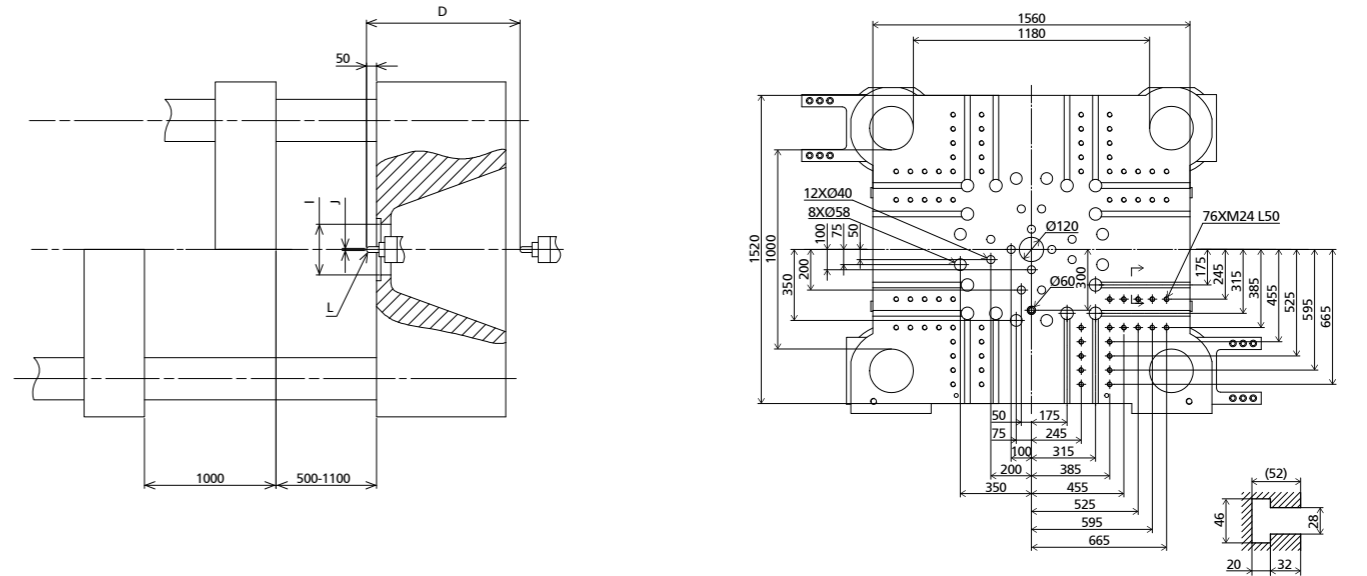
This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

MACHINE DIMENSIONS

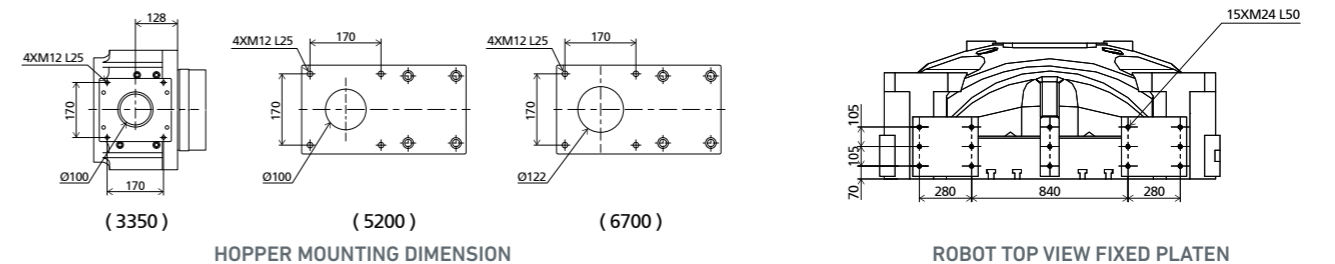


	A	B	C	D	E	F	G	H	I	J	L
3350	9680	1821	1948	850	1520	225	2171	2859	200	Ø4	SR15
5200	9680	2257	2240	850	1520	220	2323	2854	200	Ø4	SR15
6700	9680	2509	2344	850	1520	233	2323	2867	200	Ø6	SR20

PLATEN DIMENSIONS



OTHERS DIMENSIONS



TECHNICAL DATA JE10800 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	10800								
	Dist. between tie bars (H×V)	mm	1270×1100								
	Mold height max.	mm	1200								
	Mold height min.	mm	500								
	Ejector stroke	mm	350								
	Ejector force	kN	230								
	Max. daylight	mm	2400								
	Mold opening stroke ¹	mm	1900/1200								
	Max. mold weight ²	t	16								
	Min. mold dimension	mm	890×770								
Size of mold platen (H×V)	mm	1700×1660									
INJECTION UNIT	INJECTION UNIT		5200			6700			8700		
			A	B	C	A	B	C	A	B	C
	Screw diameter	mm	80	90	100	90	100	110	100	110	120
	Screw L/D ratio	L/D	24.8	22	19.8	24.4	22	20	24.2	22	20.2
	Injection volume (theoretical) ³	cm ³	2261	2862	3534	2989	3691	4466	4005	4846	5767
	Injection weight (PS) ⁴	g	2058	2605	3216	2720	3359	4064	3644	4410	5248
	Injection speed	mm/s	120			120			120		
	Injection rate (PS)	g/s	527	667	823	667	823	996	823	996	1186
	Injection pressure ⁵	MPa	227	180	145	222	180	148	217	180	151
		bar	2270	1800	1450	2220	1800	1480	2170	1800	1510
	Holding pressure ⁵	MPa	204	162	131	200	162	133	195	162	136
		bar	2040	1620	1310	2000	1620	1330	1950	1620	1360
	Screw speed	rpm	190			170			155		
	Plasticizing rate (GPPS) ⁶	g/s	85	107	131	103	127	150	121	145	168
	Plasticizing rate (HDPE) ⁷	g/s	128	162	200	156	191	228	181	217	247
	Nozzle contact force	kN	94.8			94.8			94.8		
Heating power	kW	54.3			75.6			82.8			
OTHERS	Connection power	kW/A	110/185			131/221			139/234		
	Hopper capacity	kg	100			100			200		
	Machine dimension	m	9.87×3.28×2.86			9.87×3.28×2.87			10.26×3.28×3.20		
	Oil tank	l	630			630			630		
Machine weight	t	41			41			45			

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

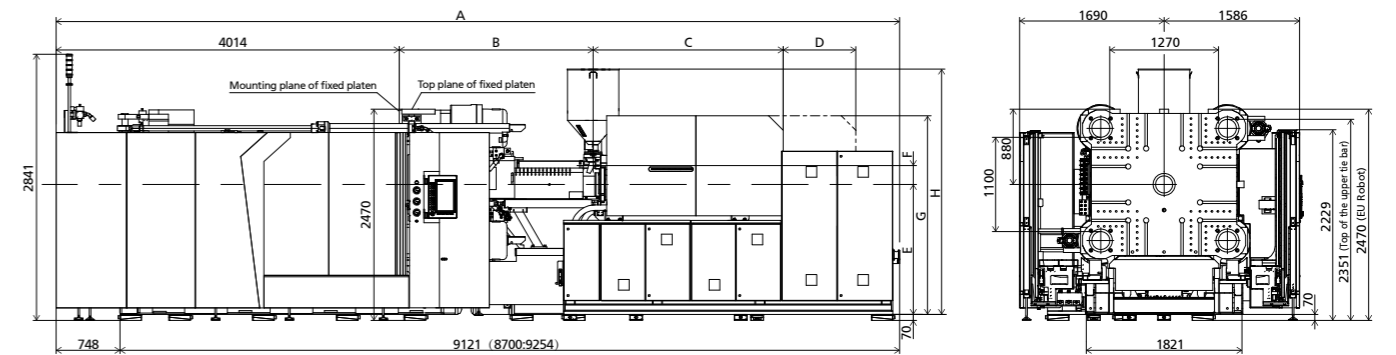
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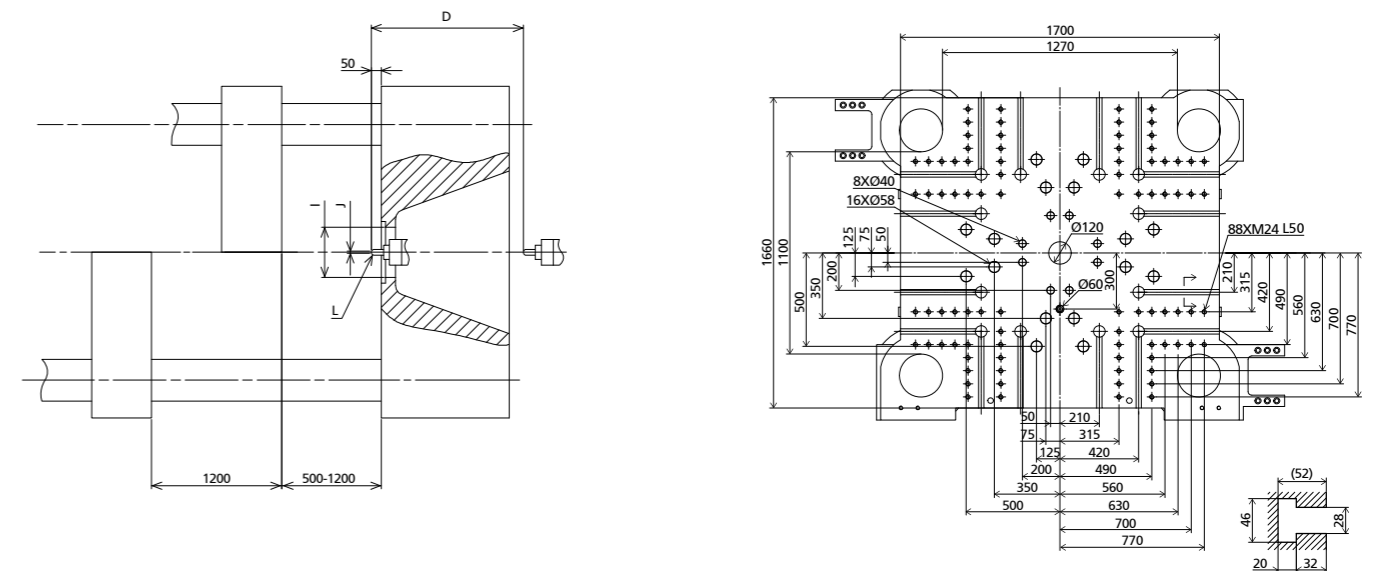
⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

MACHINE DIMENSIONS

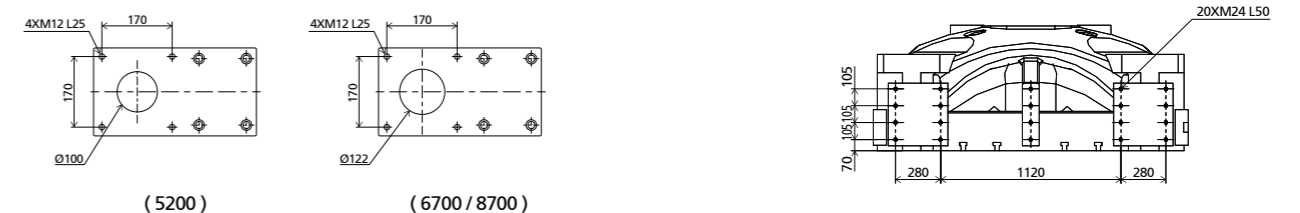


	A	B	C	D	E	F	G	H	I	J	L
5200	9869	2257	2240	850	1520	220	2323	2854	200	Ø4	SR15
6700	9869	2509	2344	850	1520	233	2323	2867	200	Ø6	SR20
8700	10002	2732	2661	850	1520	233	2409	3198	200	Ø6	SR20

PLATEN DIMENSIONS



OTHERS DIMENSIONS



(5200)

(6700 / 8700)

HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

This parameter table is based on machine standard configuration;
We reserve the right to make changes as a result of further technical advances.

TECHNICAL DATA JE12000 V

MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	12000								
	Dist. between tie bars (H×V)	mm	1310×1200								
	Mold height max.	mm	1250								
	Mold height min.	mm	600								
	Ejector stroke	mm	350								
	Ejector force	kN	230								
	Max. daylight	mm	2650								
	Mold opening stroke ¹	mm	2050/1400								
	Max. mold weight ²	t	20								
	Min. mold dimension	mm	915×840								
Size of mold platen (H×V)	mm	1860×1760									
INJECTION UNIT			5200			6700			8700		
		A	B	C	A	B	C	A	B	C	
Screw diameter	mm	80	90	100	90	100	110	100	110	120	
Screw L/D ratio	L/D	24.8	22	19.8	24.4	22	20	24.2	22	20.2	
Injection volume (theoretical) ³	cm ³	2261	2862	3534	2989	3691	4466	4005	4846	5767	
Injection weight (PS) ⁴	g	2058	2605	3216	2720	3359	4064	3644	4410	5248	
Injection speed	mm/s	120			120			120			
Injection rate (PS)	g/s	527	667	823	667	823	996	823	996	1186	
Injection pressure ⁵	MPa	227	180	145	222	180	148	217	180	151	
	bar	2270	1800	1450	2220	1800	1480	2170	1800	1510	
Holding pressure ⁵	MPa	204	162	131	200	162	133	195	162	136	
	bar	2040	1620	1310	2000	1620	1330	1950	1620	1360	
Screw speed	rpm	190			170			155			
Plasticizing rate (GPPS) ⁶	g/s	85	107	131	103	127	150	121	145	168	
Plasticizing rate (HDPE) ⁷	g/s	128	162	200	156	191	228	181	217	247	
Nozzle contact force	kN	94.8			94.8			94.8			
Heating power	kW	54.3			75.6			82.8			
Connection power	kW/A	110/185			131/221			139/234			
	Hopper capacity	kg	100			100			200		
Machine dimension	m	10.41×3.34×2.92			10.41×3.34×2.93			10.56×3.34×3.26			
Oil tank	l	800			800			800			
Machine weight	t	46			46			51			

NOTE: ¹ with min. mold height / with max. mold height.

² moving platen: 2/3 of max. mold weight.

³ Shot volume is the theoretical calculation value which equals to cross section area of screw cylinder or barrel plunger × screw stroke.

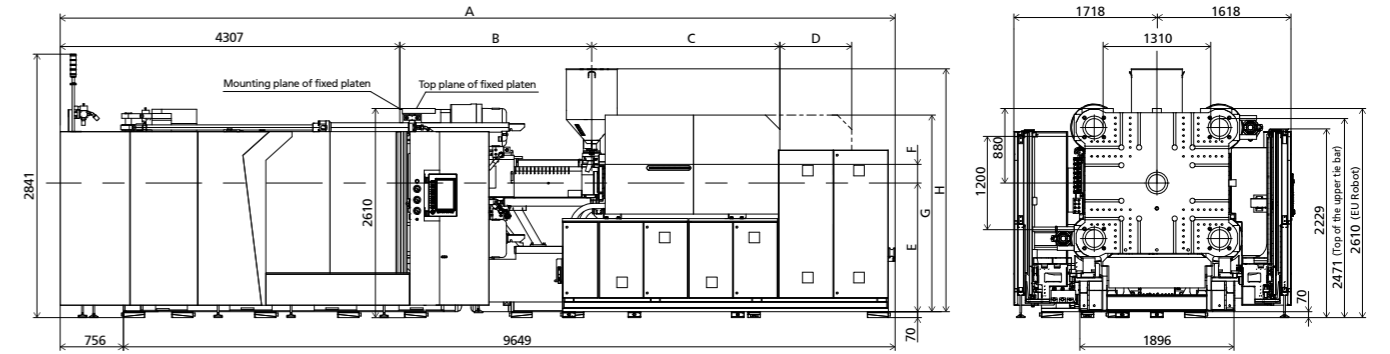
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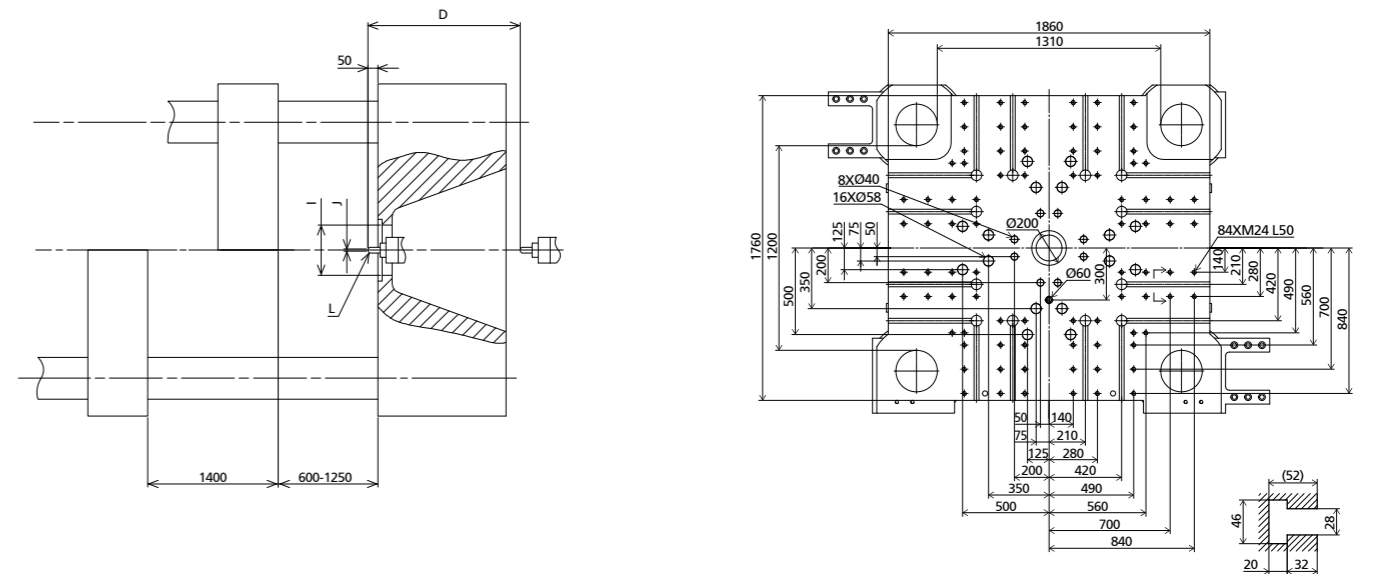
⁷ Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

MACHINE DIMENSIONS



	A	B	C	D	E	F	G	H	I	J	L
5200	10405	2257	2240	850	1580	220	2383	2914	200	Ø4	SR15
6700	10405	2509	2344	850	1580	233	2383	2927	200	Ø6	SR20
8700	10405	2732	2661	850	1580	233	2469	3258	200	Ø6	SR20

PLATEN DIMENSIONS



OTHERS DIMENSIONS



(5200)

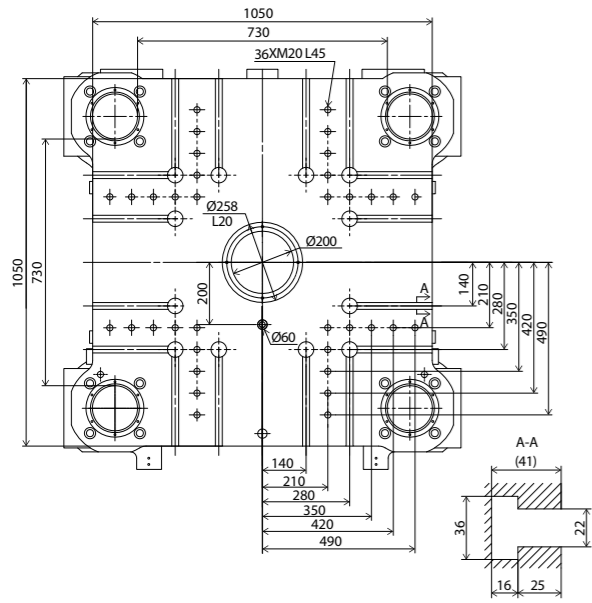
(6700 / 8700)

HOPPER MOUNTING DIMENSION

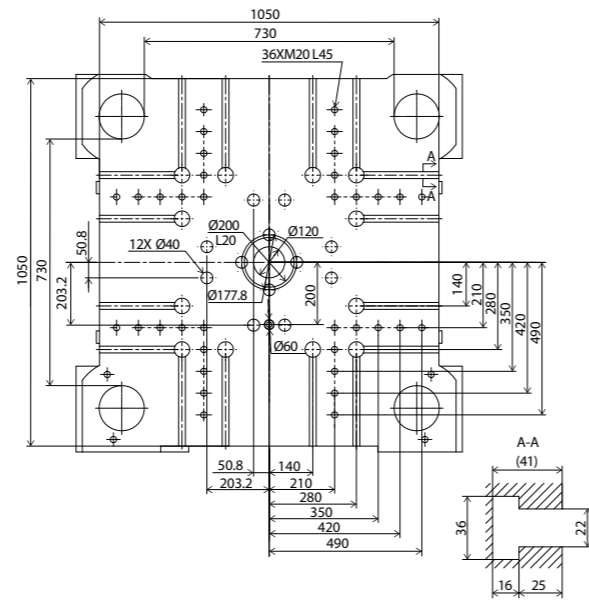
ROBOT TOP VIEW FIXED PLATEN

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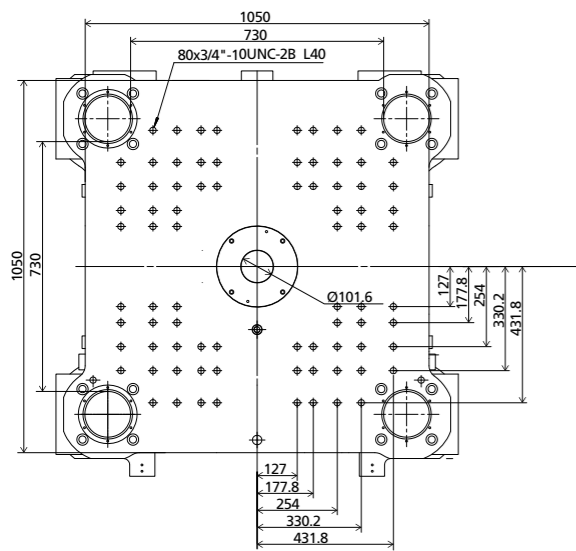
EUROPEAN VERSION
FIXED PLATEN



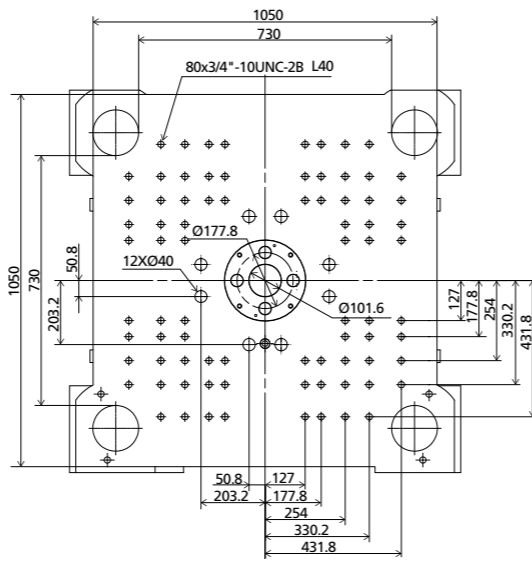
MOVABLE PLATEN



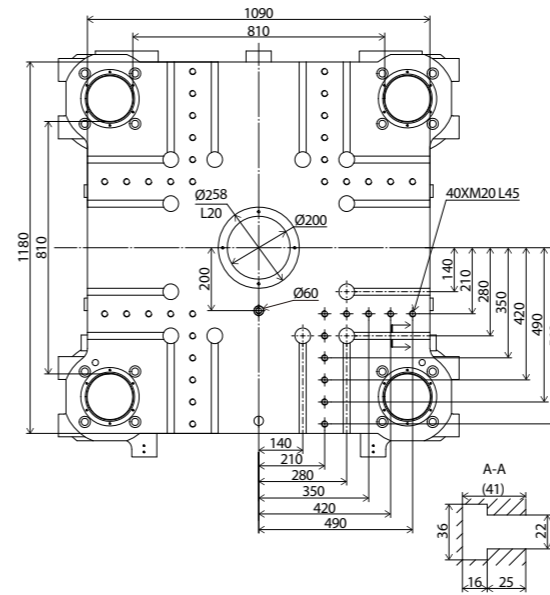
AMERICAN VERSION
FIXED PLATEN



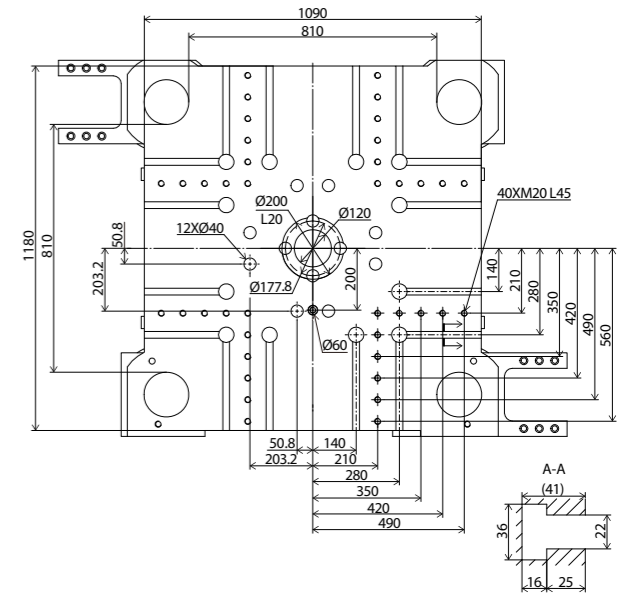
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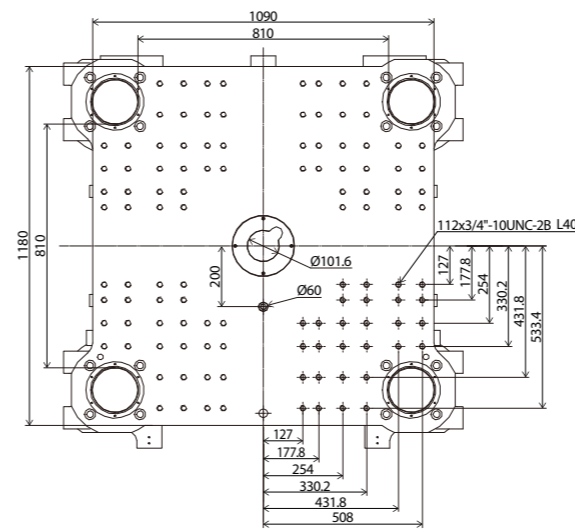
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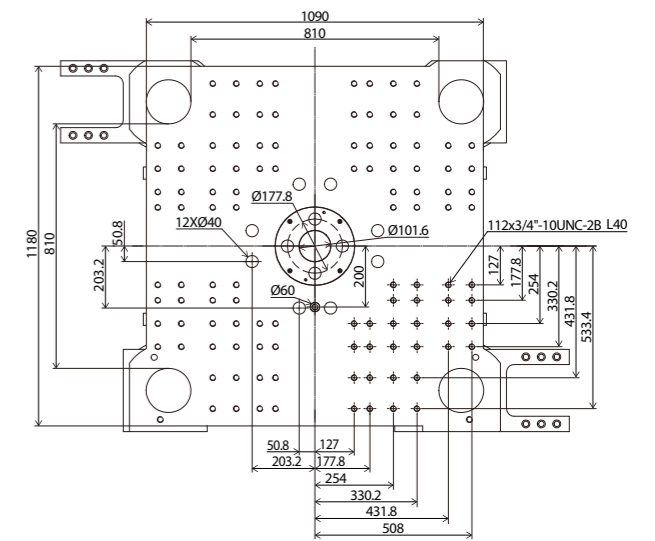
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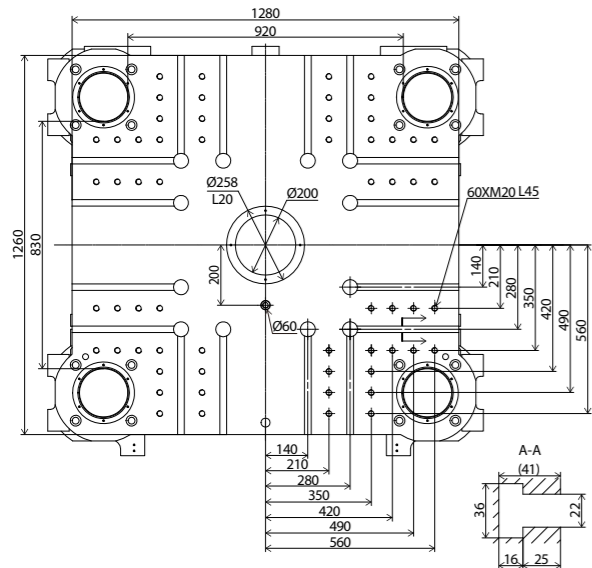
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FIXED PLATEN



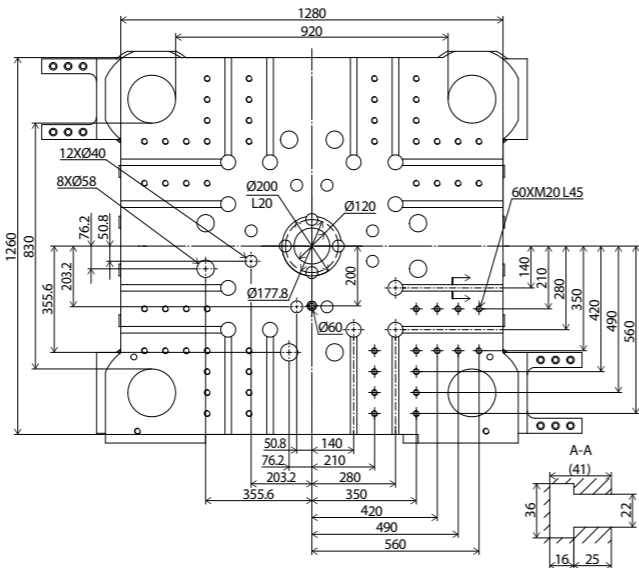
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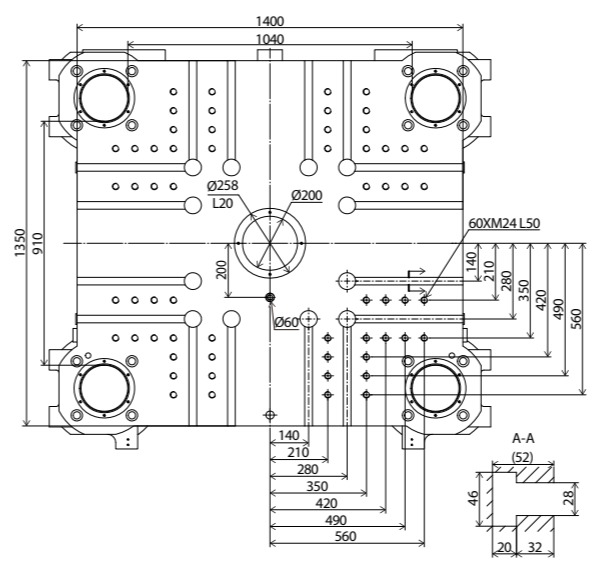
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FIXED PLATEN



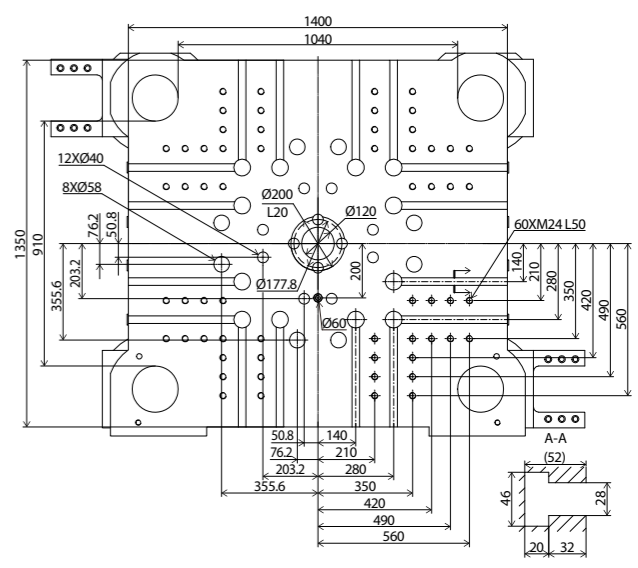
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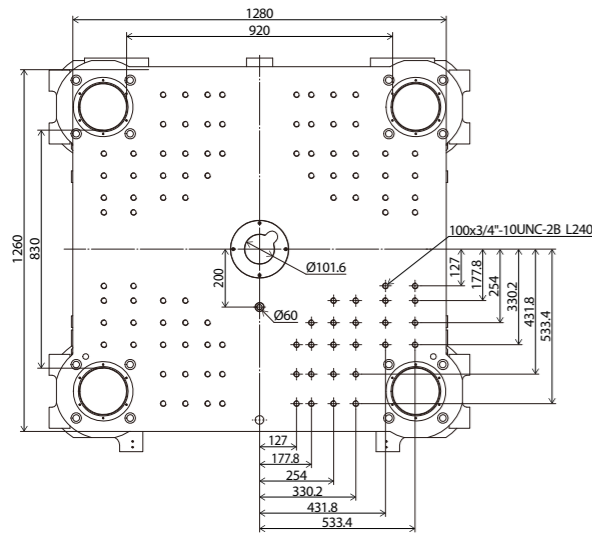
EUROPEAN VERSION
FIXED PLATEN



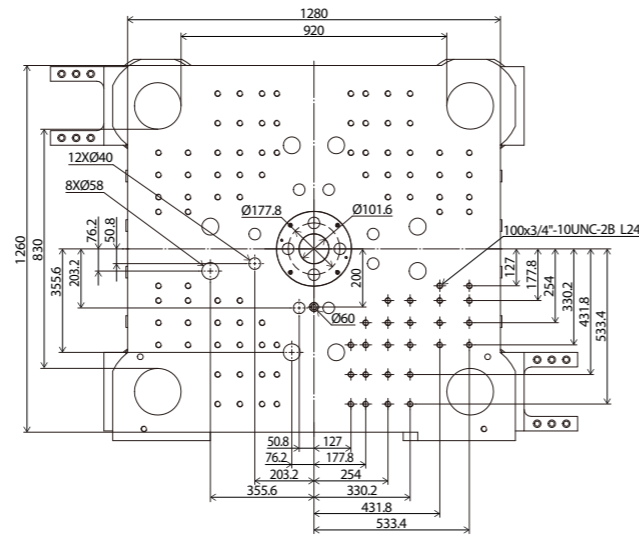
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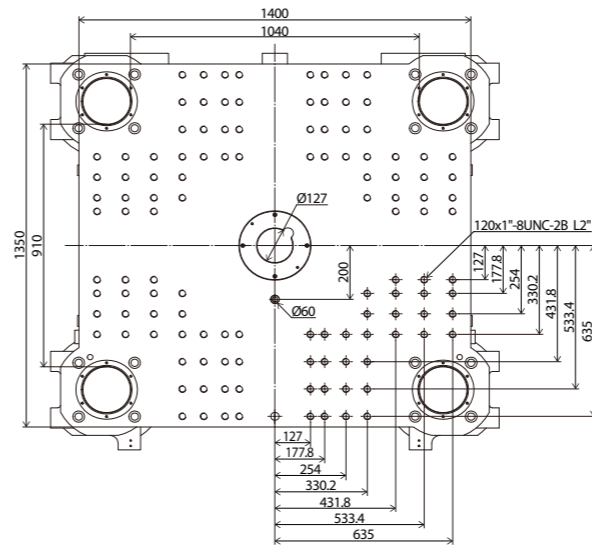
AMERICAN VERSION
FIXED PLATEN



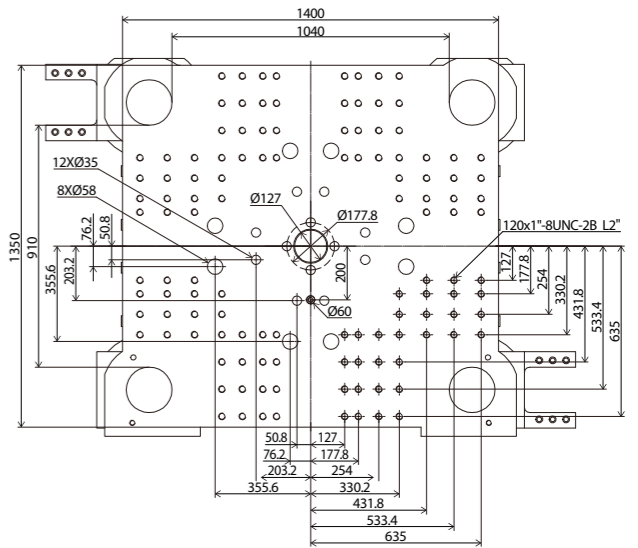
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AMERICAN VERSION
FIXED PLATEN



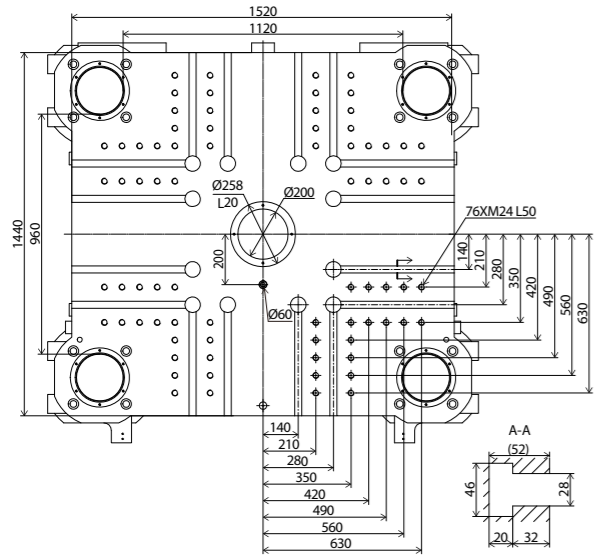
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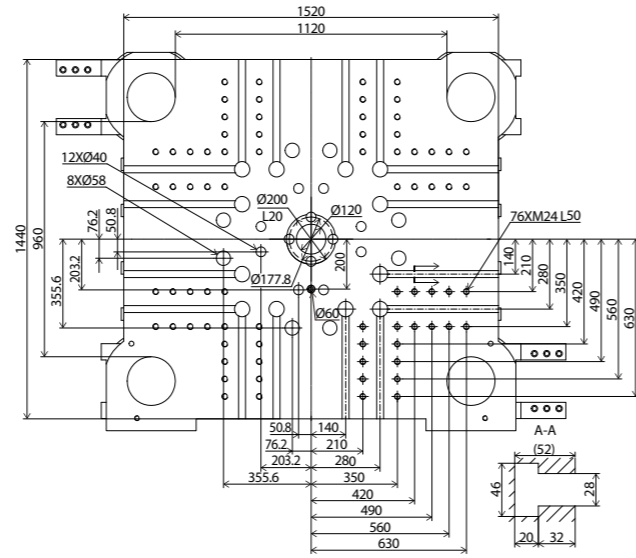
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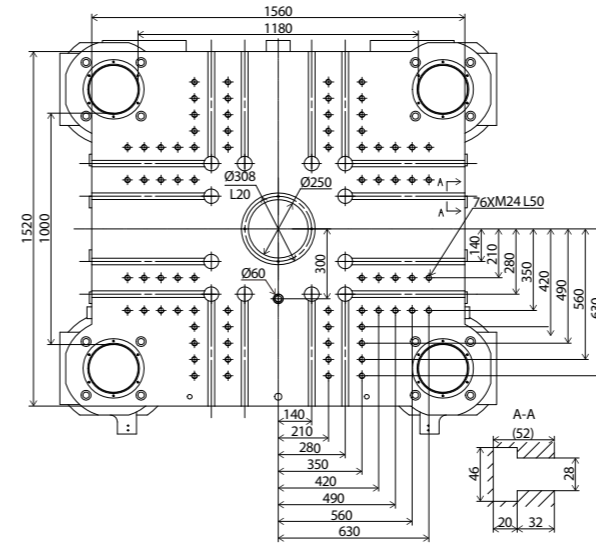
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FIXED PLATEN



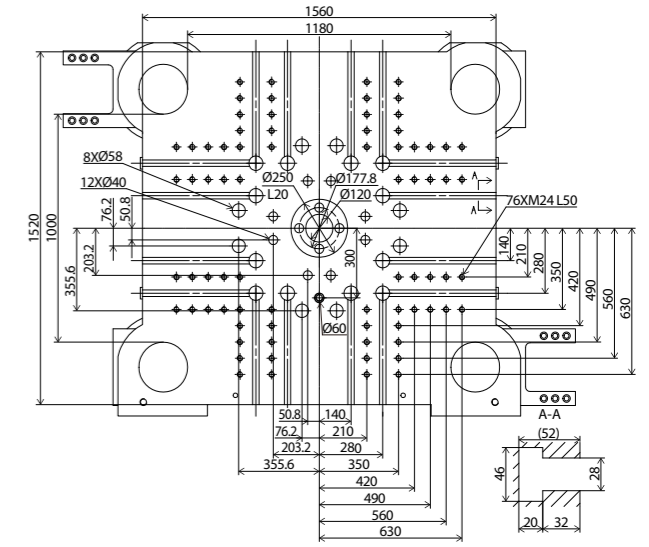
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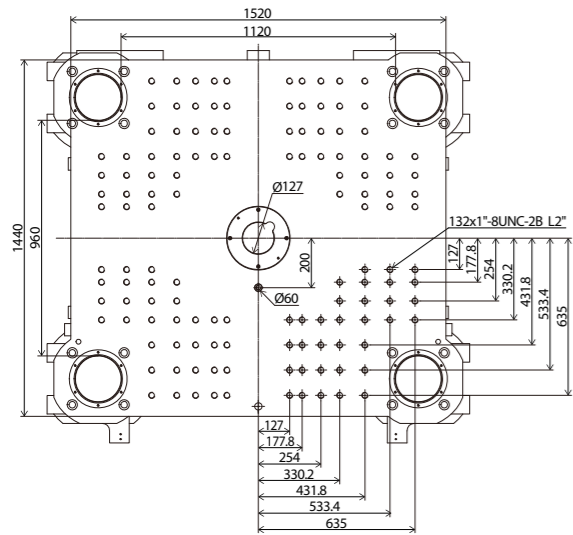
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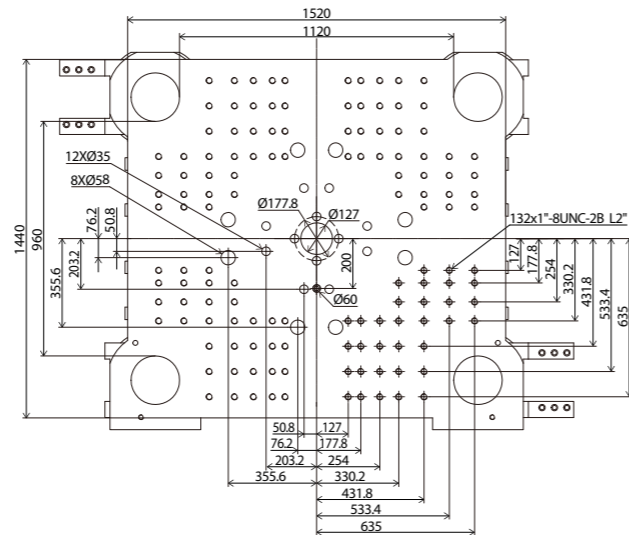
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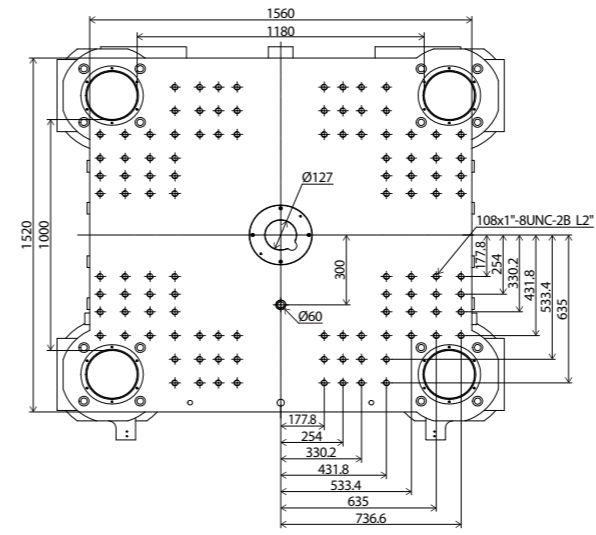
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FIXED PLATEN



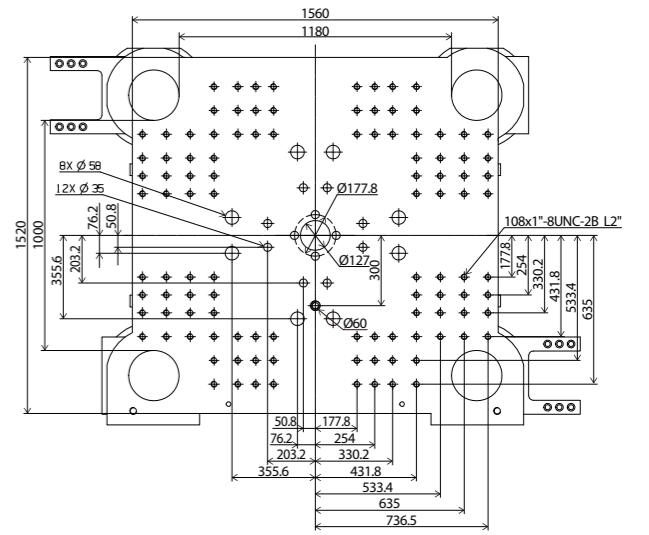
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AMERICAN VERSION
FIXED PLATEN

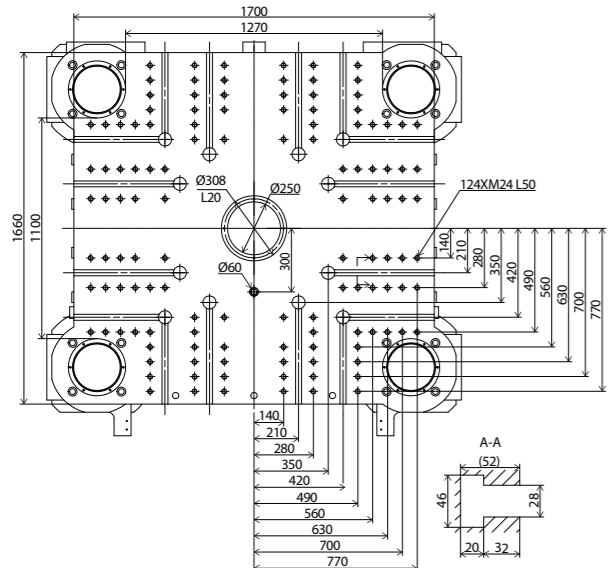


MOVABLE PLATEN

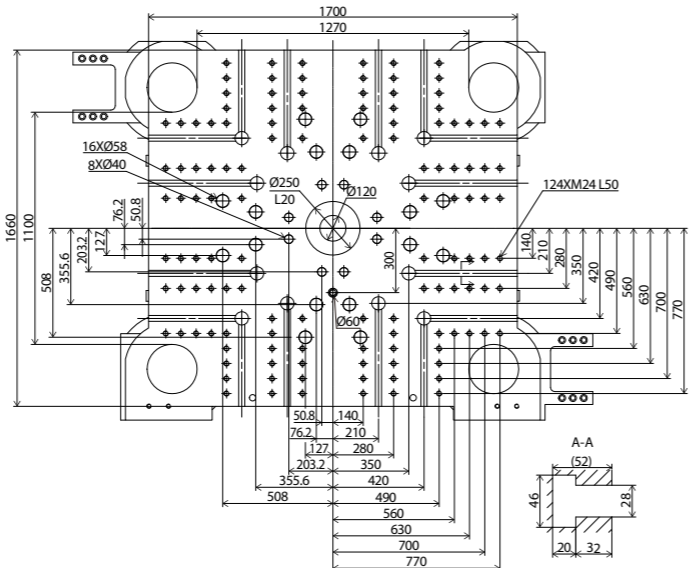


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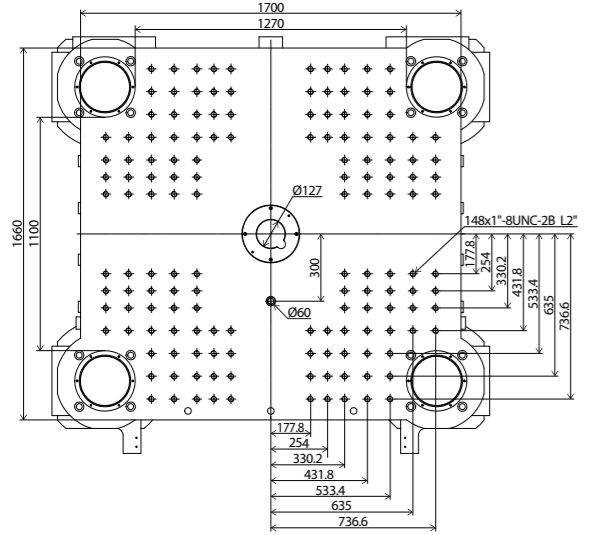
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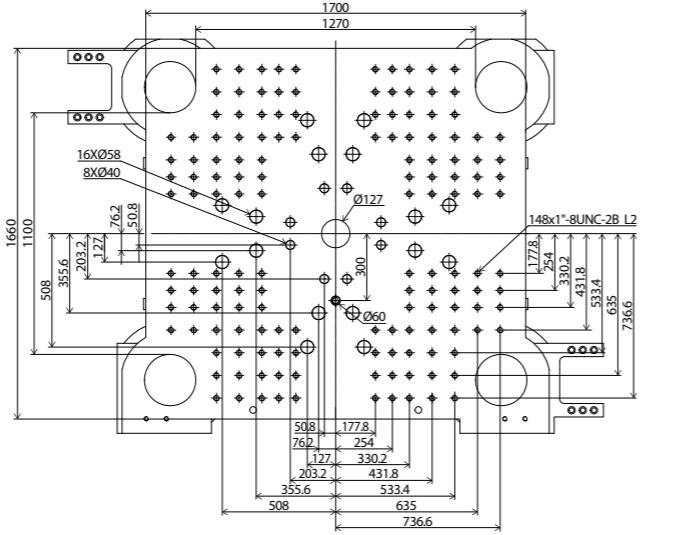
MOVABLE PLATEN



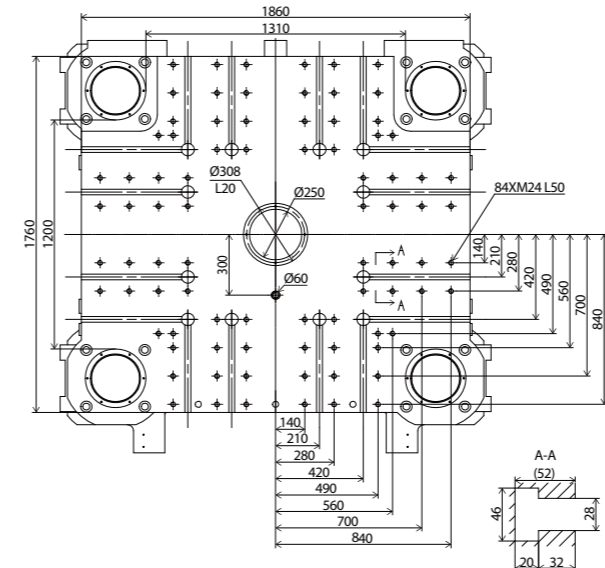
AMERICAN VERSION
FIXED PLATEN



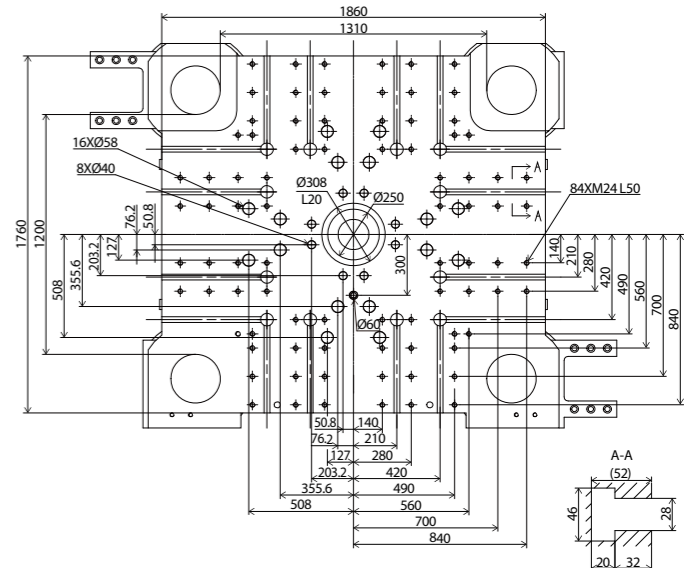
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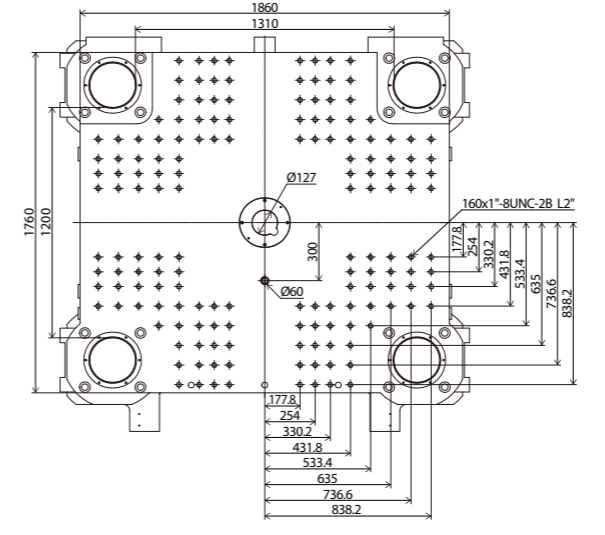
EUROPEAN VERSION
FIXED PLATEN



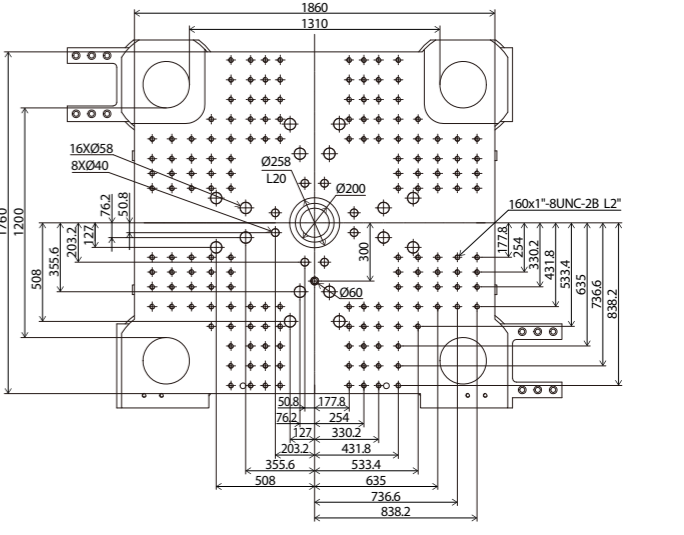
MOVABLE PLATEN



AMERICAN VERSION
FIXED PLATEN



MOVABLE PLATEN



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STANDARD EQUIPMENT LIST

INJECTION UNIT

- » Injection, dosing driven independently by servo motor, optical encoder position detection
- » Abrasion-resistant screw set, general version
- » Open nozzle
- » Barrel heating temperature PID control, SSR
- » Extended nozzle, temperature PID control independently
- » Feeding zone temperature closed-loop control
- » Injection speed 6 steps
- » Speed responding mode adjustable
- » Holding pressure 4 steps
- » Pressure responding mode adjustable
- » V/P switch over methods by position/ time/ pressure combinations
- » Dosing rotation speed 3 steps
- » Back pressure 3 steps
- » HPM over-filling protection function
- » Screw retraction before and/or after dosing
- » Auto purge
- » Injection curve monitoring function, memory function

CLAMPING UNIT

- » Two-platen clamping unit
- » High-rigid movable platen support device
- » High rigidity and high strength Haitian patented platen
- » Synchronous clamping mechanism
- » Haitian standard T-slot + threaded hole platen
- » Robot with threaded hole interface (Euromap 18)
- » Mold opening and ejection system independent/linked switching function
- » Automatic mold height adjustment function
- » Clamping oil pressure sensor detection function

- » Multi-level proportional control of clamping force
- » Clamping force pressure safety limiting function
- » Mold breaking pressure safety limiting function
- » Turn off the motor and maintain low clamping force in mold adjustment mode
- » Automatic pressure relief function of clamping force when shutting down in manual or automatic mode
- » Spring mold function
- » Safety pedal in mold area
- » Differential rapid mold opening function
- » Low clamping force mold protection function
- » Two unit conversions for clamping force (TON and Bar)
- » Automatic air venting function of clamping cylinder

HYDRAULIC UNIT

- » Servo energy-saving hydraulic system
- » Mold open/close proportional and directional control (Rexroth)
- » Oil temperature preheating
- » Oil temperature control water valve
- » High performance cooler
- » Oil temperature independent cooling system control
- » Bypass fine independent filtration system
- » Detachable oil suction and filtering device
- » Bypass pressure relief function (early pressure relief)
- » Core position signal 16-pin industrial socket

CONTROL SYSTEM

- » Sigmatek controller with color touchscreen display
- » Multi-language switching (Chinese, German, English, Japanese, etc.)
- » High-precision digital displacement sensors for mold open-close and mold adjustment

- » Parameter data protection function
- » Solid state relay temperature control device
- » Oil temperature and oil quantity monitoring and alarm function
- » 2 USB interface
- » Automatic fault diagnosis
- » Oil filter device clogging alarm
- » Electric heating coil leaks and quickly melts the core
- » Automatically shut down the motor when no action occurs
- » Save mold parameters (maximum 200 items)
- » Alarm recording
- » Operation modification record
- » Equipped with Ethernet interface
- » Mold ejector protection interface
- » Digital communication loop intelligent diagnosis and help functions
- » Smart consumption management function
- » Production assistant device function
- » Maintenance alert
- » 3 color alarm lamp (red/yellow/green)
- » Authorize OPC UA function
- » EU67 robot electric interface

OTHER

- » Rotatable button box
- » Electric front mobile safety door (9000kN and above)
- » Tie bar and moving door step (crocodile mouth anti-skid plate, 9000kN and above)
- » External operating platform on the operating side (crocodile mouth antiskid plate, 21000kN and above)
- » 3 sets of spare sockets (1 set 32A, 2 sets 16A)

OPENTION

- » Independent core power
- » Hydraulic (pneumatic) nozzle
- » Mold hot runner control
- » Function of multiple-set cores
- » More groups of external sockets
- » Valve gate (pneumatic/hydraulic)
- » EU77, EU73, EU78 and other interfaces
- » EU70, EU70.1 magnetic mold platen interface
- » Tie bar extraction function
- » Automatic mold changing trolley
- » Automatic plugging and unplugging system
- » Hydraulic clamp
- » Safety pedal hydraulic lifting type
- » Feeding platform (5200 injection unit and above models)
- » Machine-side automation equipment
- » Low pressure injection molding
- » Micro Opening function
- » Micro foaming process