

TECHNOLOGY TO THE POINT



SMART  
TECHNOLOGY



FLEXIBLE  
INTEGRATION



SUSTAINABLE  
SOLUTIONS

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# JENIUS SERIES

## TECHNICAL SPECIFICATION

### 13,000 – 33,000 kN



# TECHNICAL DATA JE13000 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	13000								
	Dist. between tie bars (H×V)	mm	1420×1170								
	Mold height max.	mm	1350								
	Mold height min.	mm	600								
	Ejector stroke	mm	350								
	Ejector force	kN	230								
	Max. daylight	mm	2850								
	Mold opening stroke <sup>1</sup>	mm	2250/1500								
	Max. mold weight <sup>2</sup>	t	23								
Min. mold dimension	mm	990×820									
Size of mold platen (H×V)	mm	2000×1770									
INJECTION UNIT			6700			8700			10500		
			A	B	C	A	B	C	A	B	C
Screw diameter	mm		90	100	110	100	110	120	110	120	130
Screw L/D ratio	L/D		24.4	22	20	24.2	22	20.2	26.2	24	22.2
Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>		2989	3691	4466	4005	4846	5767	5226	6220	7300
Injection weight (PS) <sup>4</sup>	g		2720	3359	4064	3644	4410	5248	4756	5660	6643
Injection speed	mm/s		120			120			110		
Injection rate (PS)	g/s		667	823	996	823	996	1186	913	1086	1275
Injection pressure <sup>5</sup>	MPa		222	180	148	217	180	151	202	170	145
	bar		2220	1800	1480	2170	1800	1510	2020	1700	1450
Holding pressure <sup>5</sup>	MPa		200	162	133	195	162	136	181	153	130
	bar		2000	1620	1330	1950	1620	1360	1810	1530	1300
Screw speed	rpm		170			155			140		
Plasticizing rate (GPPS) <sup>6</sup>	g/s		103	127	150	121	145	168	163	189	218
Plasticizing rate (HDPE) <sup>7</sup>	g/s		156	191	228	181	217	247	250	290	320
Nozzle contact force	kN		94.8			94.8			136.1		
Heating power	kW		75.6			82.8			104		
Connection power	kW/A		131/221			139/234			163/273		
Hopper capacity	kg		100			200			200		
Machine dimension	m		10.72×3.45×3.03			10.99×3.45×3.36			11.62×3.45×3.43		
Oil tank	l		800			800			800		
Machine weight	t		51			56			57		

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

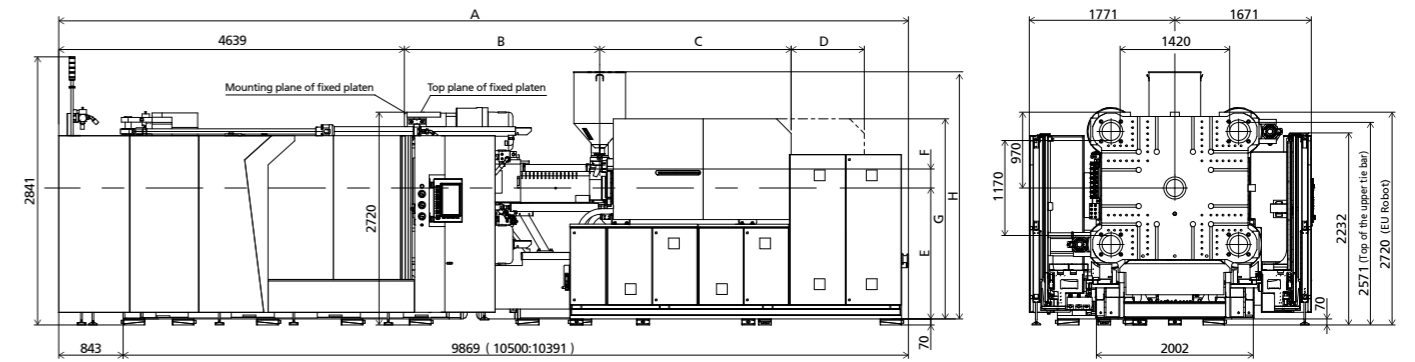
<sup>4</sup> Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

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

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

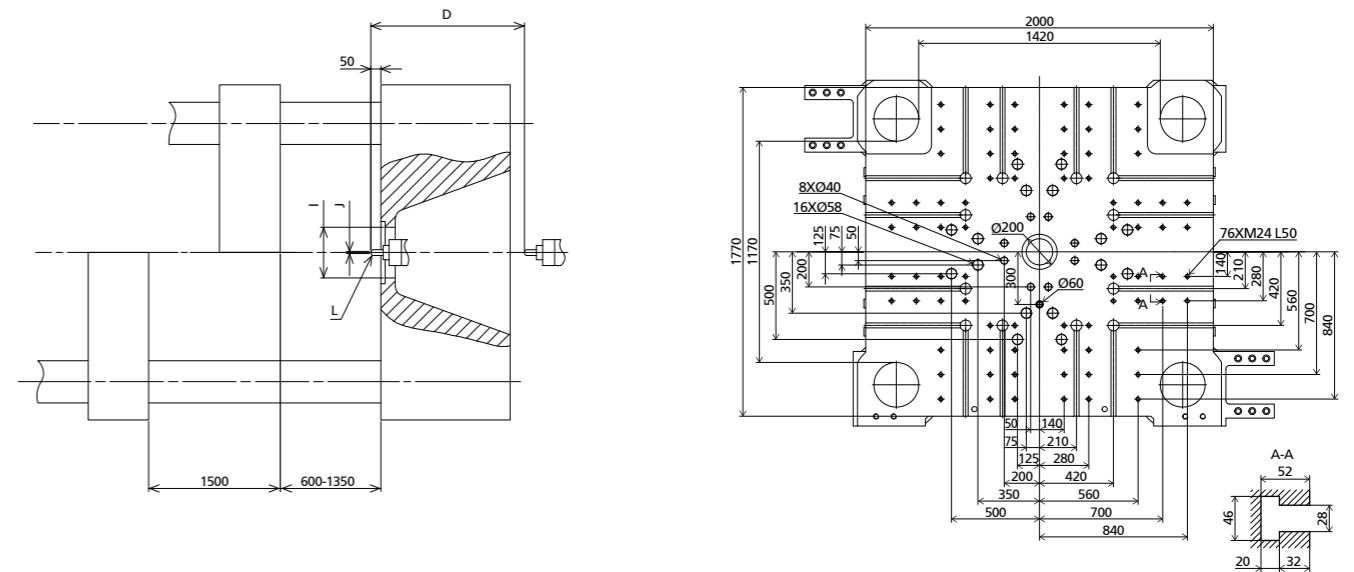
<sup>7</sup> Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

## MACHINE DIMENSIONS



	A	B	C	D	E	F	G	H	I	J	L
6700	10712	2509	2344	950	1680	233	2483	3027	200	Ø6	SR20
8700	10712	2732	2661	950	1680	233	2569	3358	200	Ø6	SR20
10500	11234	3189	2838	950	1680	300	2569	3425	200	Ø6	SR20

## PLATEN DIMENSIONS



## OTHERS DIMENSIONS



(6700 / 8700)

(10500)

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 JE14000 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	14000								
	Dist. between tie bars (H×V)	mm	1470×1360								
	Mold height max.	mm	1450								
	Mold height min.	mm	700								
	Ejector stroke	mm	400								
	Ejector force	kN	330								
	Max. daylight	mm	3050								
	Mold opening stroke <sup>1</sup>	mm	2350/1600								
	Max. mold weight <sup>2</sup>	t	27								
Min. mold dimension	mm	1030×950									
Size of mold platen (H×V)	mm	2072×1972									
INJECTION UNIT			6700			8700			10500		
			A	B	C	A	B	C	A	B	C
Screw diameter	mm	90	100	110	100	110	120	110	120	130	
Screw L/D ratio	L/D	24.4	22	20	24.2	22	20.2	26.2	24	22.2	
Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>	2989	3691	4466	4005	4846	5767	5226	6220	7300	
Injection weight (PS) <sup>4</sup>	g	2720	3359	4064	3644	4410	5248	4756	5660	6643	
Injection speed	mm/s		120			120			110		
Injection rate (PS)	g/s	667	823	996	823	996	1186	913	1086	1275	
Injection pressure <sup>5</sup>	MPa	222	180	148	217	180	151	202	170	145	
	bar	2220	1800	1480	2170	1800	1510	2020	1700	1450	
Holding pressure <sup>5</sup>	MPa	200	162	133	195	162	136	181	153	130	
	bar	2000	1620	1330	1950	1620	1360	1810	1530	1300	
Screw speed	rpm		170			155			140		
Plasticizing rate (GPPS) <sup>6</sup>	g/s	103	127	150	121	145	168	163	189	218	
Plasticizing rate (HDPE) <sup>7</sup>	g/s	156	191	228	181	217	247	250	290	320	
Nozzle contact force	kN		94.8			94.8			136.1		
Heating power	kW		75.6			82.8			104		
Connection power	kW/A		131/221			139/234			163/273		
	kg		100			200			200		
Hopper capacity	kg		100			200			200		
Machine dimension	m		11.08×3.52×3.11			11.30×3.52×3.44			11.93×3.52×3.51		
Oil tank	l		800			800			800		
Machine weight	t		57			61			62		

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

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

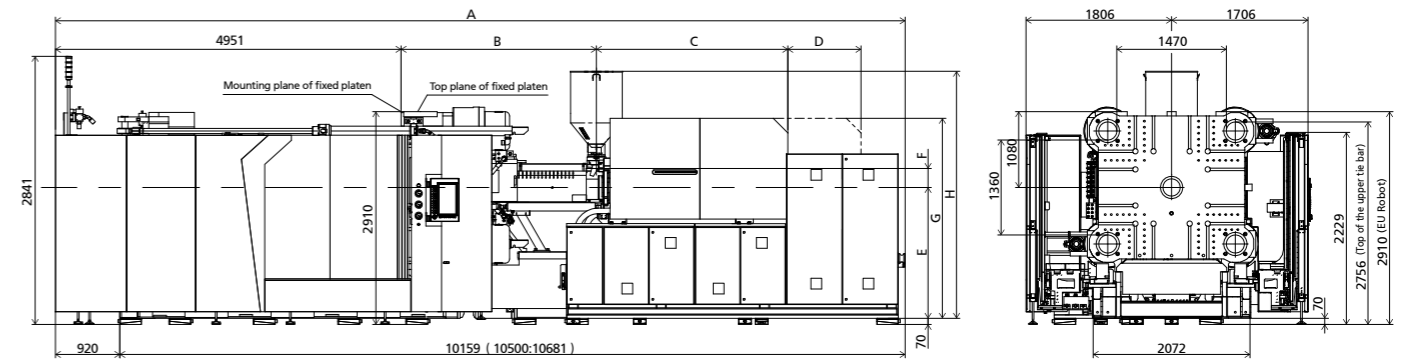
<sup>5</sup> Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

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

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

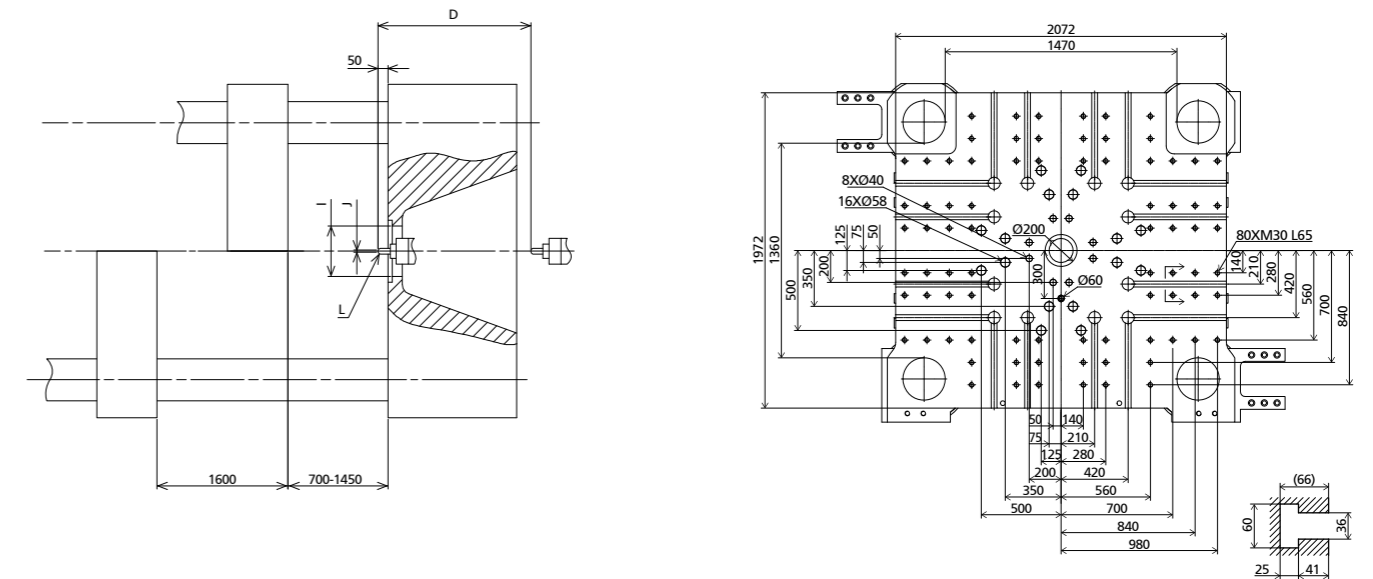
This parameter table is based on machine standard configuration;  
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## MACHINE DIMENSIONS



	A	B	C	D	E	F	G	H	I	J	L
6700	11079	2509	2344	950	1760	233	2563	3107	200	Ø6	SR20
8700	11079	2732	2661	950	1760	233	2649	3438	200	Ø6	SR20
10500	11601	3189	2838	950	1760	300	2649	3505	200	Ø6	SR20

## PLATEN DIMENSIONS



## OTHERS DIMENSIONS



(6700 / 8700)

(10500)

HOPPER MOUNTING DIMENSION

ROBOT TOP VIEW FIXED PLATEN

# TECHNICAL DATA JE16000 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	16000								
	Dist. between tie bars (H×V)	mm	1570×1285								
	Mold height max.	mm	1550								
	Mold height min.	mm	700								
	Ejector stroke	mm	400								
	Ejector force	kN	330								
	Max. daylight	mm	3250								
	Mold opening stroke <sup>1</sup>	mm	2550/1700								
	Max. mold weight <sup>2</sup>	t	33								
	Min. mold dimension	mm	1100×900								
Size of mold platen (H×V)	mm	2220×1950									
INJECTION UNIT	6700			8700			10500				
		A	B	C	A	B	C	A	B	C	
	Screw diameter	mm	90	100	110	100	110	120	110	120	130
	Screw L/D ratio	L/D	24.4	22	20	24.2	22	20.2	26.2	24	22.2
	Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>	2989	3691	4466	4005	4846	5767	5226	6220	7300
	Injection weight (PS) <sup>4</sup>	g	2720	3359	4064	3644	4410	5248	4756	5660	6643
	Injection speed	mm/s	120			120			110		
	Injection rate (PS)	g/s	667	823	996	823	996	1186	913	1086	1275
	Injection pressure <sup>5</sup>	MPa	222	180	148	217	180	151	202	170	145
		bar	2220	1800	1480	2170	1800	1510	2020	1700	1450
	Holding pressure <sup>5</sup>	MPa	200	162	133	195	162	136	181	153	130
		bar	2000	1620	1330	1950	1620	1360	1810	1530	1300
	Screw speed	rpm	170			155			140		
	Plasticizing rate (GPPS) <sup>6</sup>	g/s	103	127	150	121	145	168	163	189	218
	Plasticizing rate (HDPE) <sup>7</sup>	g/s	156	191	228	181	217	247	250	290	320
	Nozzle contact force	kN	94.8			94.8			136.1		
	Heating power	kW	75.6			82.8			104		
OTHERS	Connection power	kW/A	131/221			139/234			163/273		
	Hopper capacity	kg	100			200			200		
	Machine dimension	m	11.81×3.73×3.07			11.81×3.73×3.40			12.20×3.73×3.46		
	Oil tank	l	1040			1040			1040		
Machine weight	t	65			70			71			

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

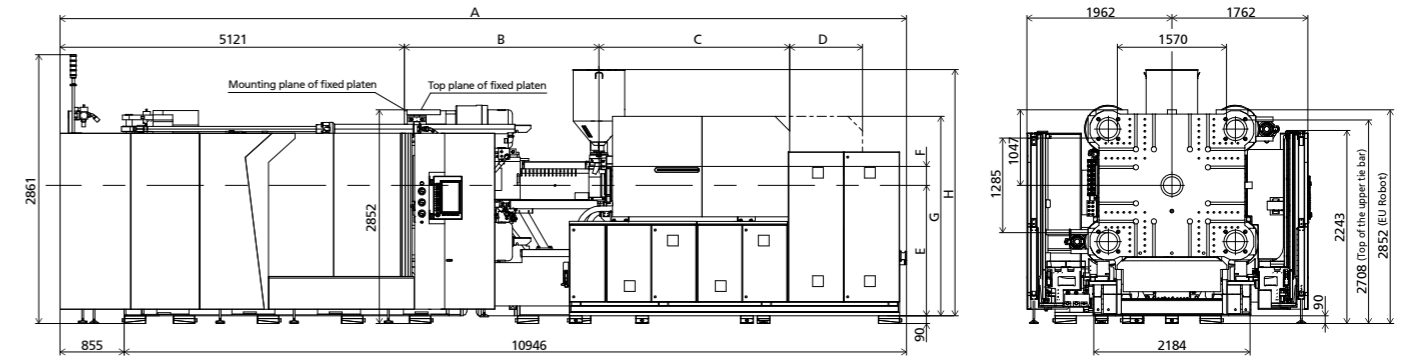
<sup>4</sup> Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

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

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

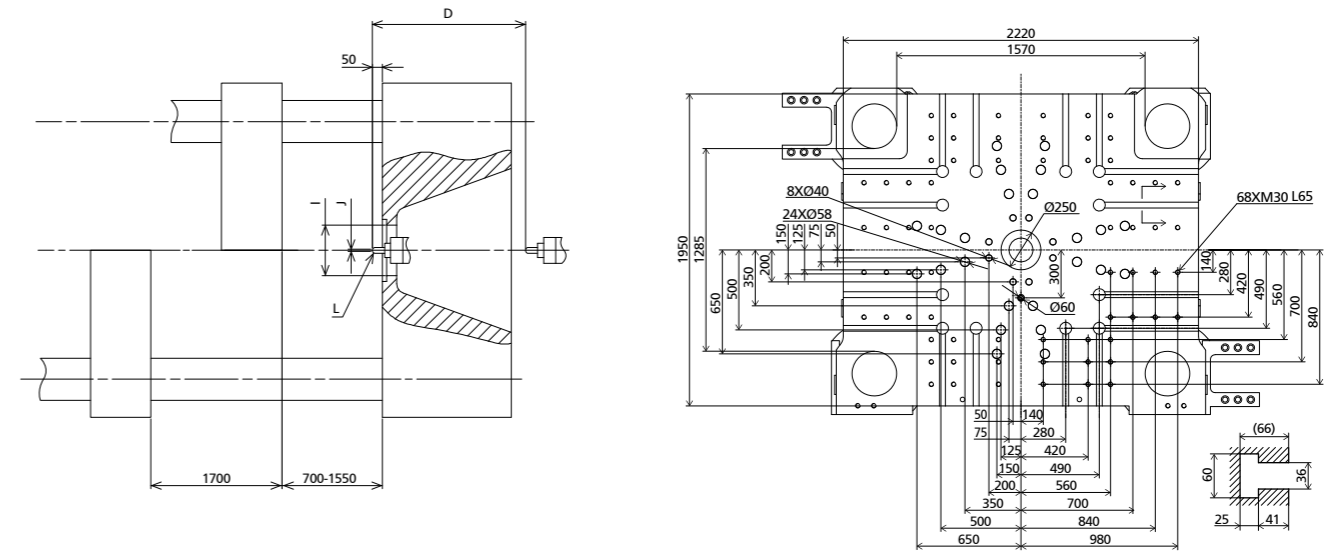
<sup>7</sup> Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

## MACHINE DIMENSIONS



	A	B	C	D	E	F	G	H	I	J	L
6700	11801	2509	2344	1050	1715	233	2518	3062	250	Ø6	SR20
8700	11801	2732	2661	1050	1715	233	2604	3393	250	Ø6	SR20
10500	11801	3189	2838	1050	1715	300	2604	3460	250	Ø6	SR20

## 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 JE18500 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	18500								
	Dist. between tie bars (H×V)	mm	1900×1450								
	Mold height max.	mm	1600								
	Mold height min.	mm	750								
	Ejector stroke	mm	450								
	Ejector force	kN	450								
	Max. daylight	mm	3350								
	Mold opening stroke <sup>1</sup>	mm	2600/1750								
	Max. mold weight <sup>2</sup>	t	40								
Min. mold dimension	mm	1330×1015									
Size of mold platen (H×V)	mm	2620×2175									
INJECTION UNIT	INJECTION UNIT		8700			10500			17500		
			A	B	C	A	B	C	A	B	C
	Screw diameter	mm	100	110	120	110	120	130	130	140	150
	Screw L/D ratio	L/D	24.2	22	20.2	26.2	24	22.2	24	22.3	20.8
	Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>	4005	4846	5767	5226	6220	7300	8361	9697	11132
	Injection weight (PS) <sup>4</sup>	g	3644	4410	5248	4756	5660	6643	7609	8825	10130
	Injection speed	mm/s	120			110			110		
	Injection rate (PS)	g/s	823	996	1186	913	1086	1275	1275	1479	1697
	Injection pressure <sup>5</sup>	MPa	217	180	151	202	170	145	209	180	157
		bar	2170	1800	1510	2020	1700	1450	2090	1800	1570
	Holding pressure <sup>5</sup>	MPa	195	162	136	181	153	130	167	144	126
		bar	1950	1620	1360	1810	1530	1300	1670	1440	1260
	Screw speed	rpm	155			140			120		
	Plasticizing rate (GPPS) <sup>6</sup>	g/s	121	145	168	163	189	218	198	226	258
	Plasticizing rate (HDPE) <sup>7</sup>	g/s	181	217	247	250	290	320	297	333	396
Nozzle contact force	kN	94.8			136.1			136.1			
Heating power	kW	82.8			104			119			
OTHERS	Connection power	kW/A	139/234			163/273			245/411		
	Hopper capacity	kg	200			200			200		
	Machine dimension	m	12.19×4.03×3.60			12.52×4.03×3.66			13.35×4.03×4.00		
	Oil tank	l	1040			1040			1190		
Machine weight	t	80			81			91			

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

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

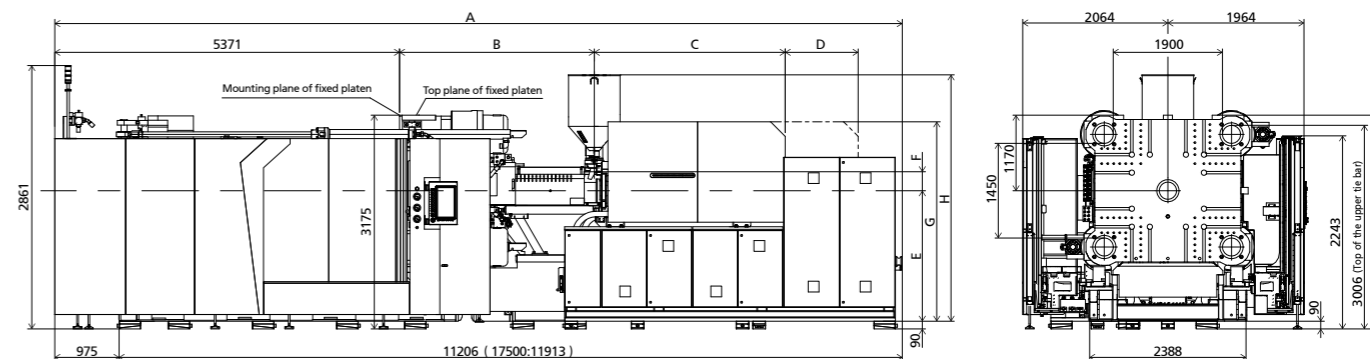
<sup>5</sup> Injection & holding pressure are theoretical values of machine output, not actual resin pressure.

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

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

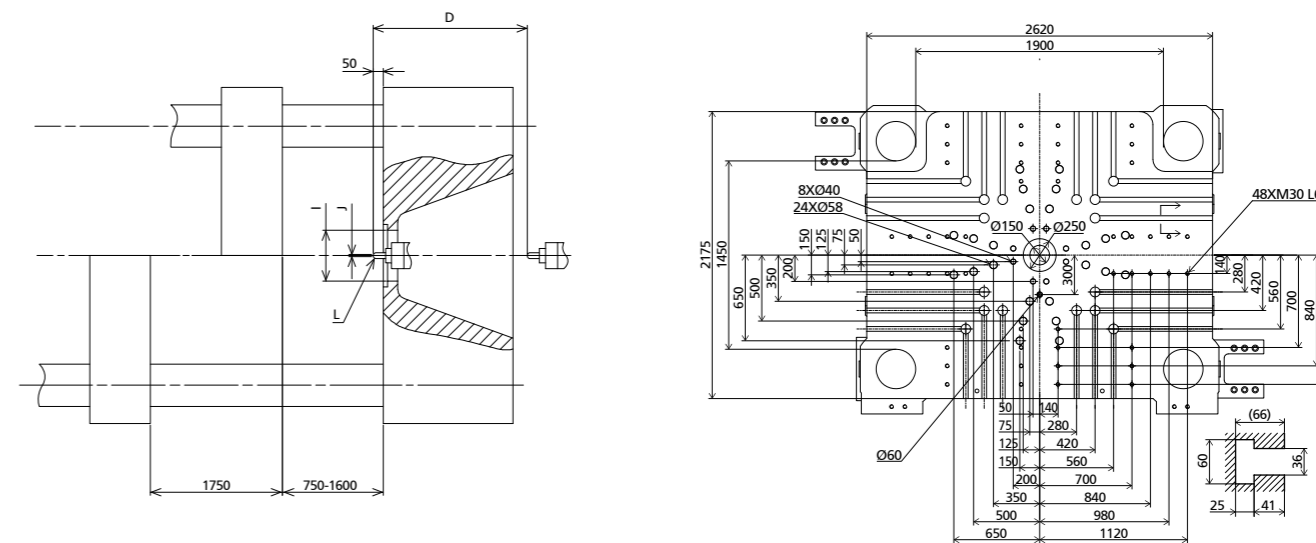
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## MACHINE DIMENSIONS

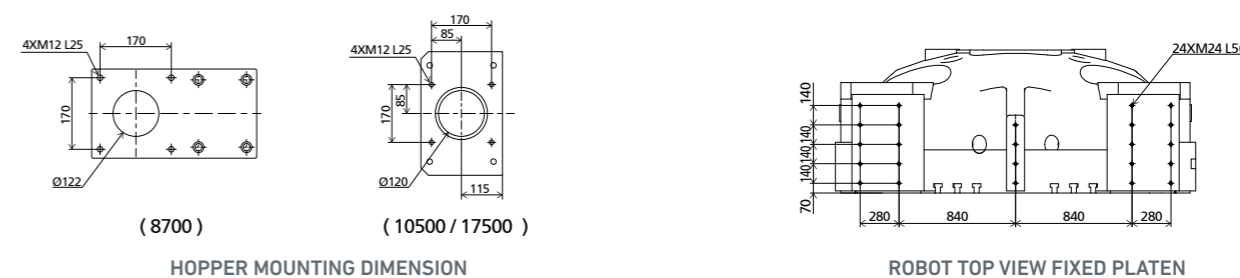


	A	B	C	D	E	F	G	H	I	J	L
8700	12181	2732	2661	1120	1915	233	2804	3593	250	Ø6	SR20
10500	12181	3189	2838	1120	1915	300	2804	3660	250	Ø6	SR20
17500	12888	3453	3402	1120	1915	971	2473	4000	250	Ø8	SR20

## PLATEN DIMENSIONS



## OTHERS DIMENSIONS



# TECHNICAL DATA JE21000 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	21000								
	Dist. between tie bars (H×V)	mm	1920×1480								
	Mold height max.	mm	1700								
	Mold height min.	mm	800								
	Ejector stroke	mm	450								
	Ejector force	kN	450								
	Max. daylight	mm	3500								
	Mold opening stroke <sup>1</sup>	mm	2700/1800								
	Max. mold weight <sup>2</sup>	t	50								
Min. mold dimension	mm	1345×1035									
Size of mold platen (H×V)	mm	2660×2220									
INJECTION UNIT	<b>INJECTION UNIT</b>		<b>8700</b>			<b>10500</b>			<b>17500</b>		
			<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
	Screw diameter	mm	100	110	120	110	120	130	130	140	150
	Screw L/D ratio	L/D	24.2	22	20.2	26.2	24	22.2	24	22.3	20.8
	Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>	4005	4846	5767	5226	6220	7300	8361	9697	11132
	Injection weight (PS) <sup>4</sup>	g	3644	4410	5248	4756	5660	6643	7609	8825	10130
	Injection speed	mm/s	120			110			110		
	Injection rate (PS)	g/s	823	996	1186	913	1086	1275	1275	1479	1697
	Injection pressure <sup>5</sup>	MPa	217	180	151	202	170	145	209	180	157
		bar	2170	1800	1510	2020	1700	1450	2090	1800	1570
	Holding pressure <sup>5</sup>	MPa	195	162	136	181	153	130	167	144	126
		bar	1950	1620	1360	1810	1530	1300	1670	1440	1260
	Screw speed	rpm	155			140			120		
	Plasticizing rate (GPPS) <sup>6</sup>	g/s	121	145	168	163	189	218	198	226	258
	Plasticizing rate (HDPE) <sup>7</sup>	g/s	181	217	247	250	290	320	297	333	396
	Nozzle contact force	kN	94.8			136.1			136.1		
Heating power	kW	82.8			104			119			
OTHERS	Connection power	kW/A	139/234			163/273			245/411		
	Hopper capacity	kg	200			200			200		
	Machine dimension	m	12.45×5.05×3.64			12.67×5.05×3.70			13.50×5.05×4.04		
	Oil tank	l	1040			1040			1190		
Machine weight	t	90			91			101			

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

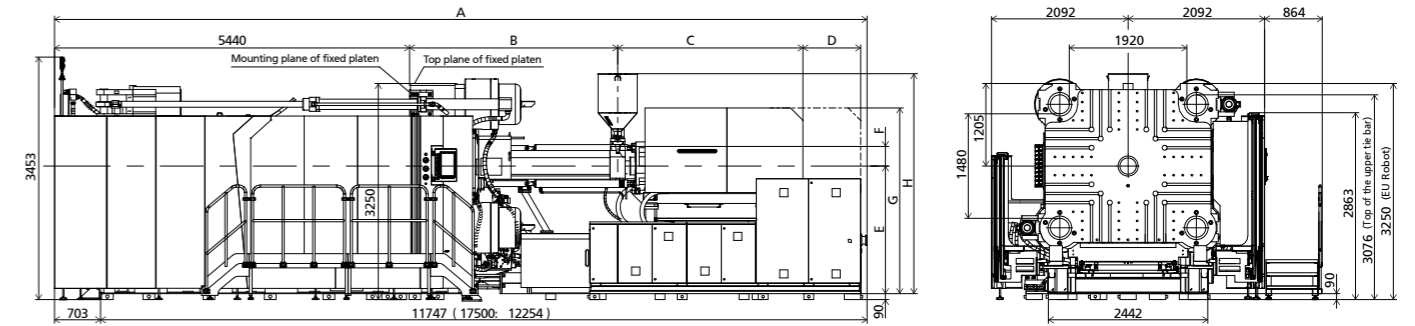
<sup>4</sup> Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

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

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

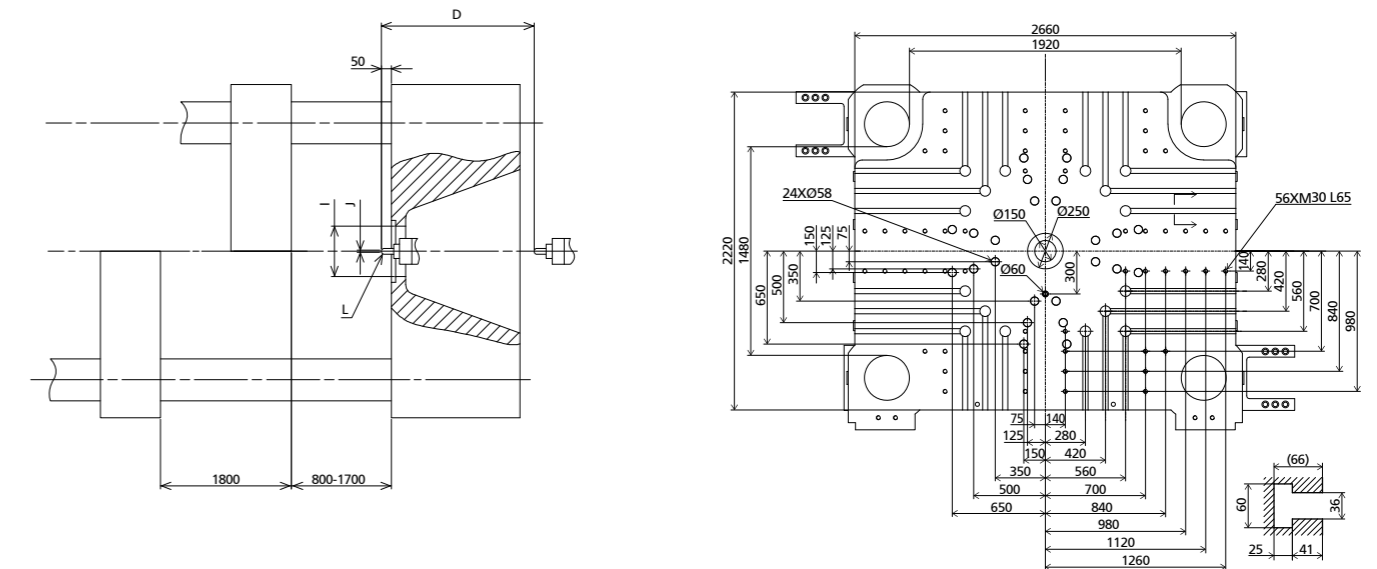
<sup>7</sup> Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

## MACHINE DIMENSIONS

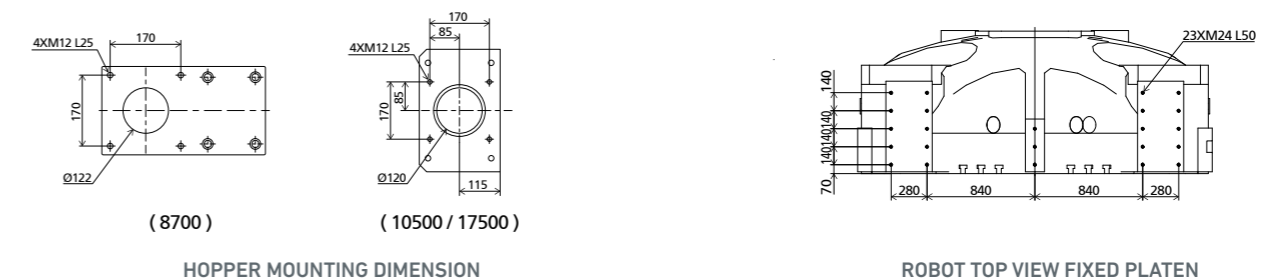


	A	B	C	D	E	F	G	H	I	J	L
8700	12450	2732	2661	1200	1955	233	2844	3633	250	Ø6	SR20
10500	12450	3189	2838	1200	1955	300	2844	3700	250	Ø6	SR20
17500	12957	3453	3402	1200	1955	971	2513	4040	250	Ø8	SR20

## PLATEN DIMENSIONS



## OTHERS DIMENSIONS



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 JE24000 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	24000								
	Dist. between tie bars (H×V)	mm	2020×1620								
	Mold height max.	mm	1800								
	Mold height min.	mm	800								
	Ejector stroke	mm	500								
	Ejector force	kN	450								
	Max. daylight	mm	3800								
	Mold opening stroke <sup>1</sup>	mm	3000/2000								
	Max. mold weight <sup>2</sup>	t	59								
	Min. mold dimension	mm	1415×1135								
Size of mold platen (H×V)	mm	2790×2390									
INJECTION UNIT	<b>INJECTION UNIT</b>		<b>8700</b>			<b>10500</b>			<b>17500</b>		
			<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>	<b>C</b>
	Screw diameter	mm	100	110	120	110	120	130	130	140	150
	Screw L/D ratio	L/D	24.2	22	20.2	26.2	24	22.2	24	22.3	20.8
	Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>	4005	4846	5767	5226	6220	7300	8361	9697	11132
	Injection weight (PS) <sup>4</sup>	g	3644	4410	5248	4756	5660	6643	7609	8825	10130
	Injection speed	mm/s	120			110			110		
	Injection rate (PS)	g/s	823	996	1186	913	1086	1275	1275	1479	1697
	Injection pressure <sup>5</sup>	MPa	217	180	151	202	170	145	209	180	157
		bar	2170	1800	1510	2020	1700	1450	2090	1800	1570
	Holding pressure <sup>5</sup>	MPa	195	162	136	181	153	130	167	144	126
		bar	1950	1620	1360	1810	1530	1300	1670	1440	1260
	Screw speed	rpm	155			140			120		
	Plasticizing rate (GPPS) <sup>6</sup>	g/s	121	145	168	163	189	218	198	226	258
	Plasticizing rate (HDPE) <sup>7</sup>	g/s	181	217	247	250	290	320	297	333	396
	Nozzle contact force	kN	94.8			136.1			136.1		
Heating power	kW	82.8			104			119			
Connection power	kW/A	139/234			163/273			245/411			
Hopper capacity	kg	200			200			200			
Machine dimension	m	13.11×5.27×3.76			13.27×5.27×3.82			14.10×5.27×4.16			
Oil tank	l	1040			1040			1190			
Machine weight	t	105			106			116			

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

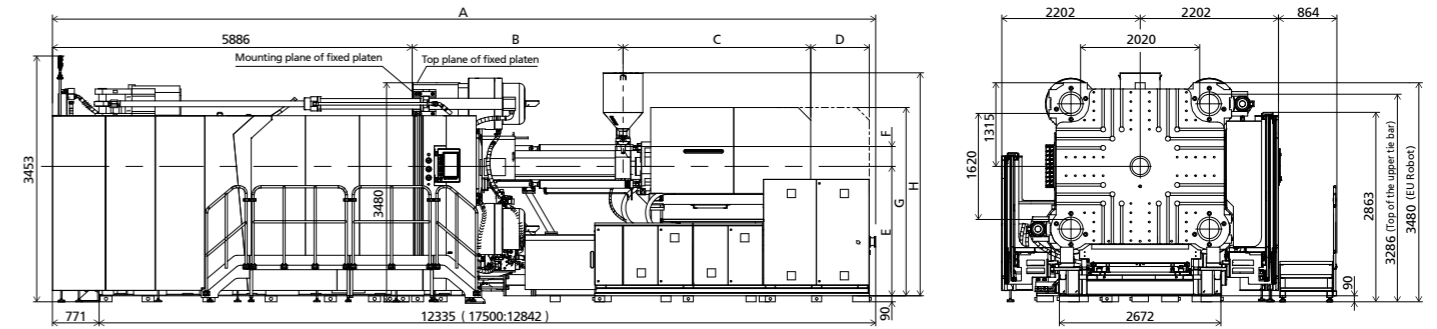
<sup>4</sup> Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

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

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

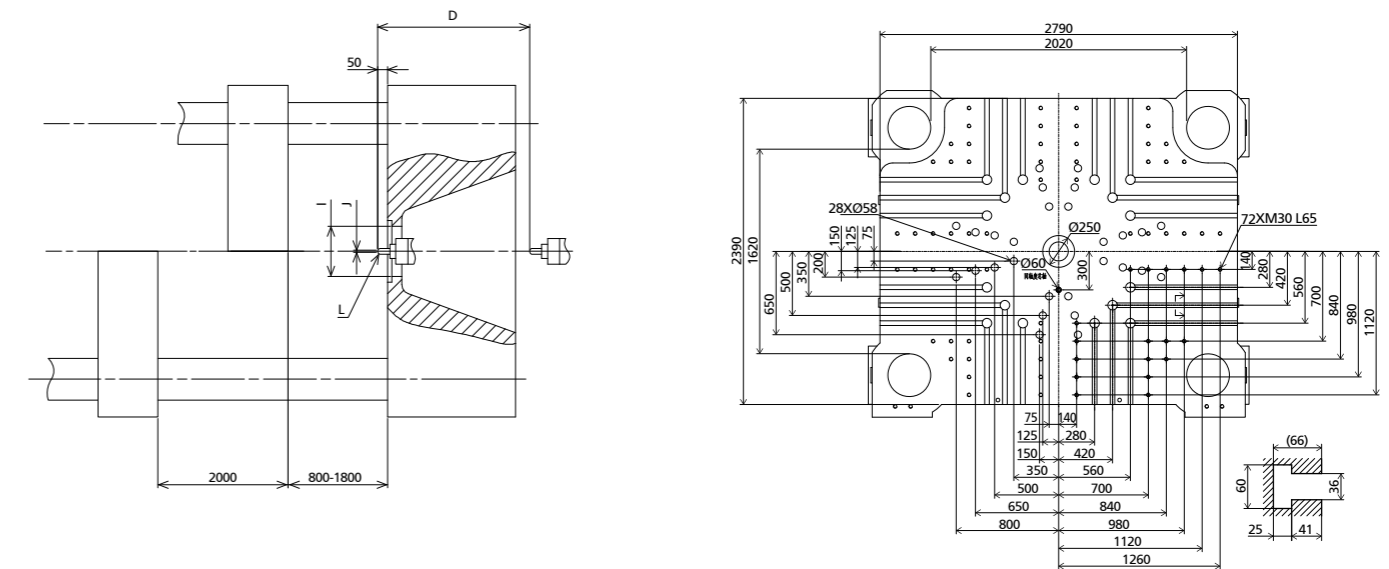
<sup>7</sup> Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

## MACHINE DIMENSIONS

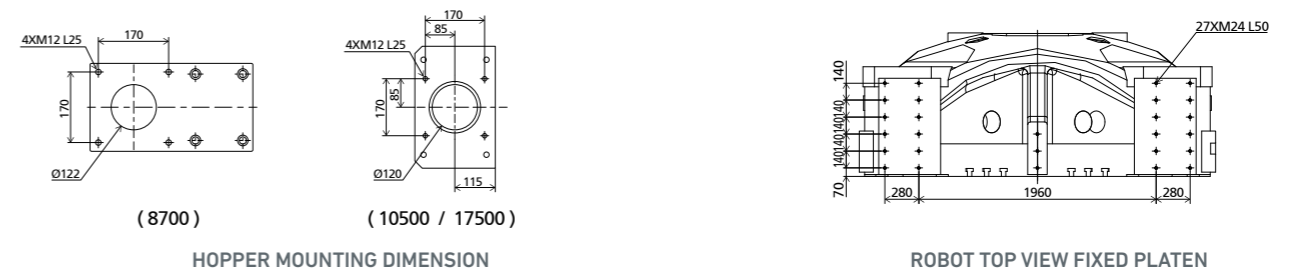


	A	B	C	D	E	F	G	H	I	J	L
8700	13106	2732	2661	1350	2075	233	2964	3753	250	Ø6	SR20
10500	13106	3189	2838	1350	2075	300	2964	3820	250	Ø6	SR20
17500	13613	3453	3402	1350	2075	971	2633	4160	250	Ø8	SR20

## PLATEN DIMENSIONS



## OTHERS DIMENSIONS



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 JE33000 V

## MACHINE DIMENSIONS

CLAMPING UNIT	Clamping force	kN	33000				
	Dist. between tie bars (H×V)	mm	2270×1900				
	Mold height max.	mm	2000				
	Mold height min.	mm	1000				
	Ejector stroke	mm	550				
	Ejector force	kN	580				
	Max. daylight	mm	4200				
	Mold opening stroke <sup>1</sup>	mm	3200/2200				
	Max. mold weight <sup>2</sup>	t	75				
Min. mold dimension	mm	1590×1330					
Size of mold platen (H×V)	mm	3175×2805					
<b>INJECTION UNIT</b>			<b>17500</b>			<b>21500</b>	
			<b>A</b>	<b>B</b>	<b>C</b>	<b>A</b>	<b>B</b>
Screw diameter	mm		130	140	150	140	150
Screw L/D ratio	L/D		24	22.3	20.8	24	22.4
Injection volume (theoretical) <sup>3</sup>	cm <sup>3</sup>		8361	9697	11132	10467	12016
Injection weight (PS) <sup>4</sup>	g		7609	8825	10130	9525	10934
Injection speed	mm/s		110				
Injection rate (PS)	g/s		1275	1479	1697	1479	1697
Injection pressure <sup>5</sup>	MPa		209	180	157	207	180
	bar		2090	1800	1570	2070	1800
Holding pressure <sup>5</sup>	MPa		167	144	126	165	144
	bar		1670	1440	1260	1650	1440
Screw speed	rpm		120				
Plasticizing rate (GPPS) <sup>6</sup>	g/s		198	226	258	200	228
Plasticizing rate (HDPE) <sup>7</sup>	g/s		297	333	396	314	380
Nozzle contact force	kN		136.1				
Heating power	kW		119				
			133				
Connection power	kW/A		245/411			273/459	
Hopper capacity	kg		200				
Machine dimension	m		15.35×5.78×4.47				
Oil tank	l		1700				
Machine weight	t		164				
			165				

NOTE: <sup>1</sup> with min. mold height / with max. mold height.

<sup>2</sup> moving platen: 2/3 of max. mold weight.

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

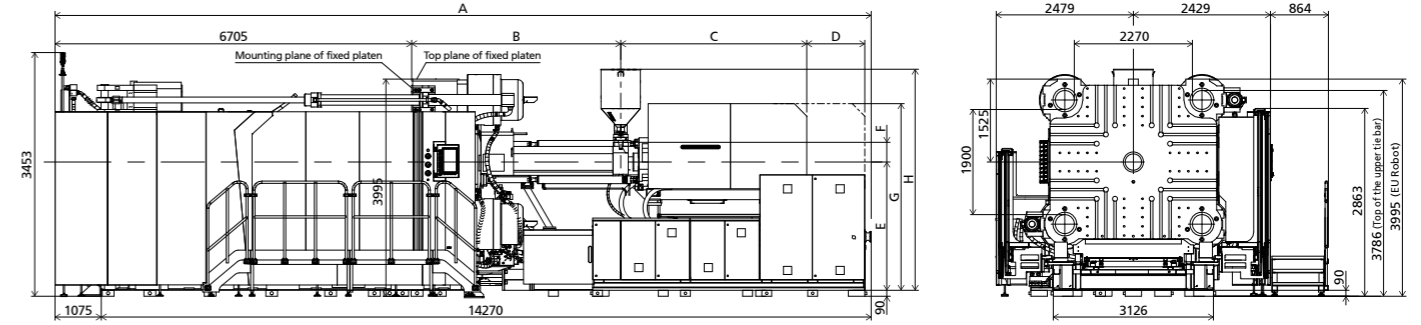
<sup>4</sup> Shot weight (PS) is the theoretical value converted from shot volume by melt density of PS. It is not measured.

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

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

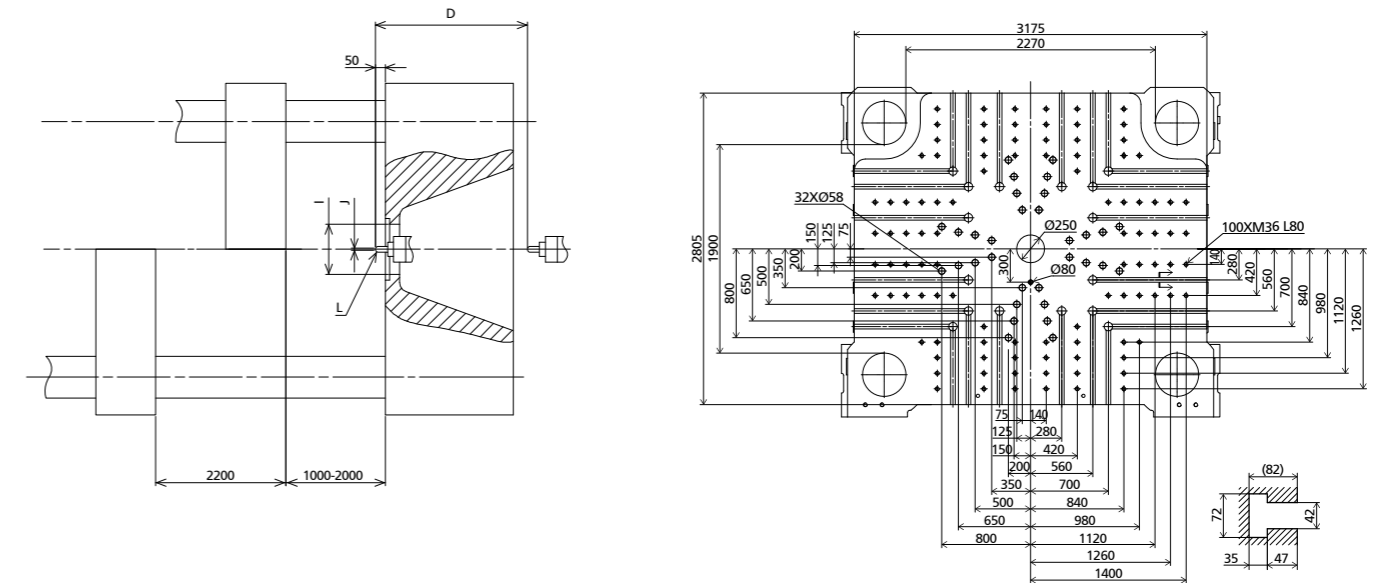
<sup>7</sup> Plasticizing capacity (HDPE): Euromap 19, with application of HDPE plasticizing capacity of barrier screws.

## MACHINE DIMENSIONS

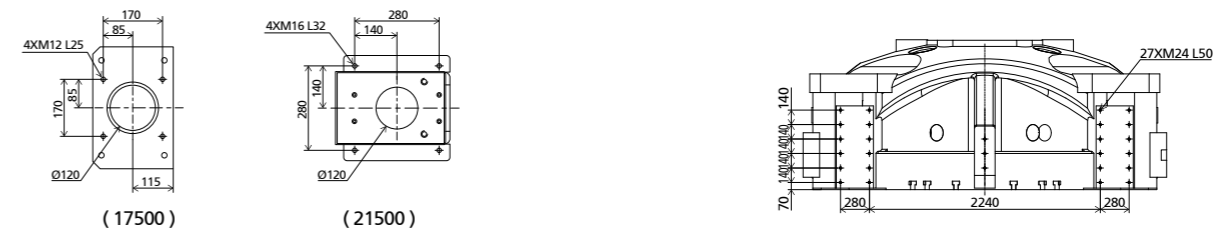


	A	B	C	D	E	F	G	H	I	J	L
17500	15345	3453	3402	1550	2380	971	2938	4465	250	Ø8	SR20
21500	15345	3726	3523	1550	2380	1210	3010	5035	250	Ø8	SR20

## PLATEN DIMENSIONS



## OTHERS DIMENSIONS

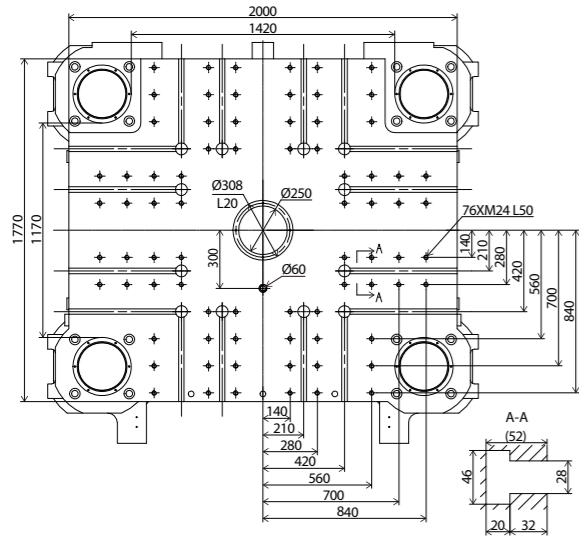


HOPPER MOUNTING DIMENSION

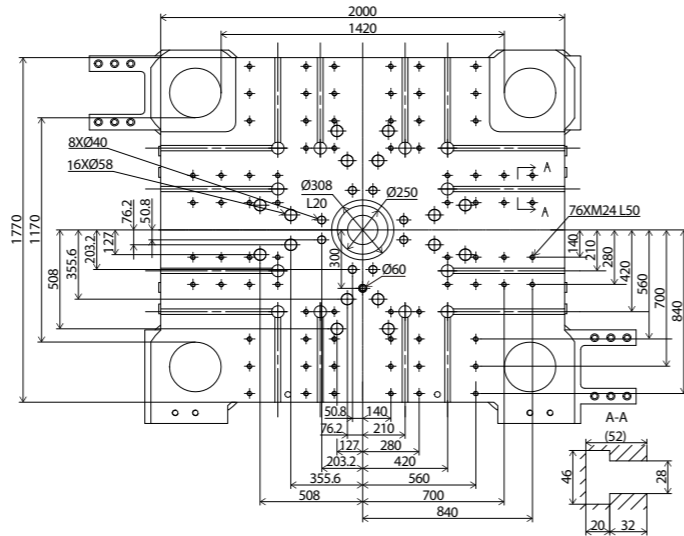
ROBOT TOP VIEW FIXED PLATEN

This parameter table is based on machine standard configuration;  
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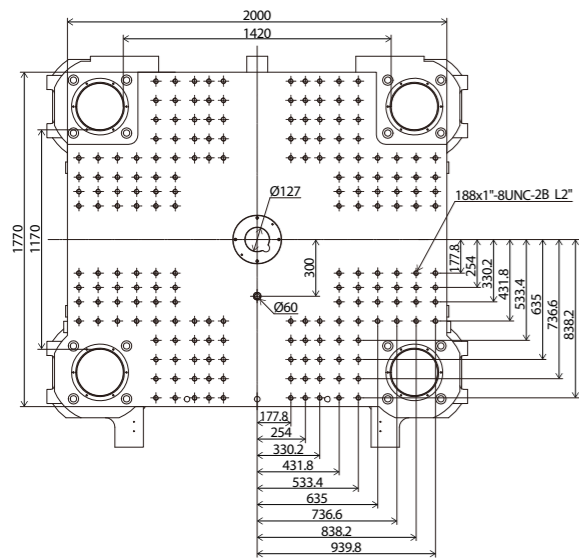
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FIXED PLATEN



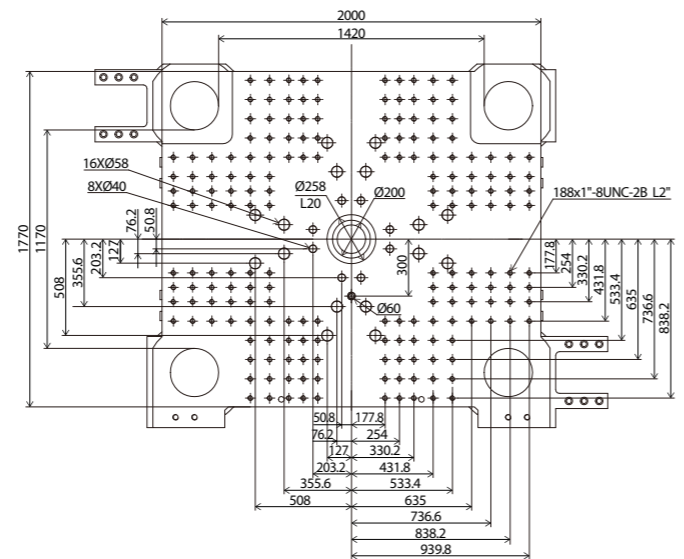
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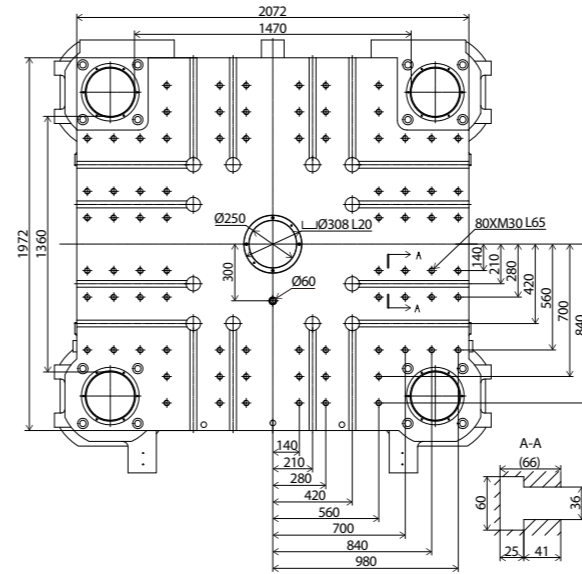
AMERICAN VERSION  
FIXED PLATEN



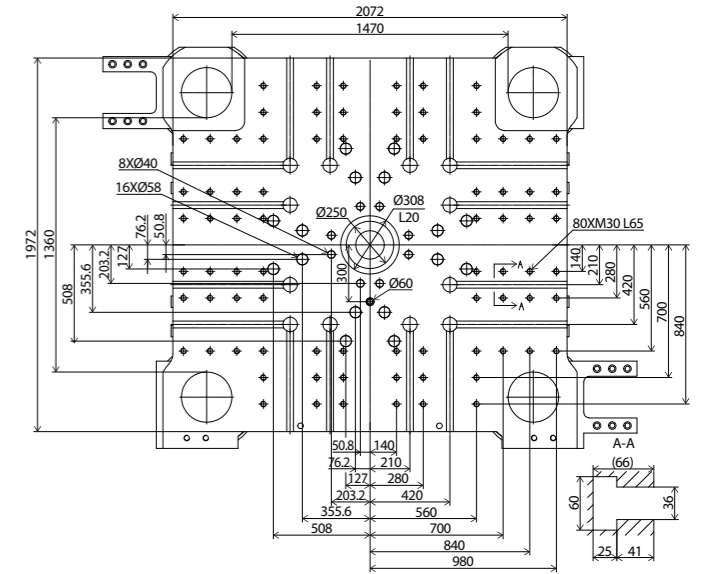
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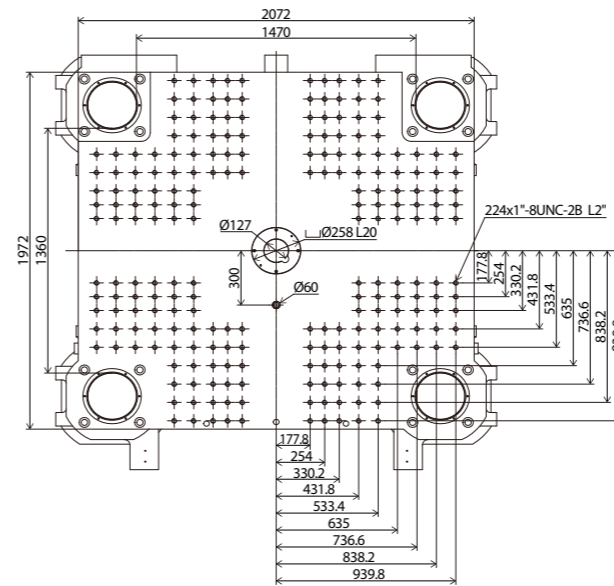
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FIXED PLATEN



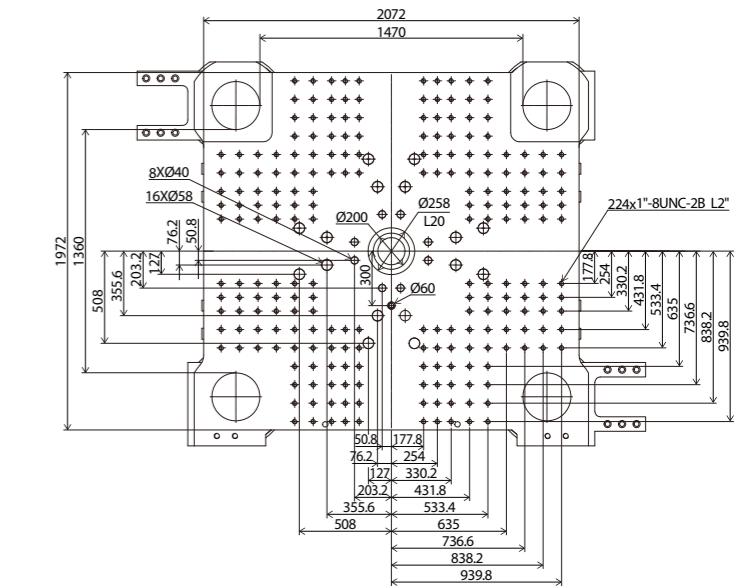
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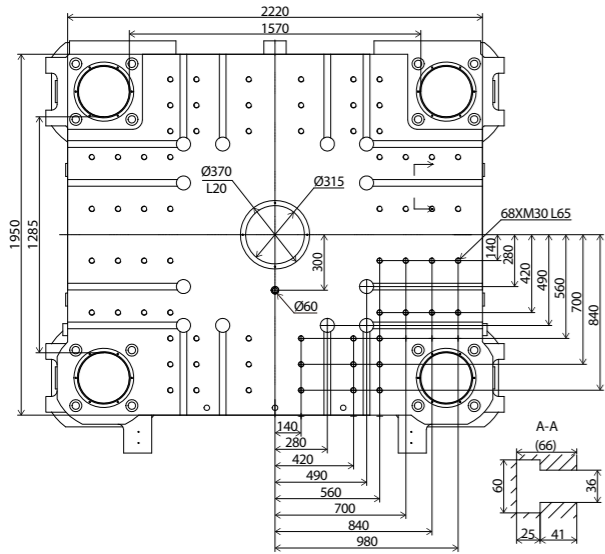
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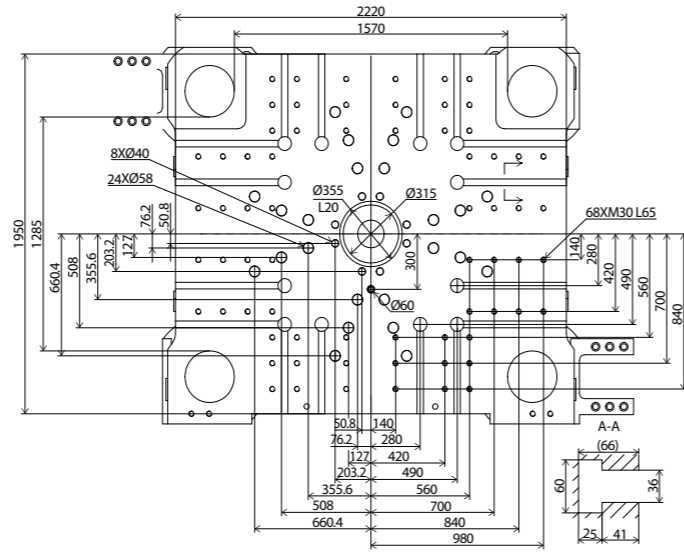
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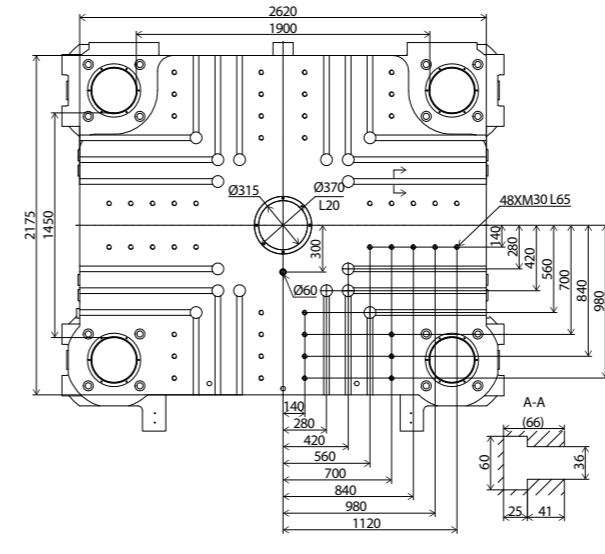
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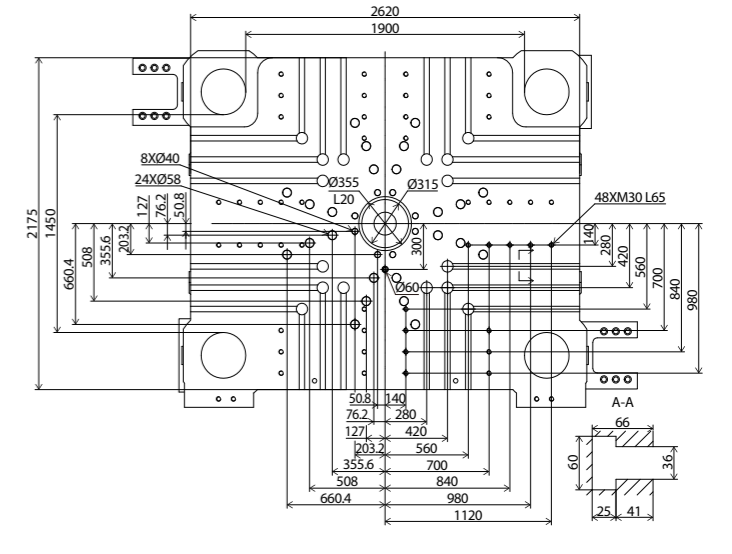
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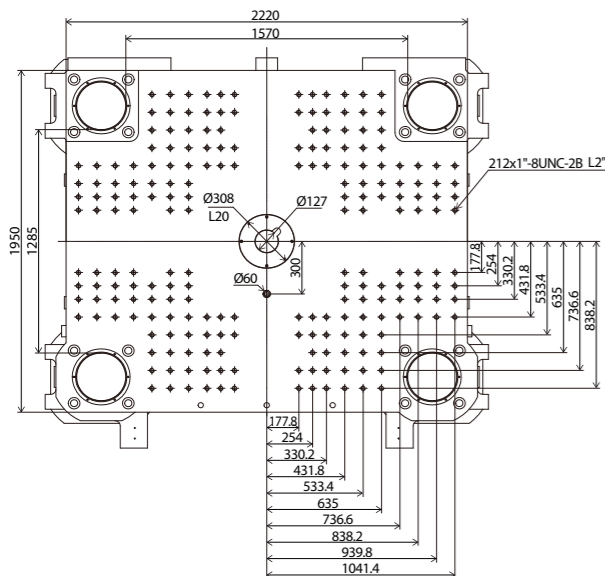
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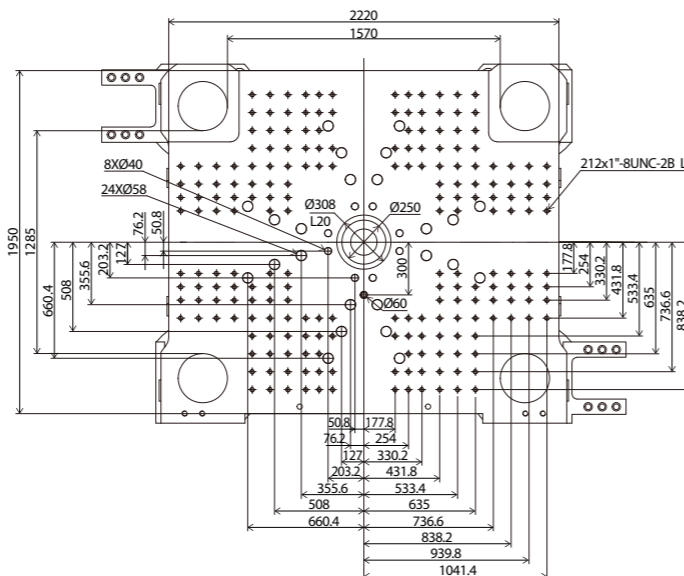
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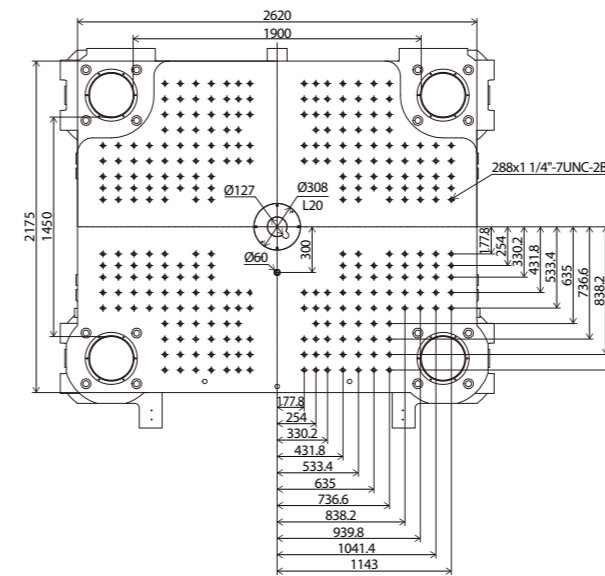
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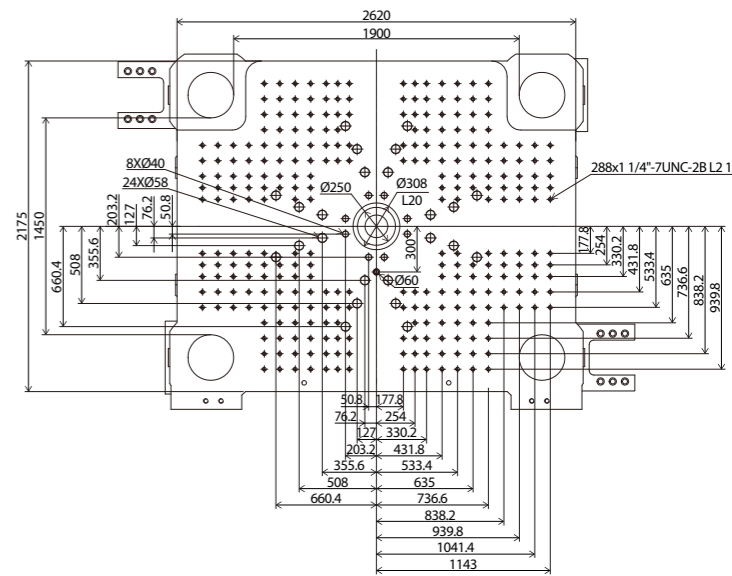
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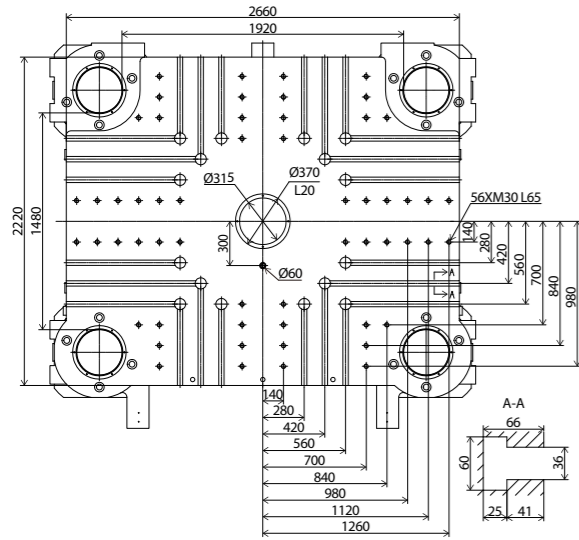


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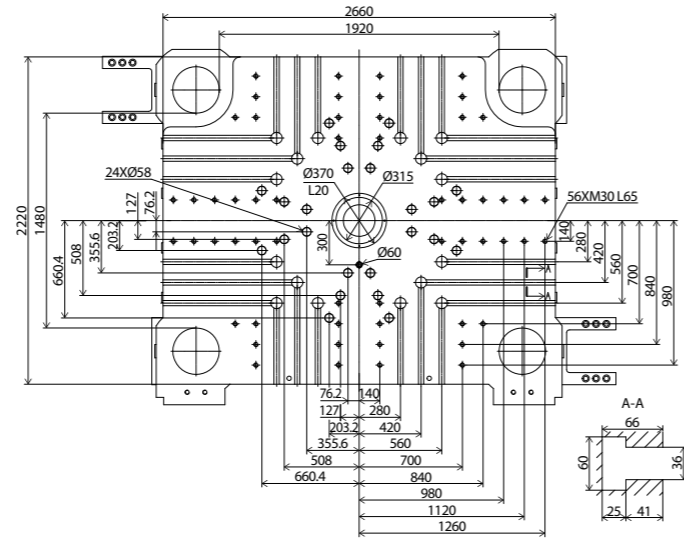


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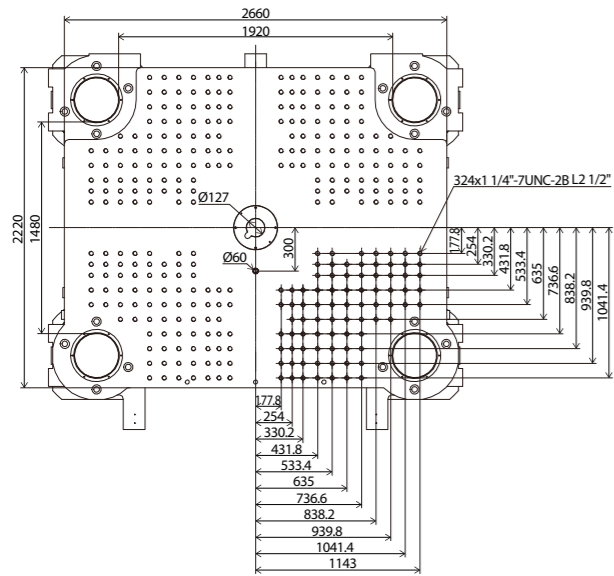
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FIXED PLATEN



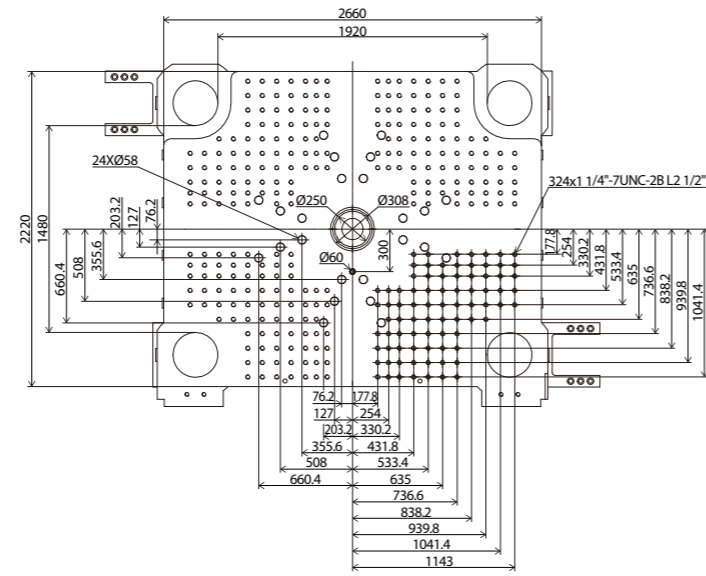
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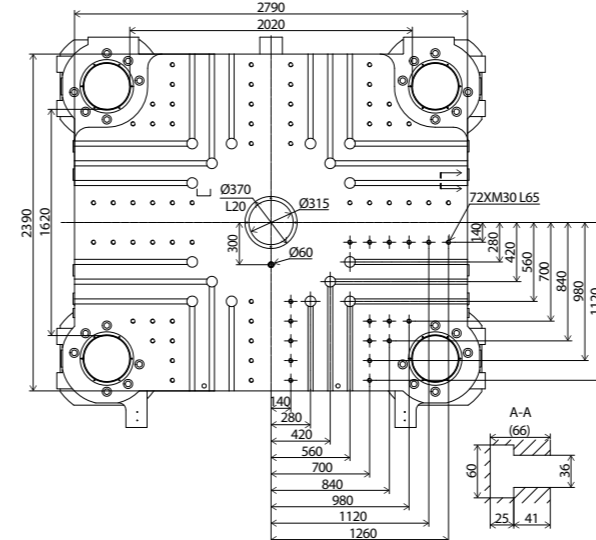
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FIXED PLATEN



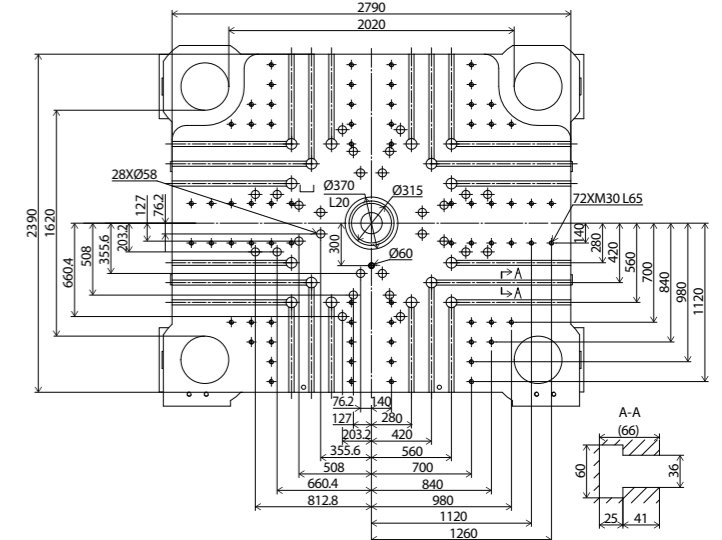
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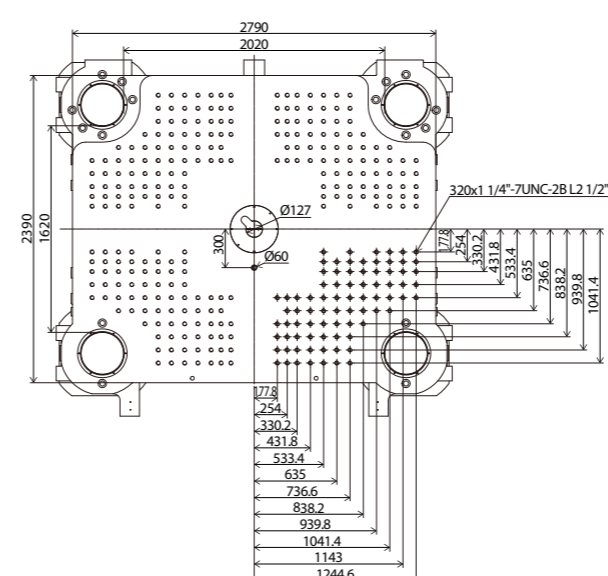
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FIXED PLATEN



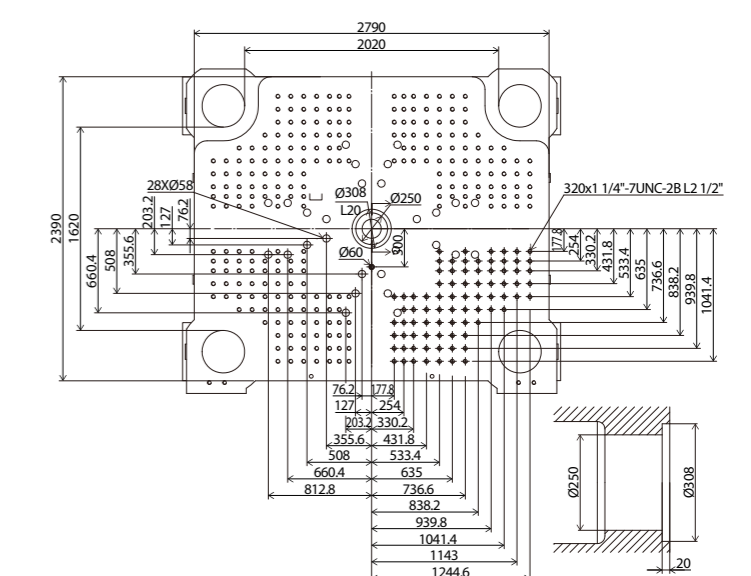
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**AMERICAN VERSION**  
FIXED PLATEN

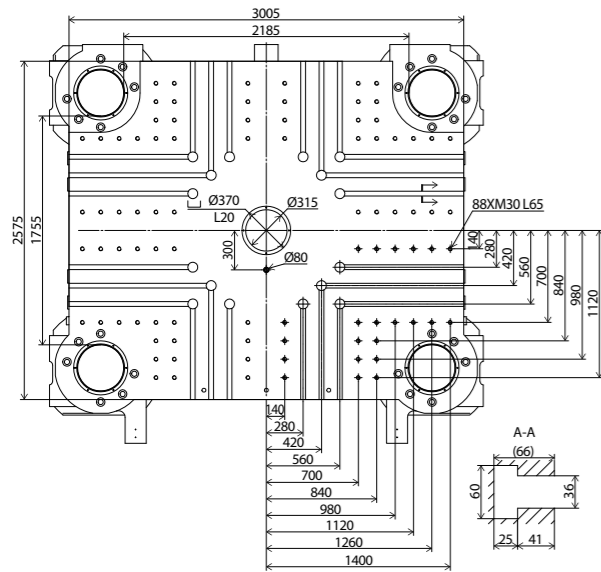


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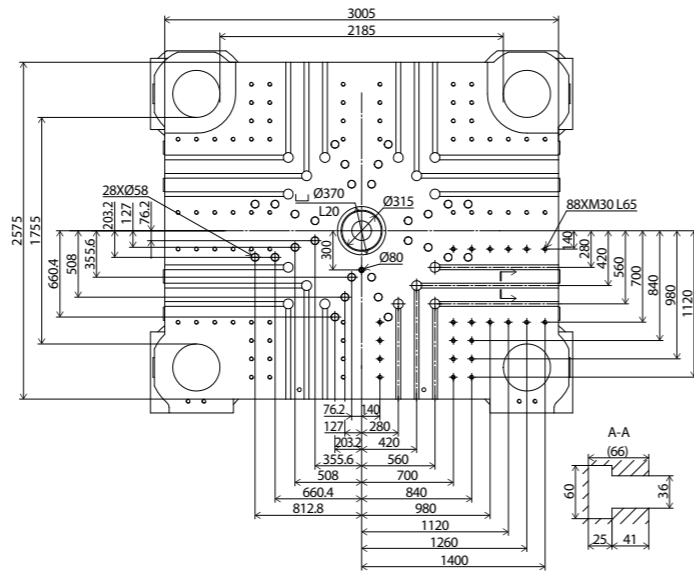


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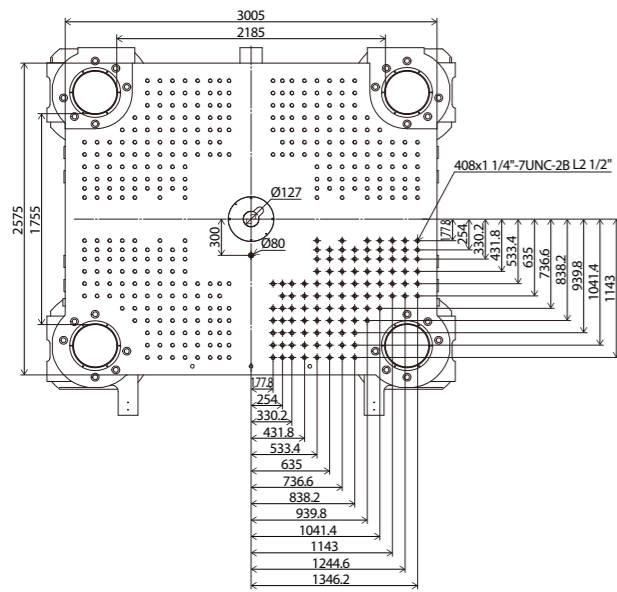
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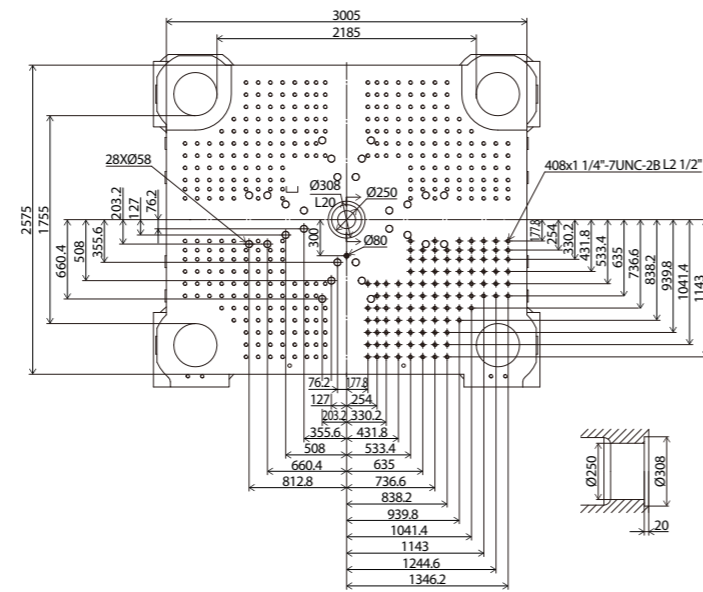
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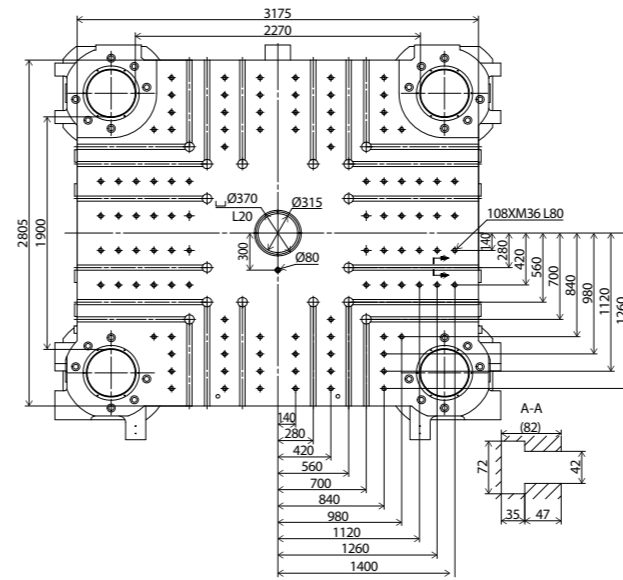
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FIXED PLATEN



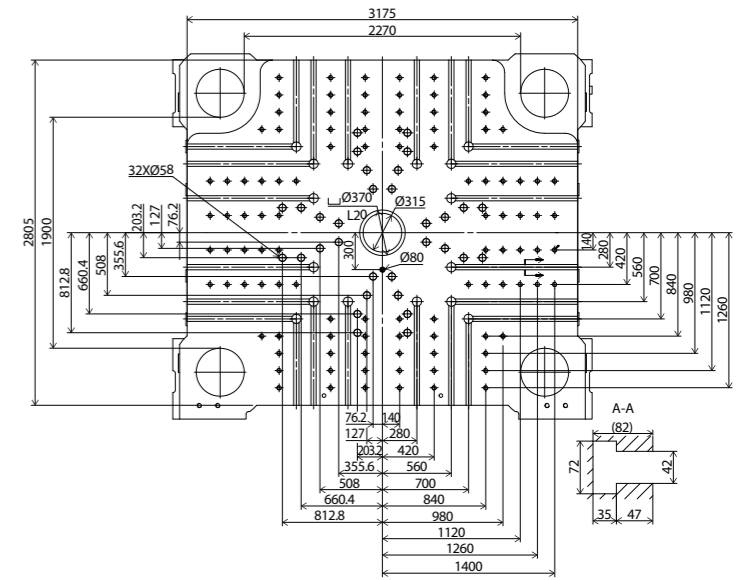
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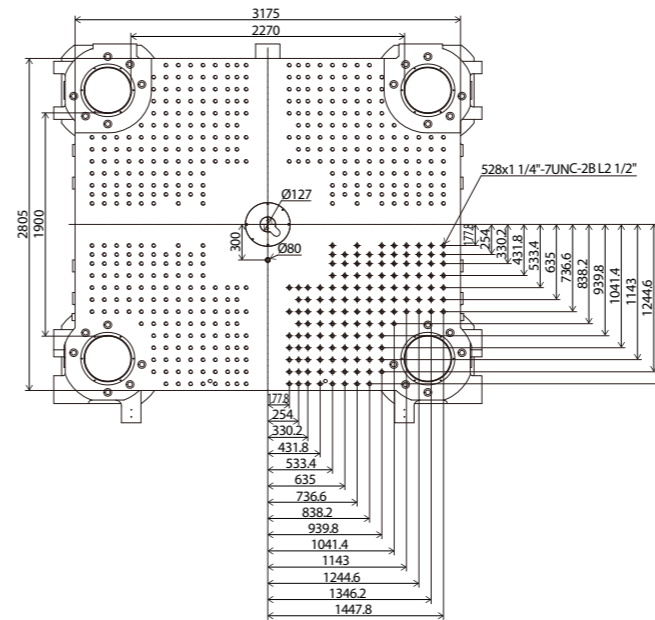
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FIXED PLATEN



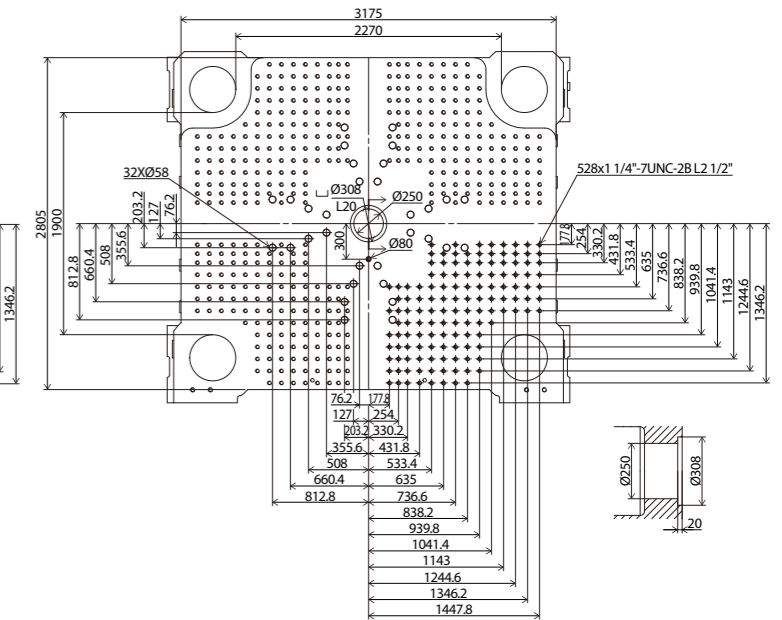
MOVABLE PLATEN



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