INVERA

Dream

SERIES INJECTION
MOLDING MACHINE

INVERA
Molding Dreams

Catalogue 2012

www.invera.cz

INVERA

DREAM SERIES

Machine Design Concept

Professional >> Precise >> Power–saving >> Short cycle >> Stable

Professional:
Our management team and main technical designers have more than 20 years work experience of IMM. And they keep have technical communication and cooperation with other Manufacturers from Germany.

Precise:
INVERA has very advanced R&D and strict Manufacturing control for its products,and try to realize 0% products scarp rate on our injection moulding machine.

Power–saving:
INVERA has established long-term cooperation with many top components suppliers from Germany.

With short cycle time:
INVERA offers turn key solutions for high speed machine with short cycle time, and these solutions are the best choice for efficient production.

Stable:
Besides Precise, Power-saving and with short cycle-time, the reliable quality of INVERA injection molding machine will add value to our customer' s investment for IMMs.

DREAM SERIES

Range of Application

The Dream series IMM of INVERA can be widely used for products like Pipe fitting, auto - mobile parts, home appliances, logistic & transportation equipments, electron, food packages, medical equipments, toys etc. We offer customers with turn key solutions and good service support. The wide application range of D series will sure offer the Plastic industry with more IMM solutions and choices.

DREAM SERIES

Machine advantages

With super big tie bar space and clamping stroke

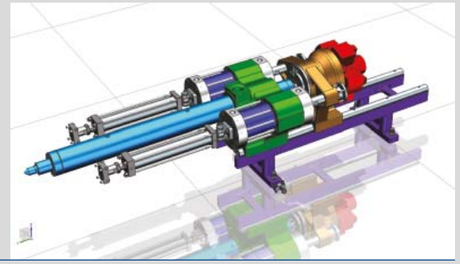
With faster heating, and more precise temperature control

With super big eject stroke

With big diagonal type clamping unit design,easy mould open and the clamping unit running fast and smooth

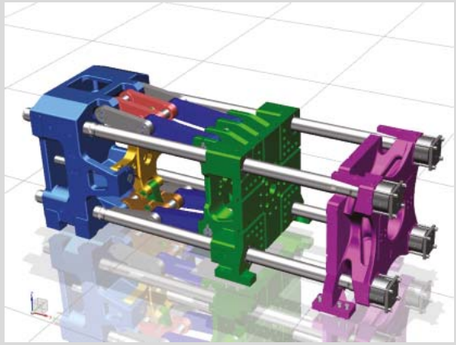
Flexible front platen design, with little large -area deformation.

Two paralyzed pillar guider design. Injection is more stable & precise.

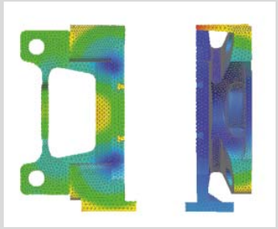


■ Modularized design,offer customers with more options.

■ Professional plasticizing units for different engineering Plastics



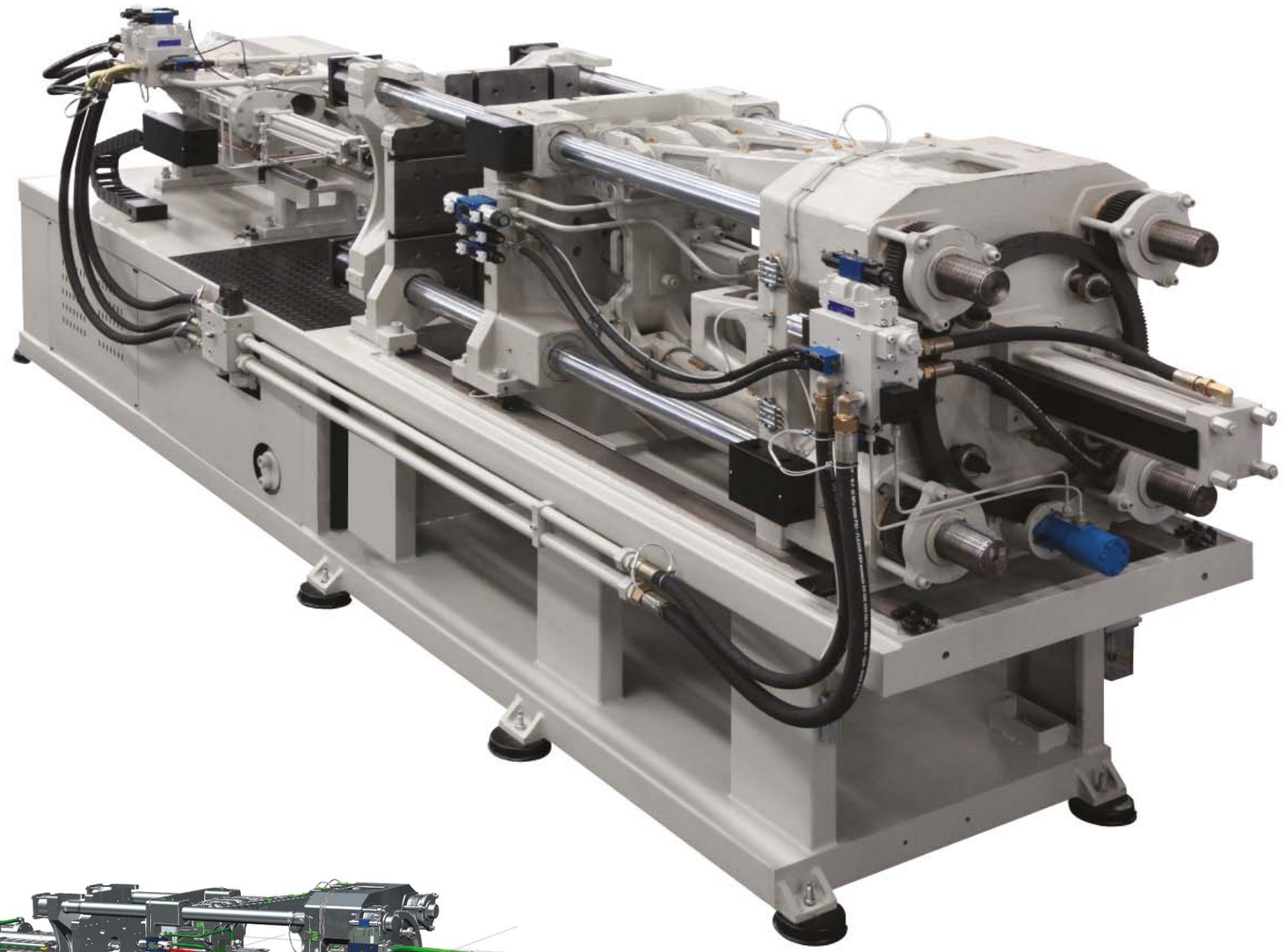
■ Clamping unit motion analysis

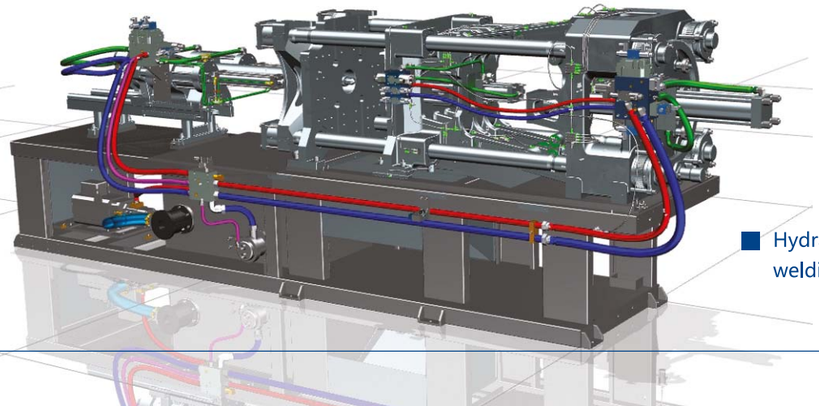


■ Finite-element analysis

Machine advantages

- High-precision hydraulic oil filer system.
- Oil temperature/level instant monitoring
- High performance servo motor system, hydraulic components from world famous brands.
- Meet GB22530 and EN201 Hydraulic Safety Standard

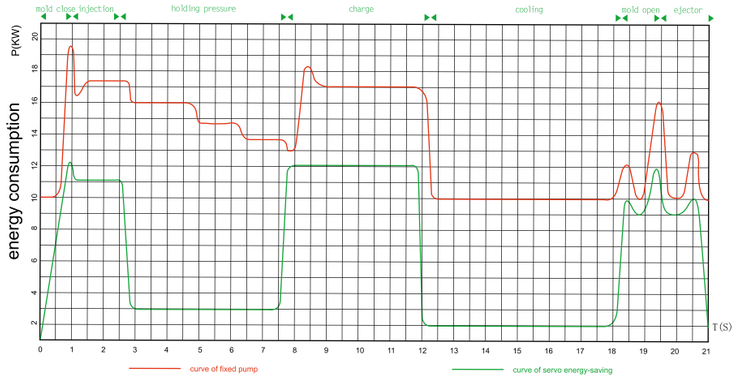




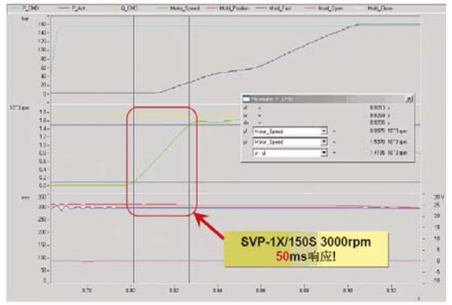
- Hydraulic routes with the fewest bents, welding and with the shortest route.

Efficient >> Clean >> Elegant >> User–friendly

Machine advantages



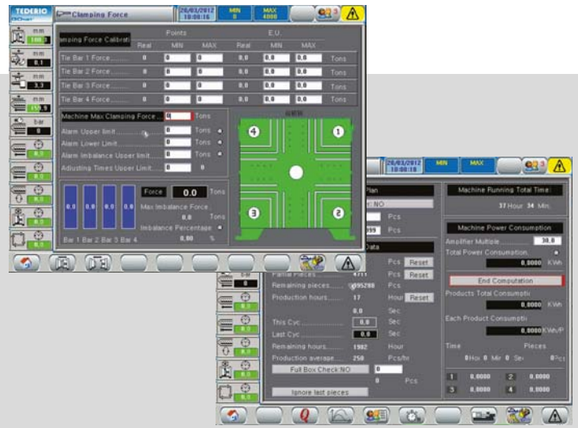
■ Save power by 30~80%,
comparing with traditional hydraulic motor system



■ Servo motor system with quick response, response time 30~50ms.

Versatile controller with excellent QC monitoring function, temperature detecting function.

Power–saving >> Precise >> Professional

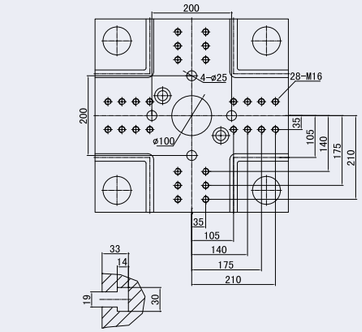


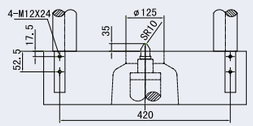
■ Power- consumption monitoring function and clamping force instant display function.

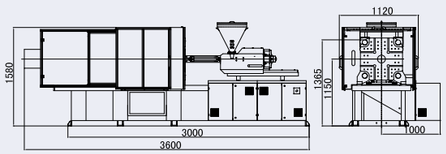
■ World leading Servo motor system

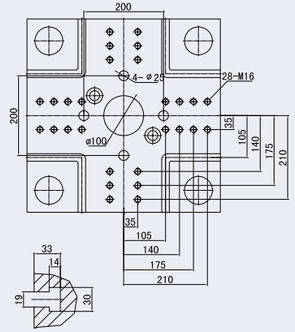
■ Water & dust-proof electrical cabinets, separated cabinets for strong currency/weak currency, electrical components from world famous brands.

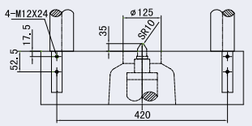
			D45/100			D60/150			D80/210			D100/380		
			A	B	C	A	B	C	A	B	C	A	B	C
Injection Unit	Screw Diameter	mm	22	25	28	25	28	32	28	32	35	35	38	42
	Screw L/D Ratio	L/D	22.7	20.0	17.9	22.4	20.0	17.5	22.9	20.0	18.3	21.7	20.0	18.1
	Theoretical Shot Volume	cm^3	43	55	69	62	78	101	89	116	139	168	198	242
	Injection Weight(Ps)	g	39	50	63	56	71	92	81	105	126	153	180	220
	Injection Pressure	MPa	240.4	186.2	148.4	246.4	196.4	150.4	251.1	192.3	160.7	227.9	193.3	158.2
	Injection Rate Into Air	cm^3/s	75.2/94.6	97.1/122.2	121.8/153.3	92.3/113.6	115.8/142.5	151.3/186.2	90.6/111.5	118.3/145.6	141.6/174.2	99.8/122.9	117.7/144.9	143.8/177.0
	Injection Stroke	mm	113			126			144			175		
	Injection Speed	cm/s	19.8 / 24.9			18.8/23.2			14.7/18.1			10.4/12.8		
	Screw Speed	rpm	300 / 377			332/409			332/409			229/282		
Clamping Unit	Clamping Force	KN	450			600			800			1000		
	Clamping Stroke	mm	330			330			330			360		
	Space Between Tie Bar	mm	320x320			320x320			320x320			360x360		
	Max.Mold Height	mm	330			330			330			380		
	Min.Mold Height	mm	120			120			120			150		
	Eject Stroke	mm	80			80			80			120		
	Eject Force	KN	28			28			28			34		
	No.Of Ejector Pins	Piece	1			1			1			5		
Others	Max.Pump Pressure	MPa	17.5			17.5			17.5			17.5		
	Pump Motor Power	KW	7.5/11			11/15			11/15			11/15		
	Heater Power	KW	5			5.5			5.9			7.3		
	Hopper Capacity	Kg	25			25			25			25		
	Oil Tank Capacity	L	150			200			200			250		
	Weight	T	2.6			2.7			2.8			3.1		

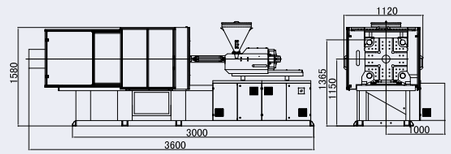


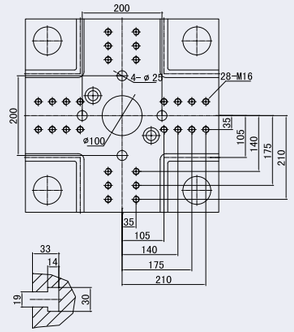


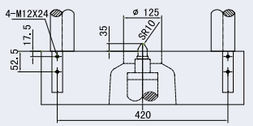


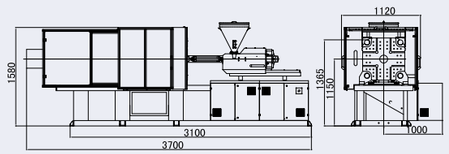


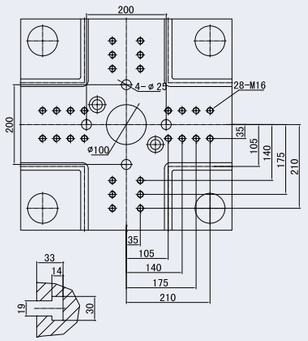


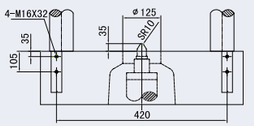


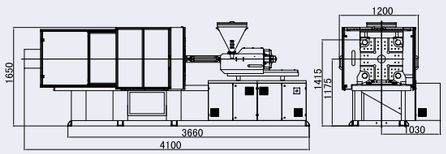






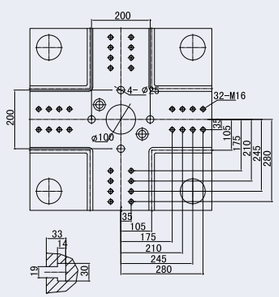


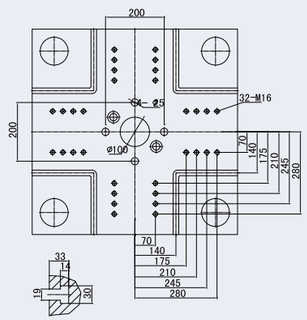


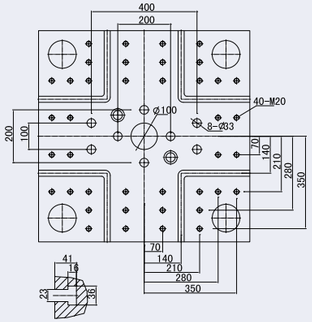


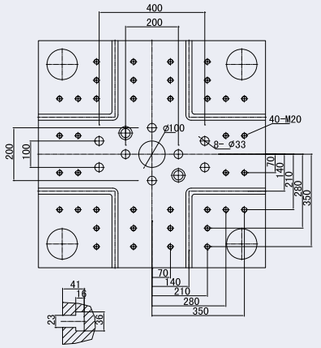
Parameter list

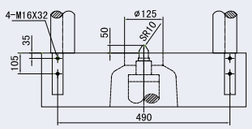
		Company	D130/510			D160/600			D200/850			D250/1100		
			A	B	C	A	B	C	A	B	C	A	B	C
Injection Unit	Screw Diameter	mm	38	42	45	42	45	50	45	50	55	50	55	60
	Screw L/D Ratio	L/D	22.1	20.0	18.7	21.4	20.0	18.0	22.2	20.0	18.2	22.0	20.0	18.3
	Theoretical Shot Volume	cm^3	221	271	311	287	329	406	358	442	535	497	601	715
	Injection Weight(Ps)	g	202	246	283	261	300	370	326	402	486	452	547	651
	Injection Pressure	MPa	232.7	190.5	165.9	212.8	185.4	150.2	237.9	192.7	159.3	224.0	185.1	155.6
	Injection Rate Into Air	cm^3/s	120.3/150.4	147.0/183.8	168.8/210.9	131.6/164.5	151.0/188.8	186.5/233.1	147.1x183.9	181.6/227.0	219.8/274.7	195.3/224.0	236.3/271.0	281.3/322.5
	Injection Stroke	mm	195			207			225			253		
	Injection Speed	cm/s	10.6/13.3			9.5/11.9			9.3/11.6			10.0/11.4		
	Screw Speed	rpm	242/302			212/265			202/253			199/228		
Clamping Unit	Clamping Force	KN	1300			1600			2000			2500		
	Clamping Stroke	mm	430			480			540			550		
	Space Between Tie Bar	mm	420x420			470x470			530x530			580x580		
	Max.Mold Height	mm	460			530			560			600		
	Min.Mold Height	mm	160			200			220			250		
	Eject Stroke	mm	120			150			150			160		
	Eject Force	KN	34			34			67			67		
	No.Of Ejector Pins	Piece	5			5			9			9		
Others	Max.Pump Pressure	MPa	17.5			17.5			17.5			17.5		
	Pump Motor Power	KW	15/18.5			15/18.5			18.5/22			22/30		
	Heater Power	KW	10.1			10.9			14.3			17.1		
	Hopper Capacity	Kg	25			25			50			50		
	Oil Tank Capacity	L	300			350			400			550		
	Weight	T	4.1			4.8			6.3			8.2		

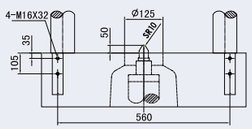


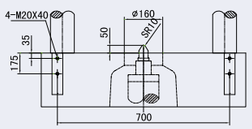


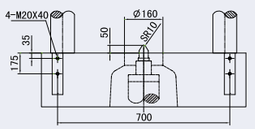


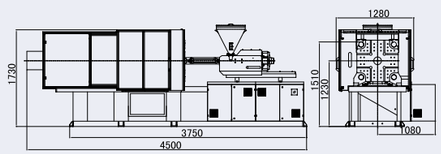


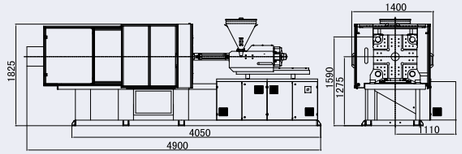


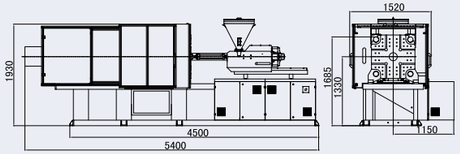


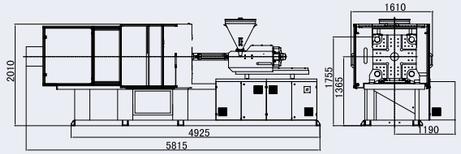








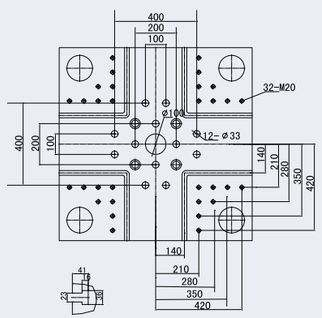


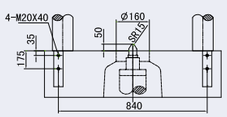


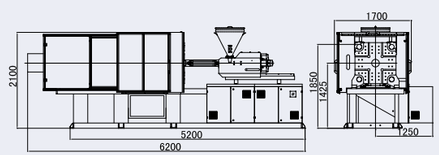
Due to continuous improvements, we reserve the right to amend any aspect of the above specifications without further notice. The above lists is for machine with servo motor system.
For machine with other motor system, the parameters may a little different. Please check with INVERA for the details.

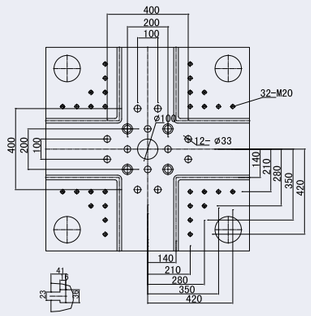
Parameter list

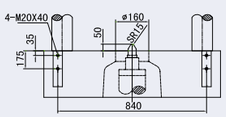
		Company	D300/1500			D350/1900			D400/2500			D450/3200		
			A	B	C	A	B	C	A	B	C	A	B	C
Injection Unit	Screw Diameter	mm	55	60	65	60	65	70	65	70	75	70	75	80
	Screw L/D Ratio	L/D	21.8	20.0	18.5	21.7	20.0	18.6	23.7	22.0	20.5	23.6	22.0	20.6
	Theoretical Shot Volume	cm^3	656	780	916	845	992	1151	1161	1347	1546	1515	1740	1979
	Injection Weight(Ps)	g	597	710	833	769	903	1047	1057	1226	1407	1379	1583	1801
	Injection Pressure	MPa	229.1	192.5	164.0	226.3	192.8	166.3	221.8	191.3	166.6	212.1	184.8	162.4
	Injection Rate Into Air	cm^3/s	219.0/275.0	260.6/327.3	305.9/384.1	278.4/317.1	326.7/372.1	378.9/431.6	284.0/323.5	329.4/375.2	378.2/430.7	338.2/412.5	388.3/473.5	441.8/538.7
	Injection Stroke	mm	276			299			350			394		
	Injection Speed	cm/s	9.2/11.6			9.9/11.2			8.6/9.8			8.8/10.7		
	Screw Speed	rpm	192/242			196/223			175/199			189/231		
Clamping Unit	Clamping Force	KN	3000			3500			4000			4500		
	Clamping Stroke	mm	650			690			750			800		
	Space Between Tie Bar	mm	630x630			680x680			730x730			780x780		
	Max.Mold Height	mm	650			700			750			780		
	Min.Mold Height	mm	250			280			280			300		
	Eject Stroke	mm	160			160			200			200		
	Eject Force	KN	67			67			124			124		
	No.Of Ejector Pins	Piece	13			13			13			17		
Others	Max.Pump Pressure	MPa	17.5			17.5			17.5			17.5		
	Pump Motor Power	KW	30/33.5			33.5/37			33.5/37			37/45		
	Heater Power	KW	19.3			29.7			29.7			31.5		
	Hopper Capacity	Kg	50			50			50			50		
	Oil Tank Capacity	L	700			750			800			850		
	Weight	T	9.8			12			13.6			16.5		

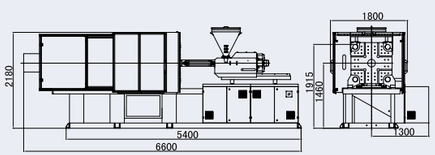


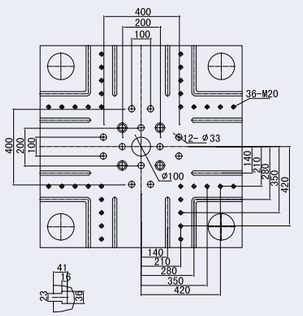


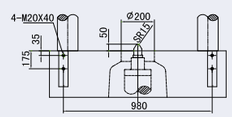


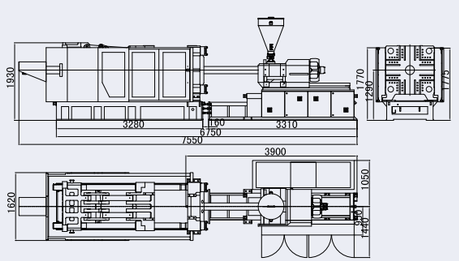


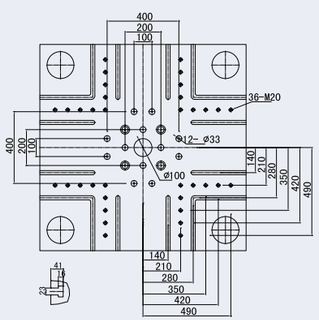


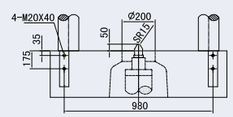


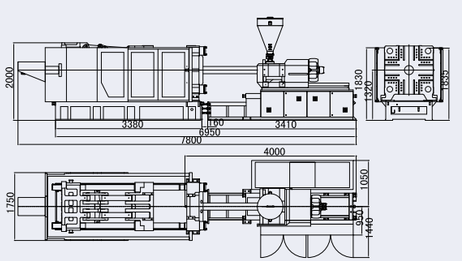






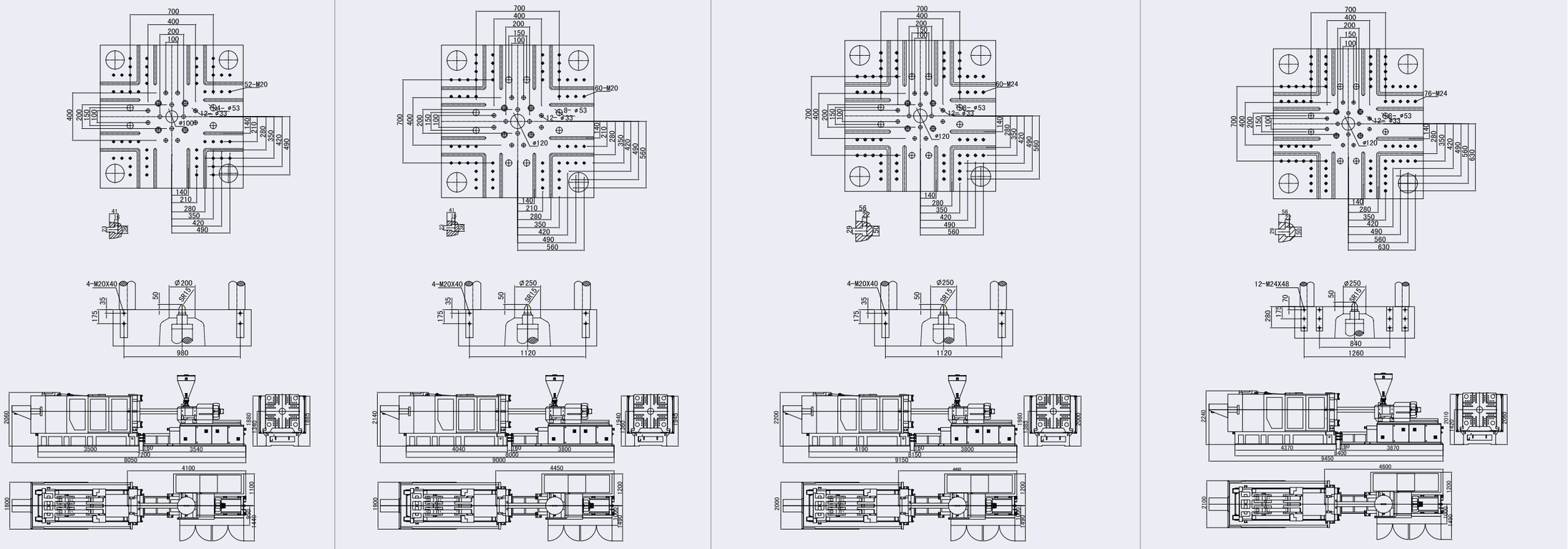






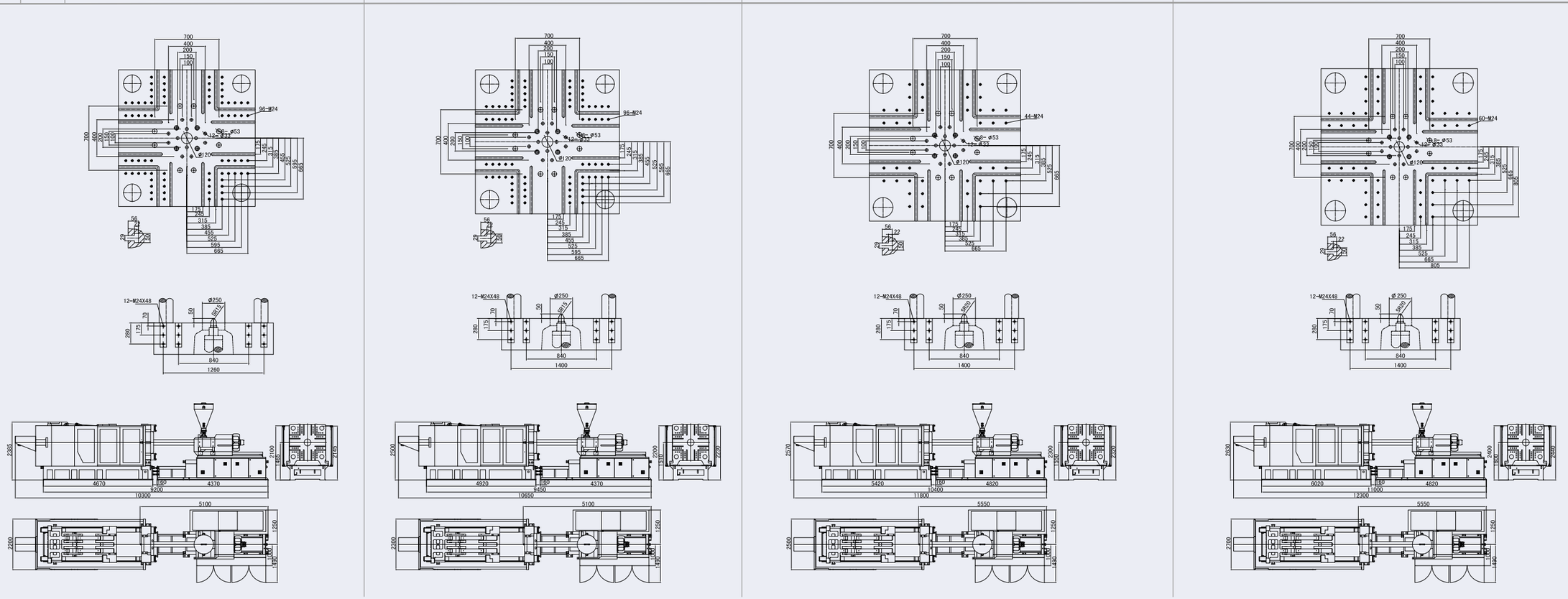
Parameter list

		Company	D500/3800			D600/4800			D650/4800			D700/5800		
			A	B	C	A	B	C	A	B	C	A	B	C
Injection Unit	Screw Diameter	mm	75	80	85	80	85	90	80	85	90	85	90	100
	Screw L/D Ratio	L/D	23.5	22.0	20.7	23.4	22.0	20.8	23.4	22.0	20.8	23.3	22.0	19.8
	Theoretical Shot Volume	cm^3	1785	2031	2292	2243	2532	2839	2243	2532	2839	2681	3006	3711
	Injection Weight(Ps)	g	1624	1848	2086	2041	2304	2583	2041	2304	2583	2440	2735	3377
	Injection Pressure	MPa	216.5	190.3	168.6	220.4	195.2	174.1	220.4	195.2	174.1	217.0	193.6	156.8
	Injection Rate Into Air	cm^3/s	404.1/433.7	459.8/493.5	519.0/557.1	426.1/518.8	481.1/585.6	539.3/656.6	426.1/518.8	481.1/585.6	539.3/656.6	526.8/564.5	590.6/632.8	729.2/781.3
	Injection Stroke	mm	404			446			446			473		
	Injection Speed	cm/s	9.2/9.8			8.5/10.3			8.5/10.3			9.3/10.0		
	Screw Speed	rpm	165/178			158/193			158/193			128/137		
Clamping Unit	Clamping Force	KN	5000			6000			6500			7000		
	Clamping Stroke	mm	840			900			940			980		
	Space Between Tie Bar	mm	820x820			880x880			920x920			960x960		
	Max.Mold Height	mm	800			900			940			980		
	Min.Mold Height	mm	320			400			400			400		
	Eject Stroke	mm	200			260			260			260		
	Eject Force	KN	124			182			182			182		
	No.Of Ejector Pins	Piece	17			21			21			21		
Others	Max.Pump Pressure	MPa	17.5			17.5			17.5			17.5		
	Pump Motor Power	KW	45/55			55/60			55/60			60/62.5		
	Heater Power	KW	33.0			45.5			45.5			56.7		
	Hopper Capacity	Kg	50			100			100			150		
	Oil Tank Capacity	L	900			1050			1050			1400		
	Weight	T	20			25			27			32		



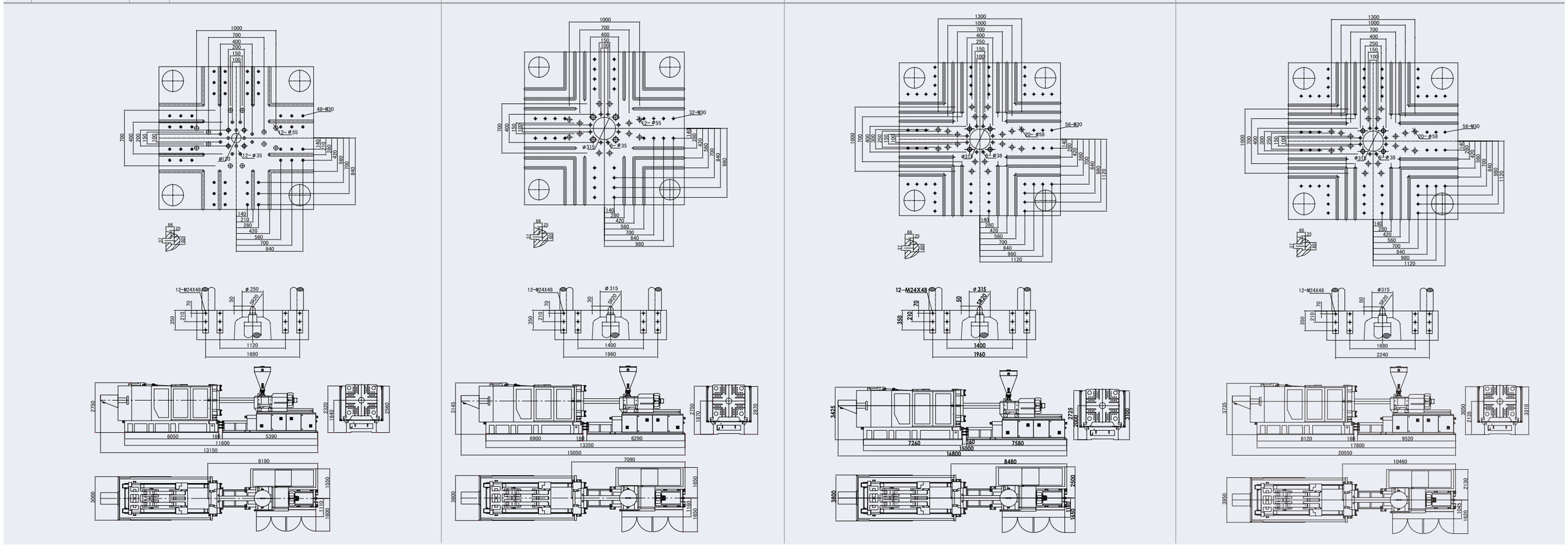
Parameter list

		Company	D800/7500			D900/7500			D1050/9500				D1250/9500			
			A	B	C	A	B	C	A	B	C	D	A	B	C	D
Injection Unit	Screw Diameter	mm	90	100	110	90	100	110	100	110	120	130	100	110	120	130
	Screw L/D Ratio	L/D	24.4	22.0	20.0	24.4	22.0	20.0	24.2	22.0	20.2	18.6	24.2	22.0	20.2	18.6
	Theoretical Shot Volume	cm^3	3276	4045	4894	3276	4045	4894	4320	5227	6220	7300	4320	5227	6220	7300
	Injection Weight(Ps)	g	2981	3681	4454	2981	3681	4454	3931	4756	5661	6643	3931	4756	5661	6643
	Injection Pressure	MPa	231.1	187.2	154.7	231.1	187.2	154.7	220.2	181.9	152.9	130.3	220.2	181.9	152.9	130.3
	Injection Rate Into Air	cm^3/s	568.0/623.6	701.3/769.8	848.5/931.5	568.0/623.6	701.3/769.8	848.5/931.5	654.5/794.9	791.9/961.8	942.4/1144.7	1106.1/1343.4	654.5/794.9	791.9/961.8	942.4/1144.7	1106.1/1343.4
	Injection Stroke	mm	515			515			550				550			
	Injection Speed	cm/s	8.9/9.8			8.9/9.8			8.3/10.1				8.3/10.1			
	Screw Speed	rpm	108/119			108/119			91/110				91/110			
Clamping Unit	Clamping Force	KN	8000			9000			10500				12500			
	Clamping Stroke	mm	1050			1130			1230				1300			
	Space Between Tie Bar	mm	1020x1020			1080x1080			1160x1160				1260x1260			
	Max.Mold Height	mm	1020			1100			1160				1260			
	Min.Mold Height	mm	450			500			500				550			
	Eject Stroke	mm	300			300			350				350			
	Eject Force	KN	182			182			269				269			
	No.Of Ejector Pins	Piece	21			21			21				21			
Others	Max.Pump Pressure	MPa	17.5			17.5			17.5				17.5			
	Pump Motor Power	KW	66/75			66/75			75/88				75/88			
	Heater Power	KW	69.2			69.2			75.8				75.8			
	Hopper Capacity	Kg	150			150			200				200			
	Oil Tank Capacity	L	1400			1400			1700				1700			
	Weight	T	46			49			55				63			



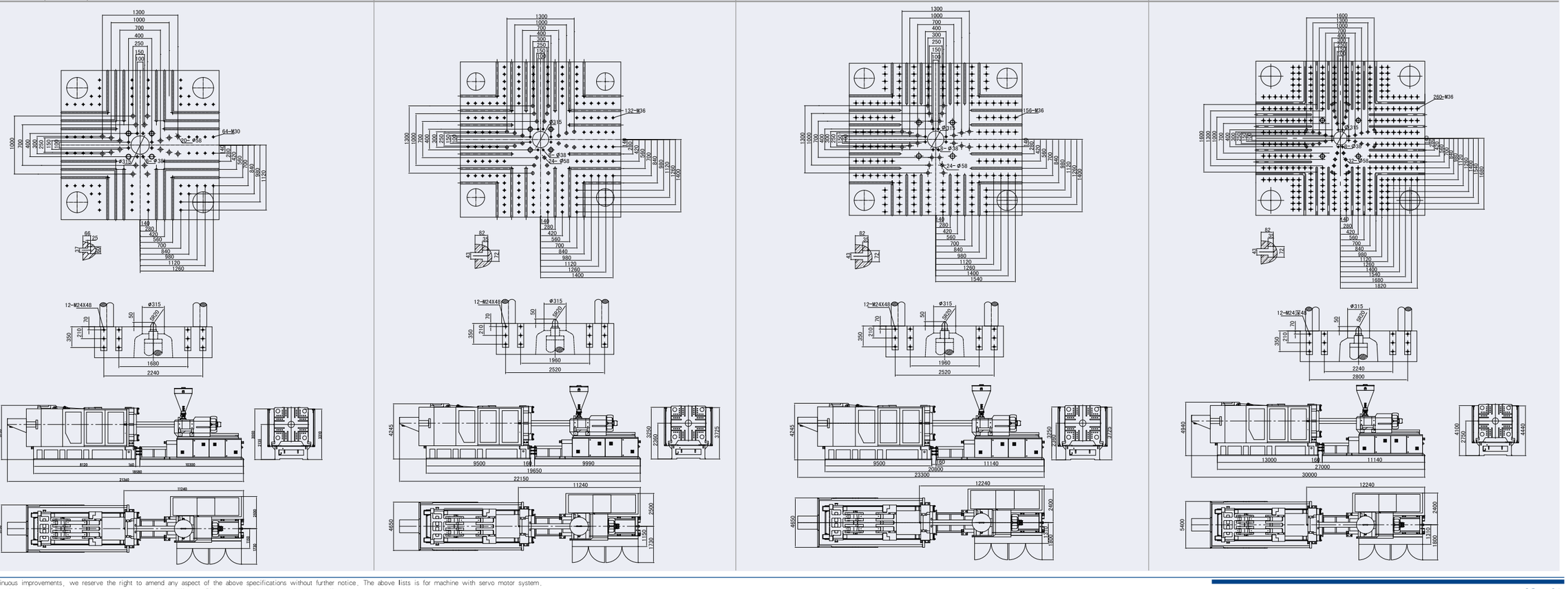
Parameter list

		Company	D1500/13500				D1800/17800				D2200/25000				D2800/54000			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Injection Unit	Screw Diameter	mm	120	130	140	150	130	140	150	160	150	160	170	185	190	200	210	220
	Screw L/D Ratio	L/D	23.8	22.0	20.4	19.1	23.7	22.0	20.5	19.3	23.5	22.0	20.7	19.0	23.2	22.0	21.0	20.0
	Theoretical Shot Volume	cm^3	6775	7951	9221	10585	9145	10606	12176	13853	13943	15864	17909	21209	32577	36097	39797	43677
	Injection Weight(Ps)	g	6165	7235	8391	9633	8322	9652	11080	12606	12688	14436	16297	19300	29645	32848	36215	39746
	Injection Pressure	MPa	195.6	166.6	143.7	125.2	194.8	168.0	146.3	128.6	173.4	152.4	135.0	114.0	167.1	150.8	136.8	124.6
	Injection Rate Into Air	cm^3/s	878.2	1030.6	1195.3	1372.2	1026.5	1190.5	1366.6	1554.9	1384.3	1575.1	1778.1	2105.7	1915.1	2122.0	2339.5	2567.6
	Injection Stroke	mm	599				689				789				1149			
	Injection Speed	cm/s	7.8				7.7				7.8				6.8			
	Screw Speed	rpm	95				91				78				55			
Clamping Unit	Clamping Force	KN	15000				18000				22000				28000			
	Clamping Stroke	mm	1520				1700				1700				2050			
	Space Between Tie Bar	mm	1460x1360				1660x1520				1750x1620				1900x1750			
	Max.Mold Height	mm	1400				1560				1600				1900			
	Min.Mold Height	mm	650				700				700				1000			
	Eject Stroke	mm	350				400				400				470			
	Eject Force	KN	282				407				502				554			
	No.Of Ejector Pins	Piece	25				25				29				29			
Others	Max.Pump Pressure	MPa	16				16				16				16			
	Pump Motor Power	KW	96				110				132				176			
	Heater Power	KW	84.7				93.0				102.0				181.0			
	Hopper Capacity	Kg	200				200				200				400			
	Oil Tank Capacity	L	2500				4200				4200				4500			
	Weight	T	69				118				136				210			



Parameter list

		Company	D2800/66600				D3300/66600				D4000/91600				D6000/91600			
			A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
Injection Unit	Screw Diameter	mm	200	210	220	230	200	210	220	230	230	240	250	260	230	240	250	260
	Screw L/D Ratio	L/D	23.1	22.0	21.0	20.1	23.1	22.0	21.0	20.1	23.0	22.0	21.1	20.3	23.0	22.0	21.1	20.3
	Theoretical Shot Volume	cm^3	39552	43606	47858	52308	39552	43606	47858	52308	53139	57861	62783	67906	53139	57861	62783	67906
	Injection Weight(Ps)	g	35992	39681	43551	47601	35992	39681	43551	47601	48357	52653	57132	61794	48357	52653	57132	61794
	Injection Pressure	MPa	171.1	155.2	141.4	129.4	171.1	155.2	141.4	129.4	172.3	158.3	145.9	134.9	172.3	158.3	145.9	134.9
	Injection Rate Into Air	cm^3/s	1870.0	2061.7	2262.7	2473.1	1870.0	2061.7	2262.7	2473.1	2785.2	3032.6	3290.6	3559.1	2785.2	3032.6	3290.6	3559.1
	Injection Stroke	mm	1259				1259				1279				1279			
	Injection Speed	cm/s	6.0				6.0				6.7				6.7			
	Screw Speed	rpm	55				55				68				68			
Clamping Unit	Clamping Force	KN	28000				33000				40000				60000			
	Clamping Stroke	mm	2050				2255				2255				2750			
	Space Between Tie Bar	mm	1900x1750				2400x2200				2400x2200				2850x2500			
	Max.Mold Height	mm	1900				2200				2200				4000			
	Min.Mold Height	mm	1000				1000				1000				1600			
	Eject Stroke	mm	470				560				560				600			
	Eject Force	KN	554				565				565				793			
	No.Of Ejector Pins	Piece	29				33				33				41			
Others	Max.Pump Pressure	MPa	16				16				16				16			
	Pump Motor Power	KW	176				176				264				264			
	Heater Power	KW	181.0				181.0				255.0				255.0			
	Hopper Capacity	Kg	400				400				400				400			
	Oil Tank Capacity	L	4500				4500				7000				7000			
	Weight	T	210				295				325				600			



Components & functions list

Match list of clamping force and injection international size

Clamping force / International injection size	i100	i150	i210	i380	i510	i600	i850	i1100	i1500	i1900	i2500	i3200	i3800	i4800	i5800	i7500	i9500	i13500	i17800	i25000	i54000	i66600	i91600
D45	●	○																					
D60	○	●	○																				
D80		○	●	○																			
D100			○	●	○																		
D130				○	●	○																	
D160					○	●	○																
D200						○	●	○															
D250							○	●	○														
D300								○	●	○													
D350									○	●	○												
D400										○	●	○											
D450											○	●	○										
D500												○	●	○									
D600													○	●	○								
D650													○	●	○								
D700														○	●	○							
D800															○	●	○						
D900															○	●	○						
D1050																○	●	○					
D1250																○	●	○					
D1500																	○	●	○				
D1800																		○	●	○			
D2200																			○	●	○		
D2800																				○	●	○	
D3300																					○	●	
D4000																						○	●
D6000																						○	●

● standard ○ Optional

Components & Functions list---for Injection Unit

Function description / Injection unit	i100-850	i1100-1900	i2500-5800	i7500-9500	i13500-91600
Standard screw	●	●	●	●	●
Special screw	○	○	○	○	○
Shut off nozzle	○	○	○	○	○
Two parallel injection cylinders	●	●	●	●	●
Two carriage cylinders		●	●	●	●
Transducer control for carriage unit	◐	●	●	●	●
Screw RPM display	●	●	●	●	●
Plasticizing with hydraulic motor	●	●	●	●	●
Plasticizing with back pressure control	◐	●	●	●	●
Temp-monitoring for Material feed-throat	○	○	○	○	○
Nozzle shielded cover	◐	●	●	●	●
Barrel insulated	◐	●	●	●	●
Auto-lock valve for carriage forward	◐	●	●	●	●
Barrel supporting device				●	●
Injection carriage revolve device			○	○	●
Material loading platform			○	○	●
Carriage central lubrication device	○	○	●	●	●
Carriage central auto lubrication device	○	○	○	○	○
Standard heater band	●	●	●	●	
Ceramic heater band	○	○	○	○	●
Plasticizing with Servo motor	○	○			
Screw rod feeding-type hopper	○	○	○	○	
Gas assisted injection interface	○	○	○	○	○
Micro foam forming molding	○	○	○		
Hopper dryer	○	○	○	○	○
Stainless hopper	●	●	●		

● standard ◐ Economic type selection ○ Optional

Components & functions List for Special machine.

	Standard	Optional
PET series	L/D ratio > 24.0	With bigger motor system
	Bigger eject force	Plasticizing while mould opens
	Two air blow valves	Damp-proof design
PVC series	Special Plasticizing unit for PVC	
	Air cooling fans for Temp control	
	Widened safety door	
	Two groups of core pullings	
	Bigger Plasticizing motor	
	Core pulling hose	
Thermosetting series	Special Plasticizing unit for thermosetting	
	Mould insulated device	
	Oil heating & temp control device for barrel	
	Mould auto-heating interface	
	Gas relief function	

Components & Functions list---For Clamping unit

Function description / Clamping unit	D45-250	D300-450	D500-600	D650-1050	D1250-6000
Screw hole	○	○	○	○	○
T slot	●	●	●	●	●
Platen(Euro 2 mould install dimension)	○	○	○	○	○
High rigid 5 points clamping unit.	●	●	●	●	●
Mechnical and electrical safety	●	●	●	●	●
Hydraulic safety	◐	●	●	●	●
Hydraulic motor for mould height adjusting	●	●	●	●	●
Auto- mould height adjusting function	●	●	●	●	●
Clamping & mould open control with transducer.	●	●	●	●	●
Fix-quantity type Auto central lubrication system			●	●	●
Auto-monitoring central lubrication system	●	●			
Adjustable support for moving platen	●	●	●		
Self-adjust hydraulic support for moving platen				●	●
High rigid steel slide tape for moving platen	●	●	●		
High rigid steel slide plate for moving platen				●	●
Top safety cover for clamping unit	◐	○			
Auto safety door	○	○	○	○	●
EURO 18 robot install position.	●	●	●	●	●
Mechanical limit switch for moving platen	○	○	○	○	○
Magnetic Platen	○	○	○	○	○
Hydraulic/electrical mould unscrew device	○	○	○	○	○
Mould hanger	○				
Widened door and covers	○	○	○	○	○
Safety pad under mould open/close area			○	○	●
One group of water regulators	●	●	○	○	○
Two groups of water regulators	○	○	●	●	●
Quick coupling for water regulator	○	○	○	○	○
Fixed platen, moving platen air blow valve	◐	●	●	●	●
Glass cooling water flowmeter	○	○	○	○	○
Self-lock valve for mould height adjust	◐	●	●	●	●

● standard ◐ Economic type selection ○ Optional

Components & functions list

Components & Functions list---for Hydraulic

Function description / Clamping unit	i100-850	i1100-9500	i13500-17800	i25000-91600
Servo motor	●	●	●	●
Variable pump	○	○	○	○
Fixed pump	○	○	○	○
Electronic variable pump	○	○	○	○
With bigger oil pump and bigger motor	○	○	○	○
Sequence injection valve control for injection	○	○	○	○
Quick injection with accumulator system	○	○	○	○
Servo valve injection control	○	○	○	
Fully accumulator control	○	○		
Oil level alarm	◐	●	●	●
Self-lock suction oil filter	◐	●	●	●
Cooling valve	○	○	○	○
Function description / Clamping unit	**D45-250**	**D300-1250**	**D1600-1800**	**D2200-6000**
Two group of core pullings(for moving platen)	◐	●	●	
Three group of core pullings(for moving platen)	○	○	○	
Four group of core pullings(2 for moving platen,2 for fixed platen)	○	○	○	
Quick clamping differential device	◐	●	●	●
Eject while mould open (eject without proportional control)	○	○	○	●
Eject while mould open (eject with proportional control)	○	○	○	○
Plasticizing while mould open (Plasticizing without proportional control)	○	○	○	○
Plasticizing while mould open (Plasticizing with proportional control)	○	○	○	○
Plasticizing & eject while mould open (with proportional control)	○	○	○	○
Proportional control for clamping and mould open	○	○		
Close loop control for clamping and mould open	○	○		
Close loop control for eject	○	○	○	○

● standard ◐ Economic type selection ○ Optional

Standard Components & Functions list---for electrical

Function description / Injection unit	i100-1900	i2500-4800	i5800-91600
B/R Controller	●	●	●
Gefran Controller	○	○	○
200 groups mould parameter memory	●	●	●
All action instant monitoring function	●	●	●
Production monitoring function	●	●	●
Failure & alarm display function	●	●	●
Do injection via Injection pressure	○	○	○
I/O monitoring interface	●	●	●
3 color light (with alarm)	●	●	●
Electrical motor overload protection	●	●	●
Front/back door Emergency stop switch	●	●	●
16A/5 pins single phase socket, one group	●		
380V/16A 5 pins socket, two groups 220V/16A 5 pins three phase socket, one groups	○	●	
380V/32A 5 pins socket, two groups 380V/16A 5 pins socket, one groups 220V/16A three phase socket, one group	○	○	●
Transformor for motor system	○	○	○
Power-saving with inverter	○	○	○
EURO 12 robot interface	○	○	○
EURO 67 robot interface	○	○	○
Double protection for heating	●	●	●
SSR Monitoring	◐	●	●
SSR heating control	●	●	●
Central network control system	○	○	○
Hot runner control system & interface	○	○	○
Instant Power consumption display	○	○	○
Instant clamping force display	○	○	○

● standard ◐ Economic type selection ○ Optional

Components list---for other functions

Function description / Clamping unit	D45-600	D650-1050	D1250-6000
INVERA standard color	●	●	●
Shock-proof pad	●	●	
Foundation steel plate, Foundation anchor bolts			●
Spare parts box, tools, mould clamps, easy broken parts, extended nozzle, operation manual.	●	●	●
Special color	○	○	○
Higher base	○	○	○
Robot	○	○	○
Magnetic stand for hopper	○	○	○
Water chiller	○	○	○
Mould temp controller	○	○	○
Dehumidifier	○	○	○
Autoloader	○	○	○
Fumigate wood packaging	○	○	○
With full-tank hydraulic oil	○	○	○
Products fetching platform	○	○	○

● standard ◐ Economic type selection ○ Optional

DREAM SERIES

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TÜV CE CAS ISO9001

The machine photos just for reference not be strictly same with the selling machines.