DKM®
— Dakumar Machinery —

DKM200-1300HH High Speed Injection Molding Machine

HIGH PRECISION INJECTION (controller & structure)

- Configure European advanced controller, to precisely control the temperature and location.
- In hydraulic unit, configure precision servo-valve, it runs with high precision, and response faster.
- In injection unit, DKM 200HH to 600HH configures linear slider avoids the barrel drop down and ensures the injection stable and precise; DKM 800HH to 1300HH applies guide pillar design for good load bearing.
- High rigidity clamping mechanism platen for even clamping.
- Screw L/D=22-24, and screw with double thread mixing, that ensure full material mixture.

HIGH SPEED (high-speed response accumulator)

- Machine adopts high precision single cylinder injection system, especially suitable for high speed injection, with low-inertia and high response speed.
- Machine adopts accumulator to realize high speed injection, the max injection speed can reach 300-600 mm/sec (according to different machine model).
- Machine ACC/DEC response time can reach 30 ms.

HIGH EFFICIENCY (clamping unit)

- Toggle with optimized design, perfect combination of speed and force, it is 10%-20% faster.
- With servo-motor for material charging, compared with hydraulic motor, it can save energy consumption and control the position more precisely at the same time.
- Standard machine can realize material charging, mould opening and ejector at the same time, saving cycle time.

HIGH SAFETY (hydraulic unit)

- Mechanical, hydraulic, electrical triple protection.
- Security module independent control, it ensures safe machine closing, injection, charging, nozzle forward to machine to avoid any accident.
- Concealed mechanical safety structure for high security.
- Fully closed machine frame.

HIGH ENERGY SAVING (injection unit)

- With high-response servo system, machine runs according to actual need, no overflow or waste, saving power 30%-70%.
- Optional infrared Nano heating ring, less heat dissipation, more energy saving.

DKM provides a new conception of injection molding…

5H hybrid high speed injection molding machine

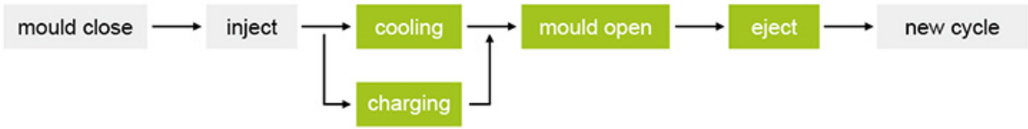
The machine is designed with accumulator to realize high speed injection. Besides, it has the function of three-parallel lines to realize material charging, mould opening and ejection at the same time.
Main application: IML thin-wall containers, such as ice cream cup or box, yogurt box, disposable lunch container, etc. (4-cavity 0.38mm thickness ice cream box molding with cycle 2.9s.)

5H hybrid hi-precision injection molding machine

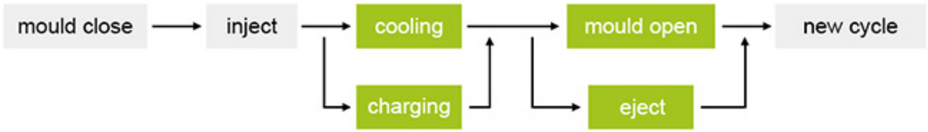
Machine is applied with KEBA control system and Rexroth valve, it can control each shot precisely on weight and position, injection speed can reach 500 mm/sec. Molding tolerance is very small to get high precision molding.
Main application: electronic parts, such as mobile phone cover, plastic mechanical gear, LED light, etc.

INJECTION MOLDING CYCLE COMPARISON

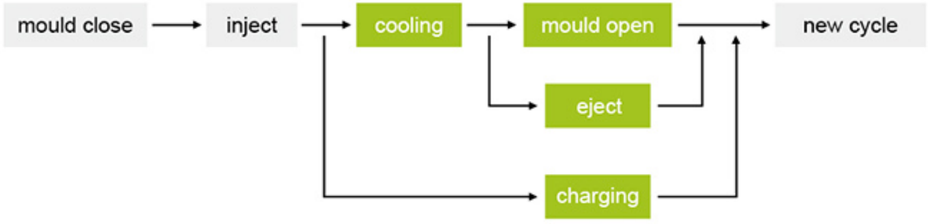
Normal injection machine's production cycle

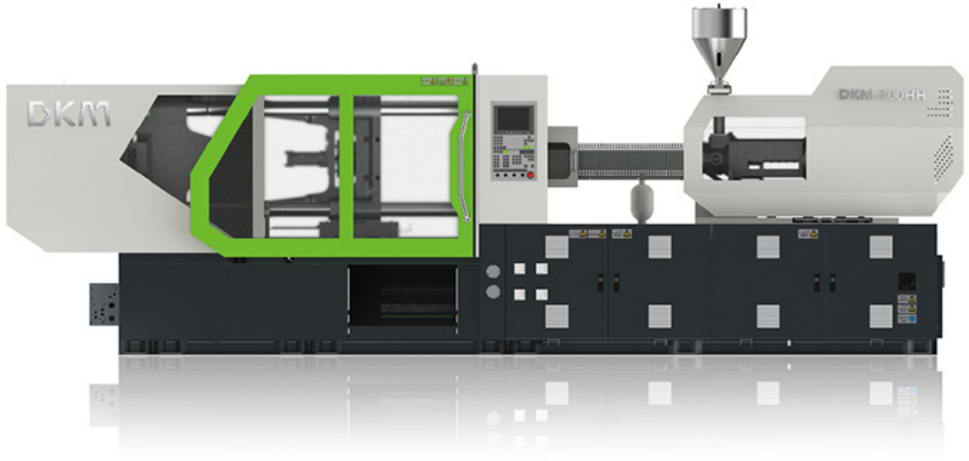


Two-parallel actions injection machine's production cycle (DKM-DH, DKM-SH)



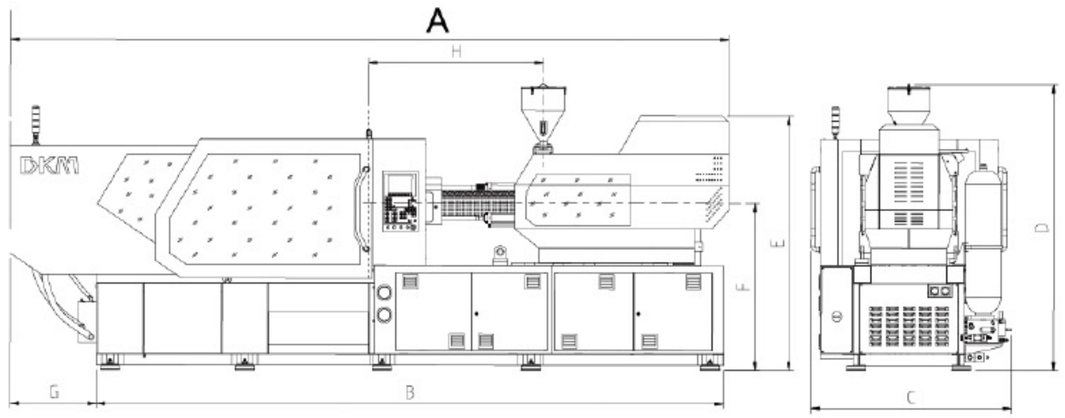
Three-parallel actions injection machine's production cycle (DKM-HH, DKM-EH)





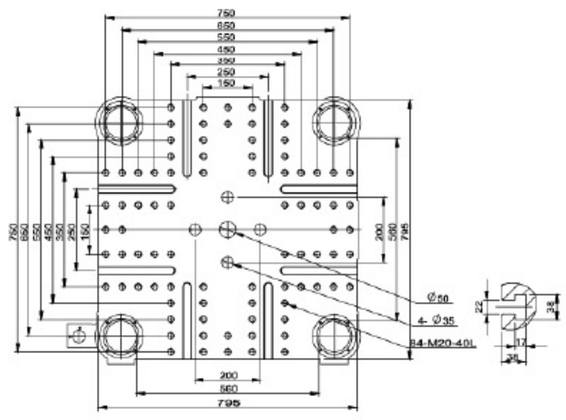
HI-SPEED INJECTION MOLDING MACHINE		DKM-200H/200HH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	Φ42	Φ48	Φ54
Screw L/D Ratio	L/D	24	24	24
Theoretical Shot Volume	cm^3	332	434	549
Injection Weight (PS)	gram	297	387	490
Injection Pressure	MPa	253	193	153
Injection Speed	mm/s	600		
Injection Rate	cm^3/sec	554	723	916
Plasticizing Rate (PS)	g/s	16.4	22.6	29
Screw Rotate Speed	rpm	0-200		
CLAMPING UNIT				
Clamp Force	kN	2000		
Toggle Stroke	mm	490		
Space Between Tie Bars	mm	560*560		
Max. Mold Height	mm	600		
Min. Mold Height	mm	200		
Min.Mould Size	mm	400*400		
Ejector Stroke	mm	140		
Ejector Force	kN	61		
Ejector Number	n	5		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	2×28.7/2×28.7+26.4		
Heater Power	kW	16		
Machine Dimension (LxWxH)	m	6.1*1.75*2.4		
Machine Weight	tons	8		
Oil Tank Capacity	Litre	420		

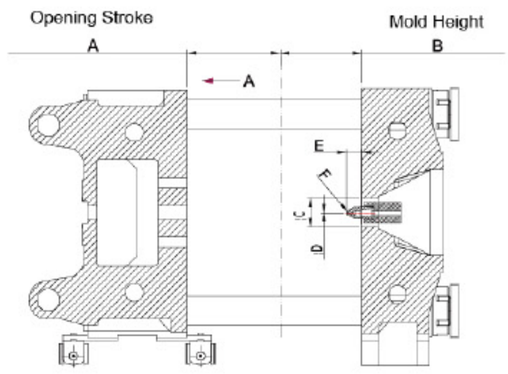
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-200H DKM-200HP	DKM-200HH DKM-200HHP	6100	5330	1750	2400	2000	1390	680	1480

MOLD PLATEN DRAWING

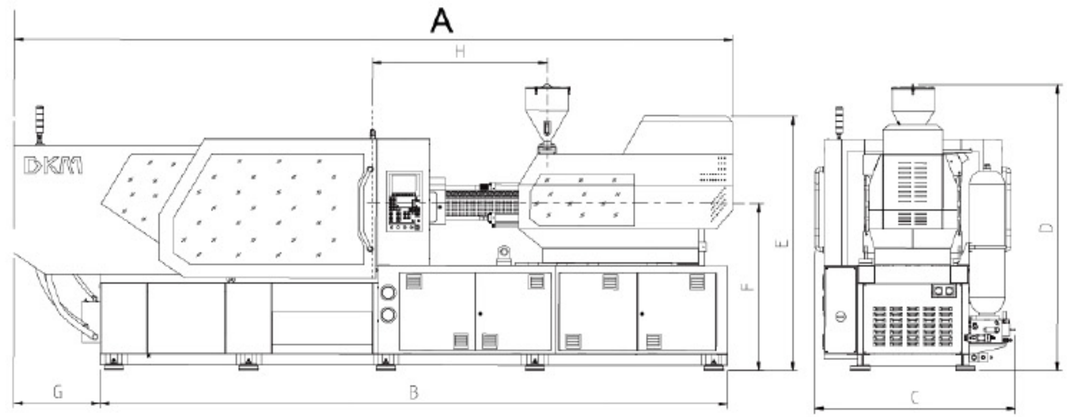




MODEL	DKM-200H
A	490
B	200-600
C	125
D	Φ3.5
E	50
F	SR10

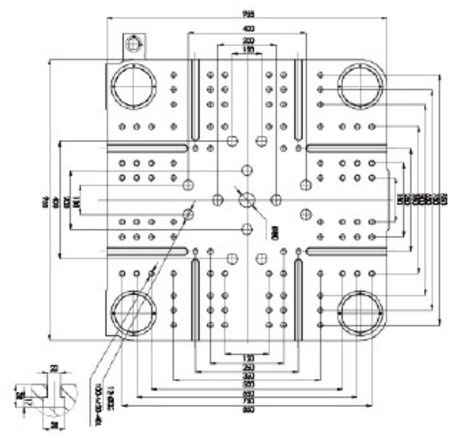
HI-SPEED INJECTION MOLDING MACHINE		DKM-300H/300HH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	Φ50	Φ55	Φ62
Screw L/D Ratio	L/D	24	24	24
Theoretical Shot Volume	cm^3	559	677	860
Injection Weight (PS)	gram	499	604	768
Injection Pressure	MPa	265	219	172
Injection Speed	mm/s	500		
Injection Rate	cm^3/sec	687	831	1056
Plasticizing Rate (PS)	g/s	24	29.6	35
Screw Rotate Speed	rpm	0-200		
CLAMPING UNIT				
Clamp Force	kN	3000		
Toggle Stroke	mm	560		
Space Between Tie Bars	mm	660*660		
Max. Mold Height	mm	640		
Min. Mold Height	mm	220		
Min.Mould Size	mm	460*460		
Ejector Stroke	mm	165		
Ejector Force	kN	79		
Ejector Number	n	13		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	39.4+28.7/39.4+28.7+41.6		
Heater Power	kW	24		
Machine Dimension (LxWxH)	m	6.9*1.87*2.45		
Machine Weight	tons	12		
Oil Tank Capacity	Litre	520		

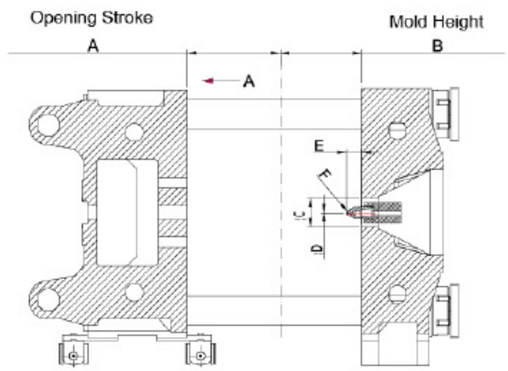
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-300H DKM-300HP	DKM-300HH DKM-300HHP	6900	6150	1870	2450	2120	1430	700	1840

MOLD PLATEN DRAWING

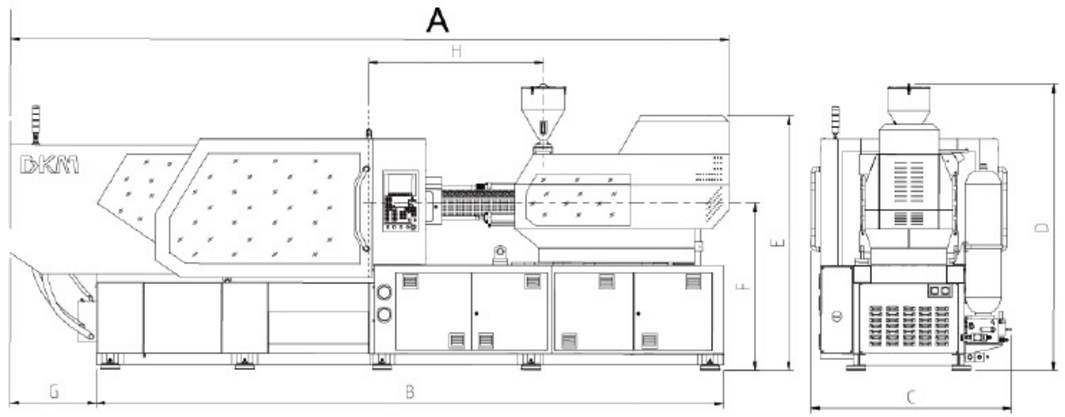




MODEL	DKM-300H
A	560
B	220-640
C	125
D	Φ3.5
E	50
F	SR10

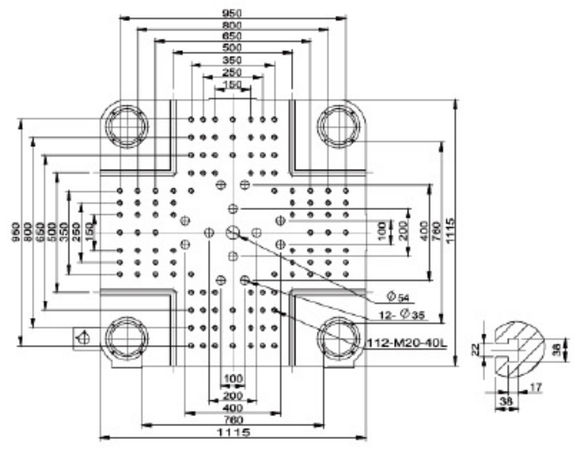
HI-SPEED INJECTION MOLDING MACHINE		DKM-400H/400HH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	Φ60	Φ65	Φ72
Screw L/D Ratio	L/D	24	24	24
Theoretical Shot Volume	cm^3	890	1045	1282
Injection Weight (PS)	gram	794	932	1144
Injection Pressure	MPa	243	200	163
Injection Speed	mm/s	400		
Injection Rate	cm^3/sec	848	995	1121
Plasticizing Rate (PS)	g/s	33.7	38.2	46.4
Screw Rotate Speed	rpm	0-200		
CLAMPING UNIT				
Clamp Force	kN	4000		
Toggle Stroke	mm	700		
Space Between Tie Bars	mm	760*760		
Max. Mold Height	mm	760		
Min. Mold Height	mm	250		
Min.Mould Size	mm	530*530		
Ejector Stroke	mm	195		
Ejector Force	kN	125		
Ejector Number	n	13		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	60+28.7/60+28.7+52.4		
Heater Power	kW	25		
Machine Dimension (LxWxH)	m	8.1*2.2*2.6		
Machine Weight	tons	18		
Oil Tank Capacity	Litre	720		

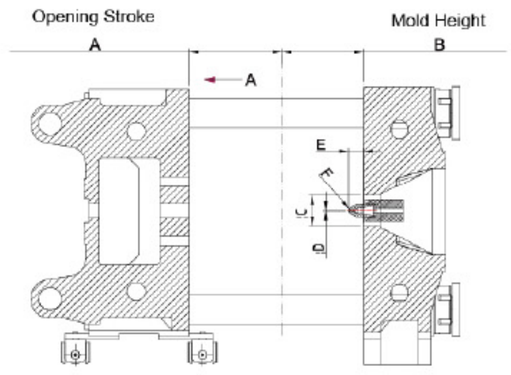
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-400H DKM-400HP	DKM-400HH DKM-400HHP	8100	6950	2200	2600	2056	1450	965	1966

MOLD PLATEN DRAWING

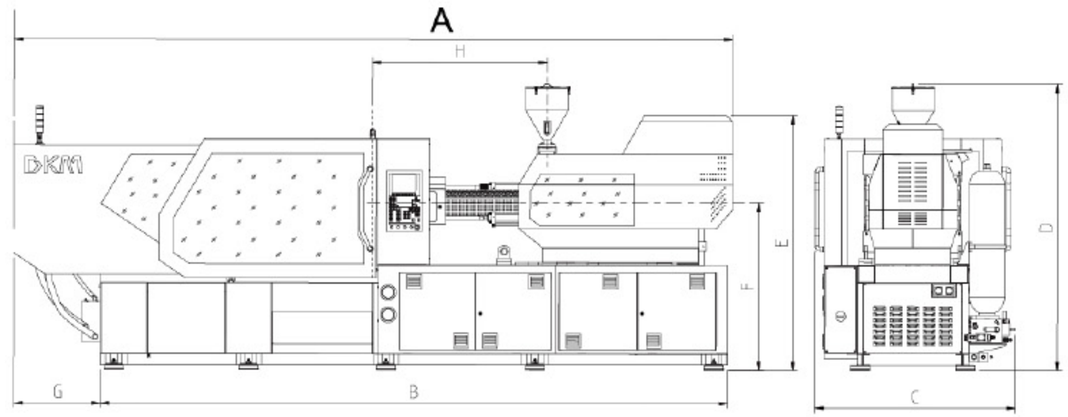




MODEL	DKM-400H
A	700
B	250-760
C	150
D	Φ5
E	50
F	SR15

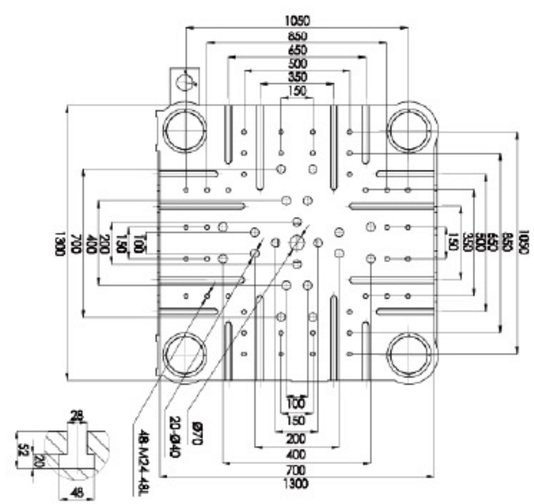
HI-SPEED INJECTION MOLDING MACHINE		DKM-600H/600HH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	Φ60	Φ65	Φ72
Screw L/D Ratio	L/D	24	24	24
Theoretical Shot Volume	cm3	890	1045	1282
Injection Weight (PS)	gram	794	932	1144
Injection Pressure	MPa	234	200	163
Injection Speed	mm/s	400		
Injection Rate	cm^3/sec	848	995	1121
Plasticizing Rate (PS)	g/s	33.7	38.2	46.4
Screw Rotate Speed	rpm	0-200		
CLAMPING UNIT				
Clamp Force	kN	6000		
Toggle Stroke	mm	900		
Space Between Tie Bars	mm	900*900		
Max. Mold Height	mm	1000		
Min. Mold Height	mm	300		
Min.Mould Size	mm	630*630		
Ejector Stroke	mm	240		
Ejector Force	kN	210		
Ejector Number	n	21		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	107.8/161.6		
Heater Power	kW	31.6		
Machine Dimension (LxWxH)	m	10.5*2.3*2.6		
Machine Weight	tons	25.5		
Oil Tank Capacity	Litre	1200		

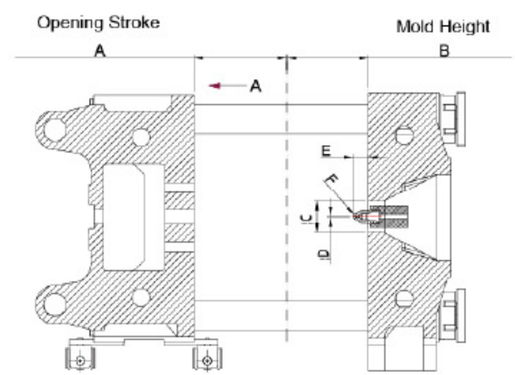
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-600H DKM-600HP	DKM-600HH DKM-600HHP	10500	8513	2300	2600	2150	1550	1443	1966

MOLD PLATEN DRAWING

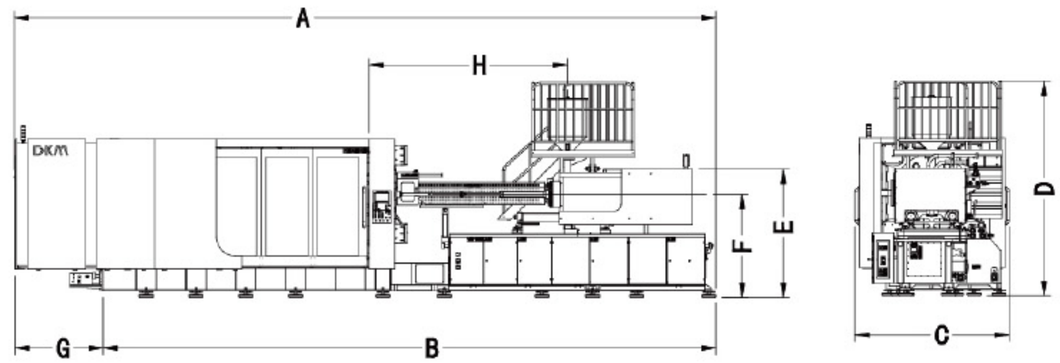




MODEL	DKM-600H
A	900
B	300-1000
C	200
D	Φ5
E	50
F	SR15

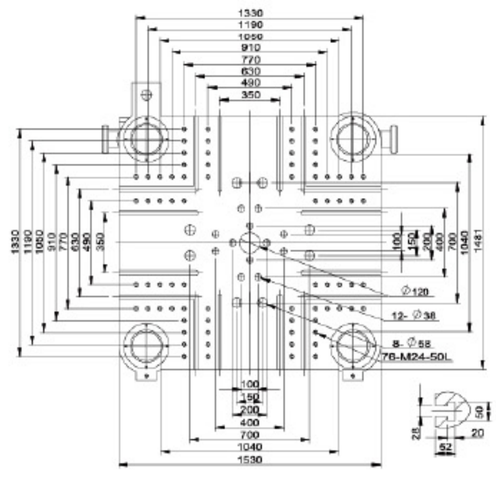
HI-SPEED INJECTION MOLDING MACHINE		DKM-800H/800HH			
SCREW TYPE		A	B	C	D
INJECTION UNIT					
Screw Diameter	mm	Φ90	Φ95	Φ100	Φ110
Screw L/D Ratio	L/D	24.8	23.6	22.4	20.4
Theoretical Shot Volume	cm^3	2988	3330	3690	4464
Injection Weight (PS)	gram	2690	2997	3321	4018
Injection Pressure	MPa	207	185	167	137
Injection Speed	mm/s	100			
Injection Rate	cm^3/sec	585	650	720	830
Plasticizing Rate (PS)	g/s	71.8	78.2	86.5	104
Screw Rotate Speed	rpm	0-200			
CLAMPING UNIT					
Clamp Force	kN	8000			
Toggle Stroke	mm	1040			
Space Between Tie Bars	mm	1040*1040			
Max. Mold Height	mm	1040			
Min. Mold Height	mm	420			
Min.Mould Size	mm	730*730			
Ejector Stroke	mm	300			
Ejector Force	kN	210			
Ejector Number	n	21			
OTHERS					
Max. Pump Pressure	Mpa	16			
Pump Motor Power	kW	200			
Heater Power	kW	55.3			
Machine Dimension (LxWxH)	m	10.8*2.3*3.2			
Machine Weight	tons	37			
Oil Tank Capacity	Litre	1000			

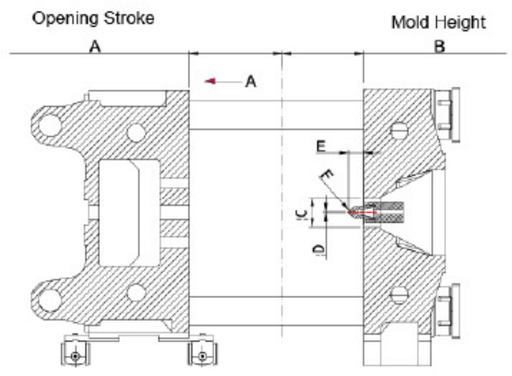
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-800H DKM-800HP	DKM-800HH DKM-800HHP	10800	9600	2300	3200	1900	1400	1020	2878

MOLD PLATEN DRAWING

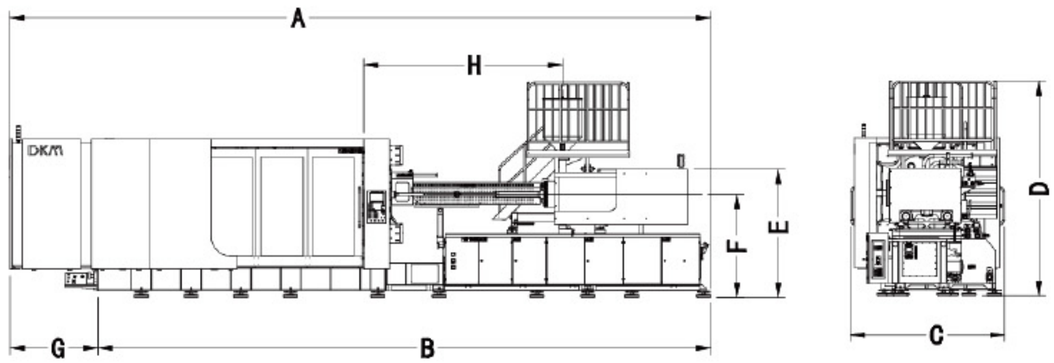




MODEL	DKM-800H
A	1040
B	420-1040
C	250
D	Φ5
E	50
F	SR15

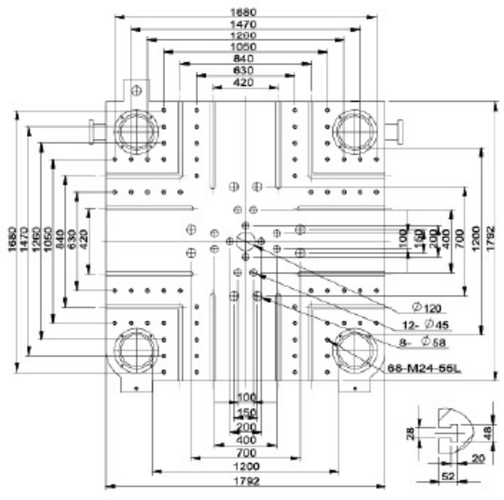
HI-SPEED INJECTION MOLDING MACHINE		DKM-1100H/1100HH			
SCREW TYPE		A	B	C	D
INJECTION UNIT					
Screw Diameter	mm	Φ100	Φ110	Φ120	Φ130
Screw L/D Ratio	L/D	26	24	22	20
Theoretical Shot Volume	cm^3	4710	5699	6782	7960
Injection Weight (PS)	gram	4239	5129	6104	7164
Injection Pressure	MPa	211	174	146	125
Injection Speed	mm/s	100			
Injection Rate	cm^3/sec	705	850	1015	1190
Plasticizing Rate (PS)	g/s	86.5	104	122	139
Screw Rotate Speed	rpm	0-200			
CLAMPING UNIT					
Clamp Force	kN	11000			
Toggle Stroke	mm	1280			
Space Between Tie Bars	mm	1200*1200			
Max. Mold Height	mm	1250			
Min. Mold Height	mm	500			
Min.Mould Size	mm	840*840			
Ejector Stroke	mm	350*350			
Ejector Force	kN	246			
Ejector Number	n	21			
OTHERS					
Max. Pump Pressure	Mpa	16			
Pump Motor Power	kW	270			
Heater Power	kW	72			
Machine Dimension (LxWxH)	m	12.8*2.5*2.8			
Machine Weight	tons	55			
Oil Tank Capacity	Litre	1200			

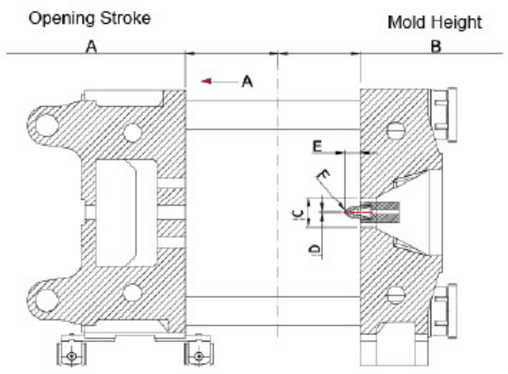
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-1100H DKM-1100HP	DKM-1100HH DKM-1100HHP	12800	10300	2500	2800	3650	1650	1750	2920

MOLD PLATEN DRAWING

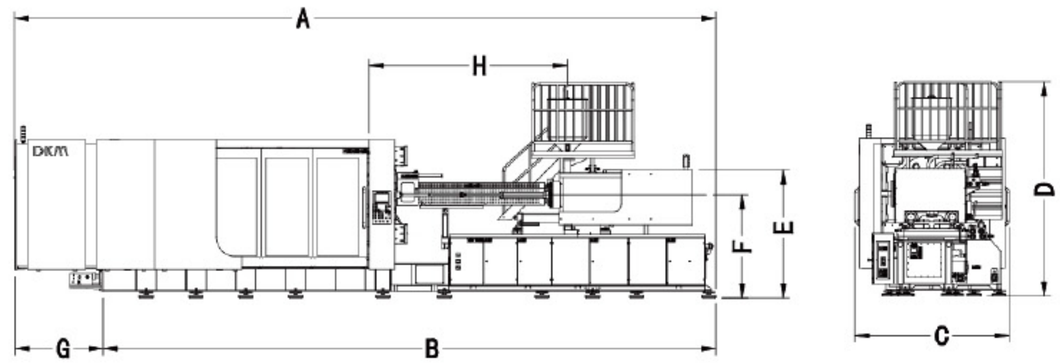




MODEL	DKM-1100H
A	1280
B	500-1250
C	250
D	Φ6
E	50
F	SR20

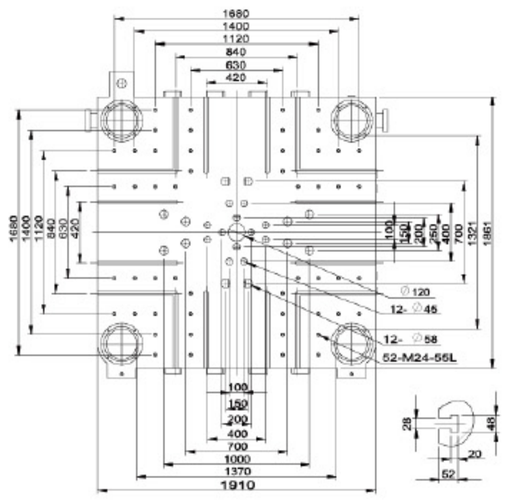
HI-SPEED INJECTION MOLDING MACHINE		DKM-1300H/1300HH			
SCREW TYPE		A	B	C	D
INJECTION UNIT					
Screw Diameter	mm	Φ110	Φ120	Φ130	Φ140
Screw L/D Ratio	L/D	26	24	22	20
Theoretical Shot Volume	cm^3	6275	7470	8765	10170
Injection Weight (PS)	gram	5648	6723	7889	9153
Injection Pressure	MPa	201	169	144	124
Injection Speed	mm/s	100			
Injection Rate	cm^3/sec	904	1075	1260	1465
Plasticizing Rate (PS)	g/s	104	122	139	151
Screw Rotate Speed	rpm	0-200			
CLAMPING UNIT					
Clamp Force	kN	13000			
Toggle Stroke	mm	1410			
Space Between Tie Bars	mm	1370*1320			
Max. Mold Height	mm	1400			
Min. Mold Height	mm	500			
Min.Mould Size	mm	960*920			
Ejector Stroke	mm	350			
Ejector Force	kN	246			
Ejector Number	n	25			
OTHERS					
Max. Pump Pressure	Mpa	16			
Pump Motor Power	kW	300			
Heater Power	kW	86			
Machine Dimension (LxWxH)	m	13.5*2.6*3.2			
Machine Weight	tons	66			
Oil Tank Capacity	Litre	1500			

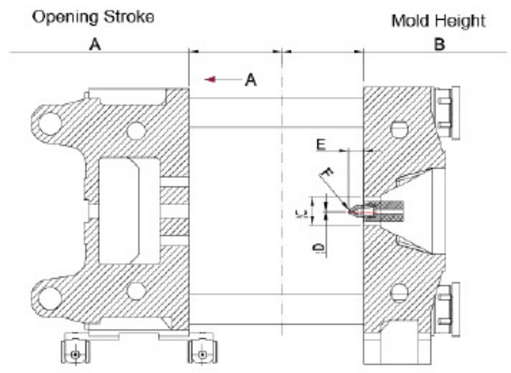
DIMENSIONS



MODEL		A	B	C	D	E	F	G	H
DKM-1300H DKM-1300HP	DKM-1300HH DKM-1300HHP	13500	11400	2600	3200	3650	1650	2000	3150

MOLD PLATEN DRAWING

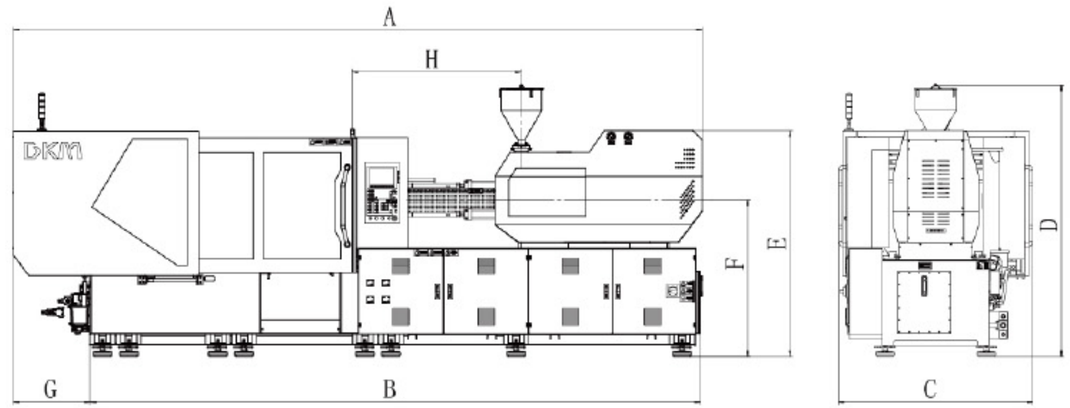




MODEL	DKM-1300H
A	1450
B	500-1400
C	250
D	Φ6
E	50
F	SR20

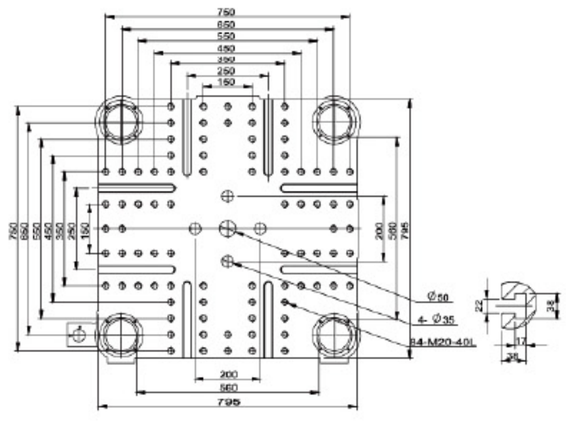
HI-SPEED INJECTION MOLDING MACHINE		DKM-250SH	
SCREW TYPE		A	B
INJECTION UNIT			
Screw Diameter	mm	50	54
Screw L/D Ratio	L/D	24	24
Shot Volume	cm^3	471	549
Injection Weight	g	429	500
Injection Pressure	Mpa	142	121
Injection Rate	cm^3/s	736	858
Injection Speed	mm/s	375	
Screw Speed	rpm	300	
CLAMPING UNIT			
Clamping Tonnage	KN	2500	
Toggle Stroke	mm	490	
Tie Bar Distance	mm	560*560	
Max.Mold Height	mm	600	
Min.Mold Height	mm	200	
Min.Mould Size	mm	400*400	
Ejector Stroke	mm	140	
Ejector Tonnage	KN	61	
Ejector Number	n	5	
OTHERS			
Max.Pump Pressure	Mpa	17.5	
Pump Motor Power	KW	60	
Heater Power	KW	16	
Machine Dimension	m	5.8×1.8×2.4	
Machine Weight	t	8.3	
Oil Tank Capacity	L	650	

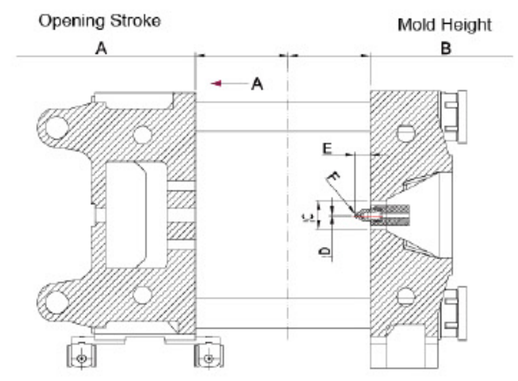
DIMENSIONS



MODEL	A	B	C	D	E	F	G	H
DKM-250SH	5800	5330	1800	2400	2000	1390	680	1480

MOLD PLATEN DRAWING

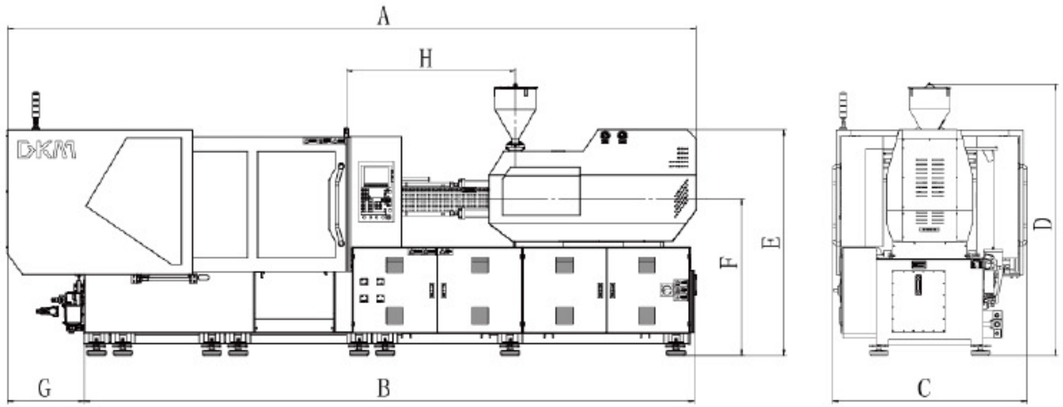




MODEL	DKM-250SH
A	490
B	200-600
C	125
D	Φ3.5
E	50
F	SR10

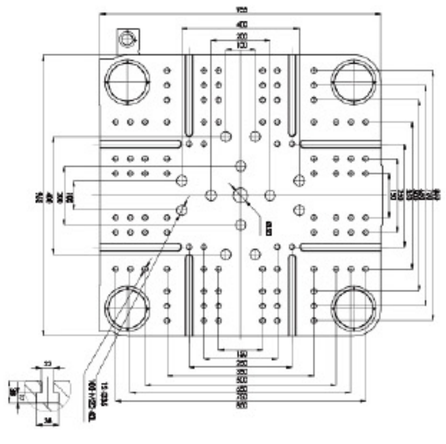
HI-SPEED INJECTION MOLDING MACHINE		DKM-350SH	
SCREW TYPE		A	B
INJECTION UNIT			
Screw Diameter	mm	55	58
Screw L/D Ratio	L/D	24	24
Shot Volume	cm^3	569	633
Injection Weight	g	518	576
Injection Pressure	Mpa	137	123
Injection Rate	cm^3/s	902	1003
Injection Speed	mm/s	365	
Screw Speed	rpm	260	
CLAMPING UNIT			
Clamping Tonnage	KN	3500	
Toggle Stroke	mm	560	
Tie Bar Distance	mm	660*660	
Max.Mold Height	mm	640	
Min.Mold Height	mm	220	
Min.Mould Size	mm	460*460	
Ejector Stroke	mm	165	
Ejector Tonnage	KN	79	
Ejector Number	n	13	
OTHERS			
Max.Pump Pressure	Mpa	17.5	
Pump Motor Power	KW	80	
Heater Power	KW	22	
Machine Dimension	m	6.5×1.9×2.5	
Machine Weight	t	12.5	
Oil Tank Capacity	L	850	

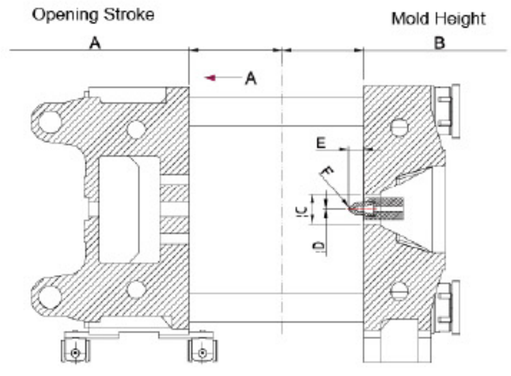
DIMENSIONS



MODEL	A	B	C	D	E	F	G	H
DKM-350SH	6500	6150	1900	2500	2120	1430	700	1840

MOLD PLATEN DRAWING

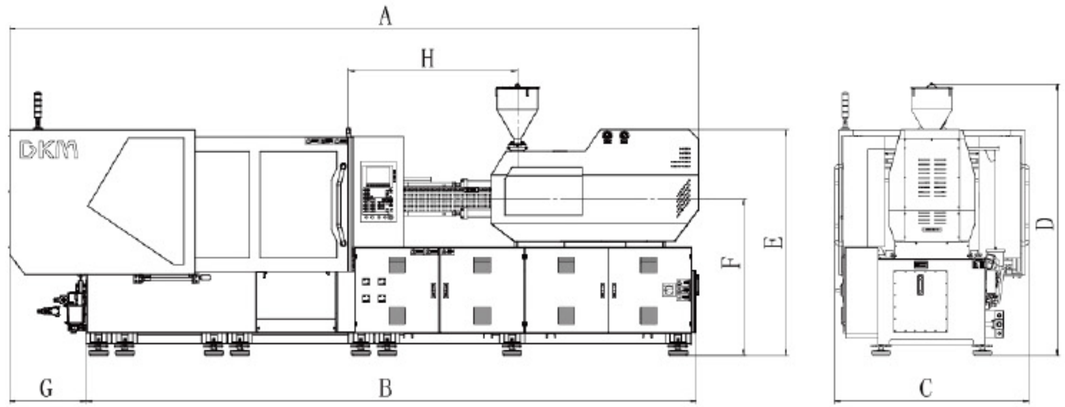




MODEL	DKM-350SH
A	560
B	220-640
C	125
D	Φ3.5
E	50
F	SR10

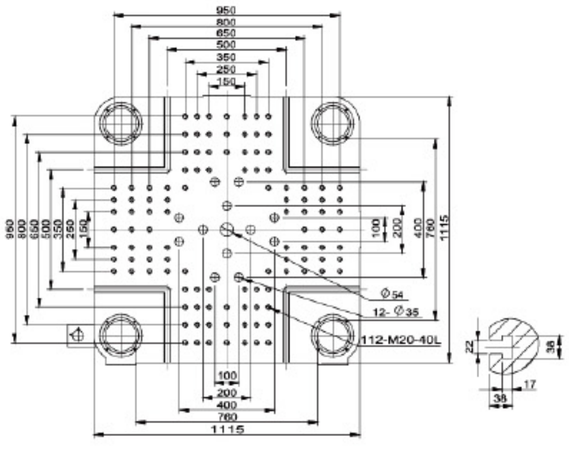
HI-SPEED INJECTION MOLDING MACHINE		DKM-450SH	
SCREW TYPE		A	B
INJECTION UNIT			
Screw Diameter	mm	55	58
Screw L/D Ratio	L/D	24	24
Shot Volume	cm^3	569	633
Injection Weight	g	518	576
Injection Pressure	Mpa	137	123
Injection Rate	cm^3/s	1045	1162
Injection Speed	mm/s	400	
Screw Speed	rpm	260	
CLAMPING UNIT			
Clamping Tonnage	KN	4500	
Toggle Stroke	mm	700	
Tie Bar Distance	mm	760*760	
Max.Mold Height	mm	760	
Min.Mold Height	mm	250	
Min.Mould Size	mm	530*530	
Ejector Stroke	mm	195	
Ejector Tonnage	KN	125	
Ejector Number	n	13	
OTHERS			
Max.Pump Pressure	Mpa	17.5	
Pump Motor Power	KW	90	
Heater Power	KW	22	
Machine Dimension	m	7.5×2.2×2.6	
Machine Weight	t	16	
Oil Tank Capacity	L	950	

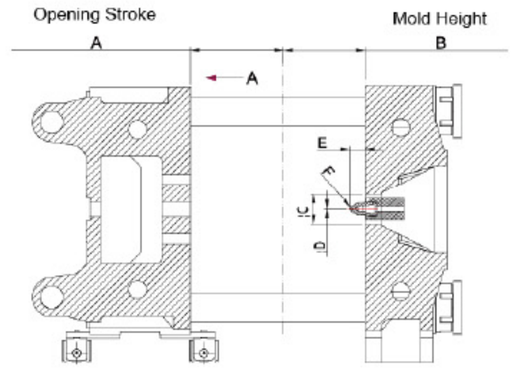
DIMENSIONS



MODEL	A	B	C	D	E	F	G	H
DKM-450SH	7500	6950	2200	2600	2056	1450	965	1966

MOLD PLATEN DRAWING

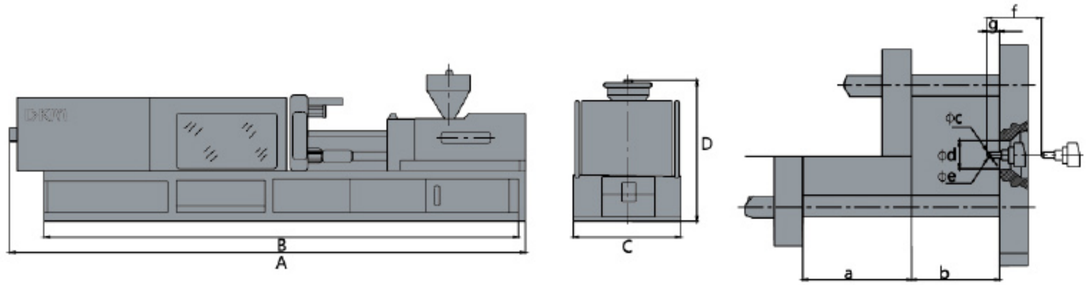




MODEL	DKM-450SH
A	700
B	250-760
C	150
D	Φ5
E	50
F	SR15

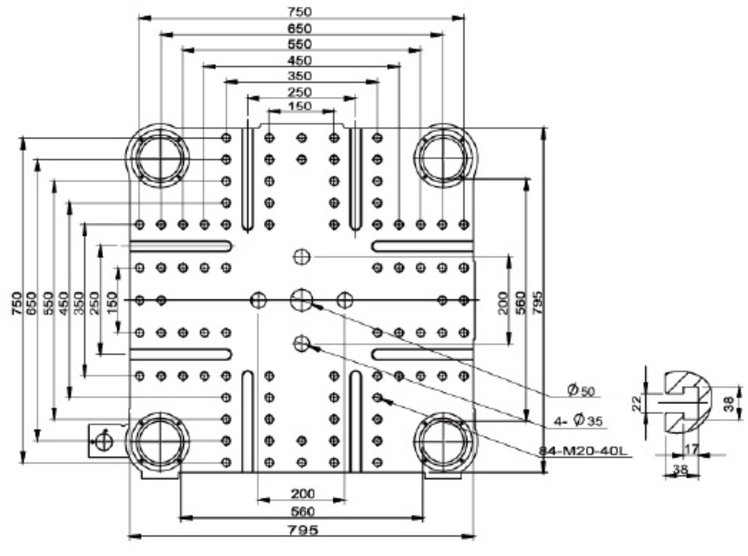
HI-SPEED INJECTION MOLDING MACHINE		DKM-250DH	
SCREW TYPE		A	B
INJECTION UNIT			
Screw Diameter	mm	50	54
Screw L/D Ratio	L/D	24	24
Shot Volume	cm^3	471	549
Injection Weight	g	429	500
Injection Pressure	Mpa	142	122
Injection Rate	cm^3/s	667	778
Injection Speed	mm/s	340	
Screw Speed	rpm	300	
CLAMPING UNIT			
Clamping Tonnage	KN	2500	
Toggle Stroke	mm	490	
Tie Bar Distance	mm	560*560	
Max.Mold Height	mm	600	
Min.Mold Height	mm	200	
Min.Mould Size	mm	400*400	
Ejector Stroke	mm	140	
Ejector Tonnage	KN	61	
Ejector Number	n	5	
OTHERS			
Max.Pump Pressure	Mpa	17.5	
Pump Motor Power	KW	60	
Heater Power	KW	16	
Machine Dimension	m	6×1.8×2.4	
Machine Weight	t	8.3	
Oil Tank Capacity	L	650	

DIMENSIONS



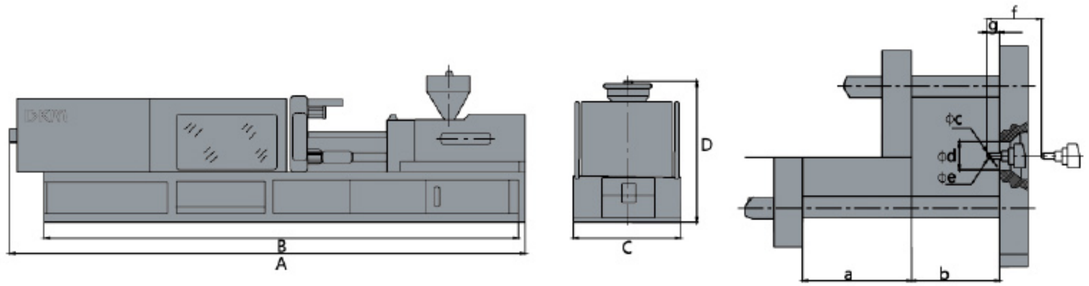
A	B	C	D	e	f
6000	5508	1800	2400	SR10	340
a	b	c	d	g	
490	200-600	3.5	125	50	

MOLD PLATEN DRAWING



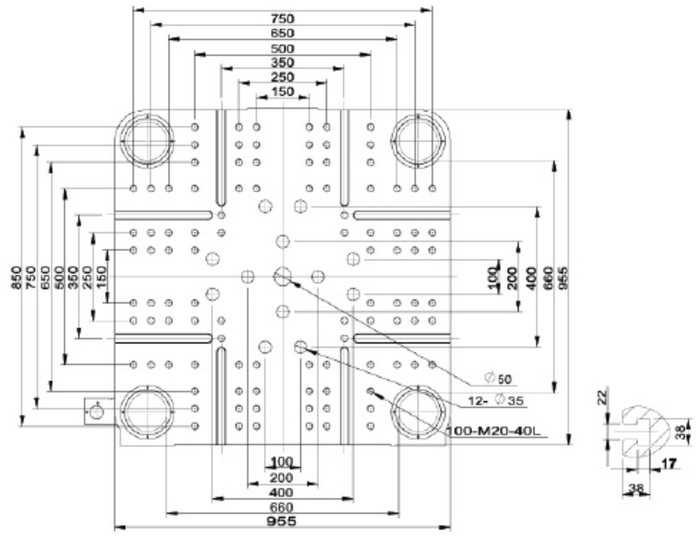
HI-SPEED INJECTION MOLDING MACHINE		DKM-350DH	
SCREW TYPE		A	B
INJECTION UNIT			
Screw Diameter	mm	55	58
Screw L/D Ratio	L/D	24	24
Shot Volume	cm^3	569	633
Injection Weight	g	518	576
Injection Pressure	Mpa	139	125
Injection Rate	cm^3/s	760	845
Injection Speed	mm/s	320	
Screw Speed	rpm	260	
CLAMPING UNIT			
Clamping Tonnage	KN	3500	
Toggle Stroke	mm	560	
Tie Bar Distance	mm	660*660	
Max.Mold Height	mm	640	
Min.Mold Height	mm	220	
Min.Mould Size	mm	460*460	
Ejector Stroke	mm	165	
Ejector Tonnage	KN	79	
Ejector Number	n	13	
OTHERS			
Max.Pump Pressure	Mpa	17.5	
Pump Motor Power	KW	80	
Heater Power	KW	22	
Machine Dimension	m	6.9×1.9×2.5	
Machine Weight	t	12.5	
Oil Tank Capacity	L	850	

DIMENSIONS



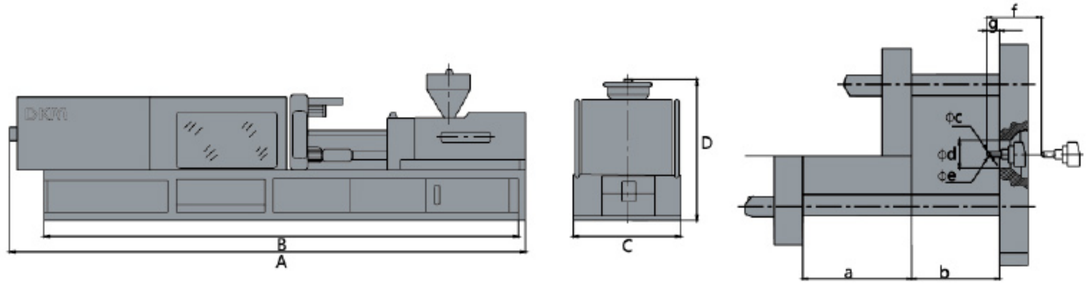
A	B	C	D	e	f
6900	6150	1900	2500	SR10	390
a	b	c	d	g	
560	220-640	3.5	125	50	

MOLD PLATEN DRAWING



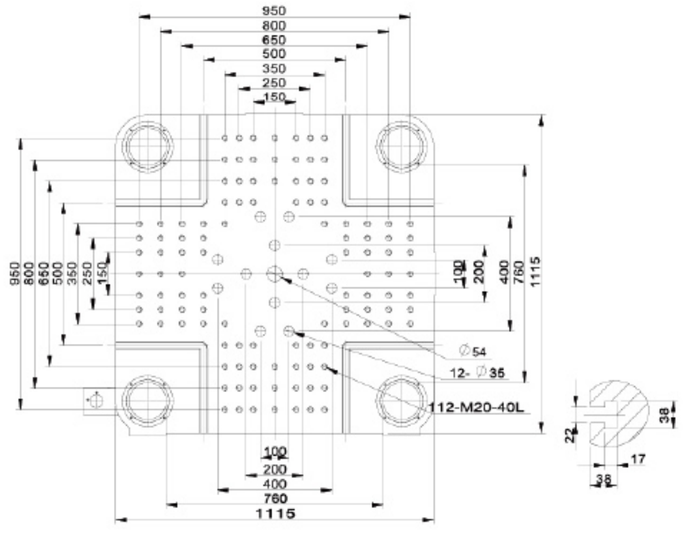
HI-SPEED INJECTION MOLDING MACHINE		DKM-450DH	
SCREW TYPE		A	B
INJECTION UNIT			
Screw Diameter	mm	55	58
Screw L/D Ratio	L/D	24	24
Shot Volume	cm^3	569	633
Injection Weight	g	518	576
Injection Pressure	Mpa	139	125
Injection Rate	cm^3/s	855	951
Injection Speed	mm/s	360	
Screw Speed	rpm	260	
CLAMPING UNIT			
Clamping Tonnage	KN	4500	
Toggle Stroke	mm	700	
Tie Bar Distance	mm	760*760	
Max.Mold Height	mm	760	
Min.Mold Height	mm	250	
Min.Mould Size	mm	530*530	
Ejector Stroke	mm	195	
Ejector Tonnage	KN	125	
Ejector Number	n	13	
OTHERS			
Max.Pump Pressure	Mpa	17.5	
Pump Motor Power	KW	90	
Heater Power	KW	25	
Machine Dimension	m	8×2.2×2.6	
Machine Weight	t	16	
Oil Tank Capacity	L	950	

DIMENSIONS



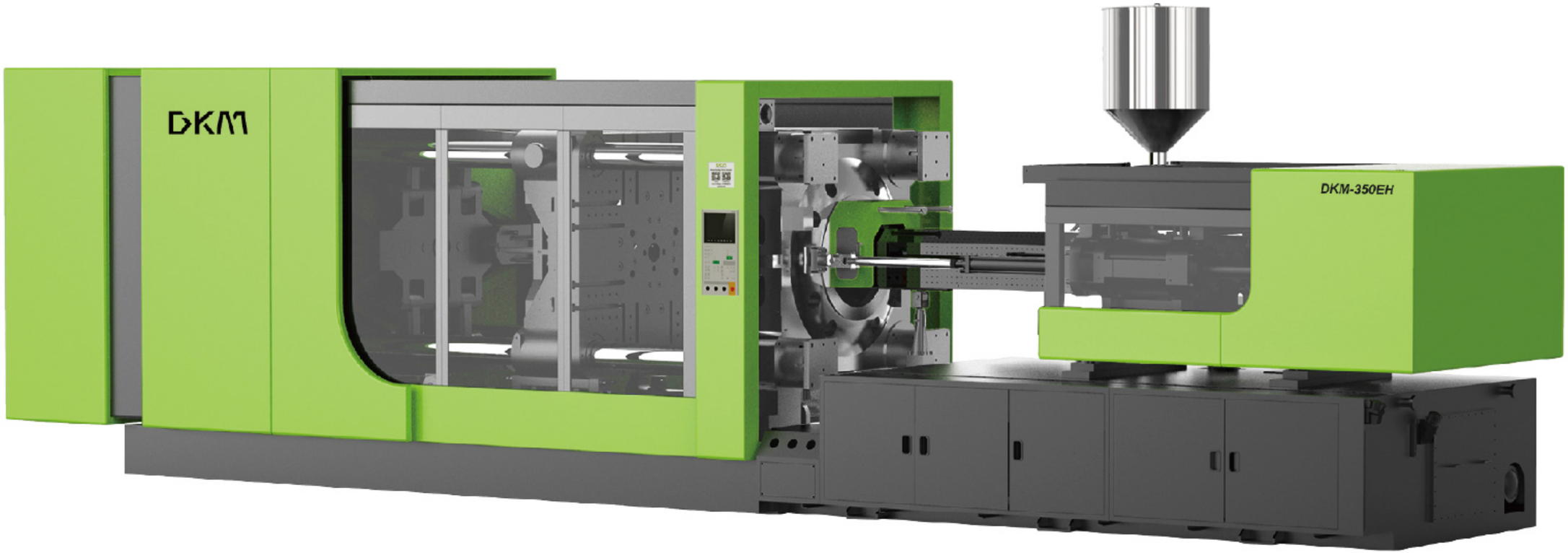
A	B	C	D	e	f
8000	6900	2200	2600	SR15	495
a	b	c	d	g	
700	250-760	4	150	50	

MOLD PLATEN DRAWING



DKM EH Injection Molding Machine (The precision of injection up to 1‰)

Energy saving and environmentally-friendly, high speed and high precision.



ADVANTAGES

This EH series machine is applied with AC servo motor and transmission devices such as gear, ball screw and toothed belt. Compared with traditional servo type machine, the prior advantage is the charging and injection units apply full electric drive.

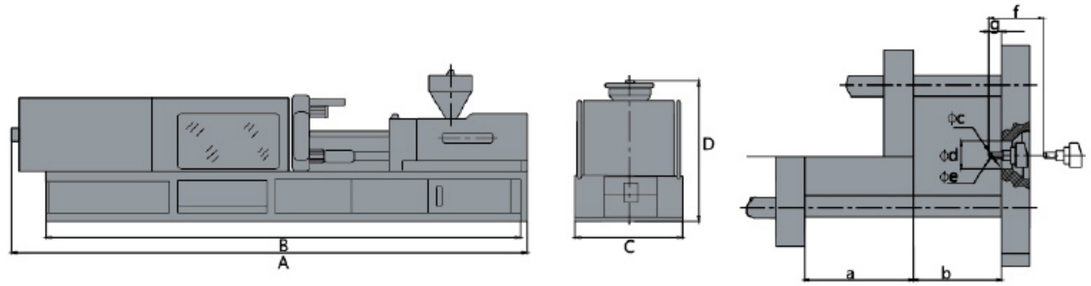
High control accuracy and fast response speed: During injection process, DKM EH machine achieves high induction accuracy and quick response by precision pressure sensor collecting and sending the injection pressure to control system for processing, without other process as the pressure sensor is directly connected with the screw. DKM EH machine, adopting full closed-loop control to ensure high repeat injection molding accuracy of parts, is suitable for production of high-precision parts.

Clean and low noise: No oil leakage to keep workshop clean and easy for maintenance as no hydraulic motor and injection cylinder in DKM EH machine; and less noise because that the servo motor generates less activation resistance leading to easy controller on the acceleration and deceleration.

Energy-saving: DKM EH machine reduces energy consumption by 30%-50% when compared with traditional hydraulic machine. Thanks to servo motor and servo drive, there is no hydraulic loss during operation and less loss on control and hysteresis, and it realizes energy saving effectively when machine standby.

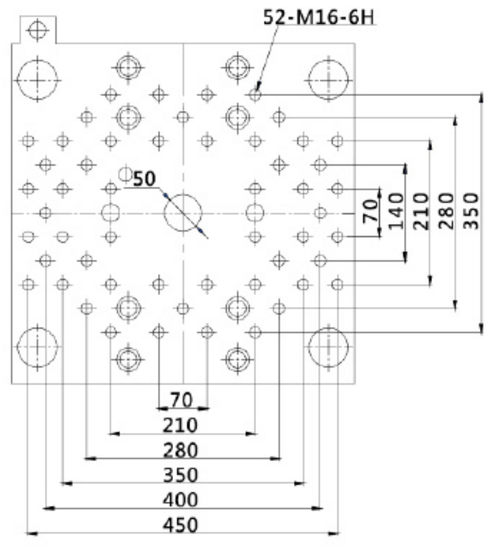
EH INJECTION MOULDING MACHINE		DKM-80EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	25	28	32
Screw L/D	L/D	22	22	19
Shot Size Theoretical	cm^3	69	86	113
Injection Weight(PS)	gram	62	78	101
Injection Pressure	Mpa	350	280	214
Screw High Speed	rpm	350		
Injection Speed	mm/s	350		
Screw Stroke	mm	140		
CLAMPING UNIT				
Clamping Force	kN	800		
Mold Opening Stroke	mm	320		
Tie Bar Distance	mm	360×360		
Max. Mold Height	mm	370		
Min. Mold Height	mm	150		
Min. Mold Size	mm	230×200		
Ejection Stroke	mm	90		
Ejector Tonnage	kN	30		
Ejector Number	n	5		
Platen Size	mm	540×540		
Location Flange	mm	125		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	20		
Heater Power	kW	6		
Size(L×W×H)	mm	3900×1260×1870		
Machine Weight	t	2.9		
Oil tank Volume	L	140		

DIMENSIONS



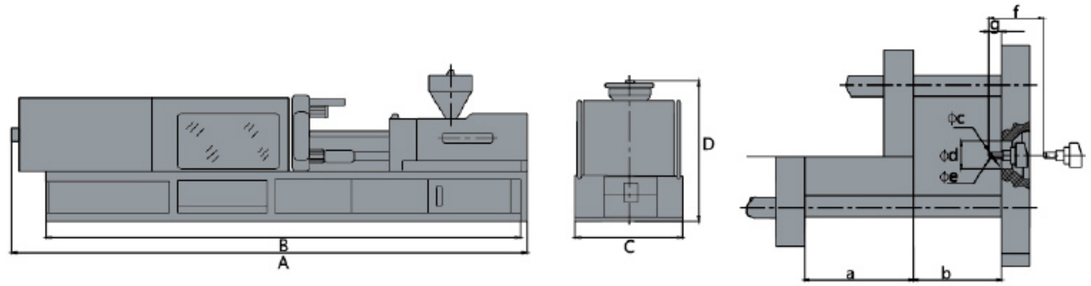
A	B	C	D	e	f
3720	2950	1170	1800	SR10	175
a	b	c	d	g	
295	150-370	3	125	30	

MOLD PLATEN DRAWING



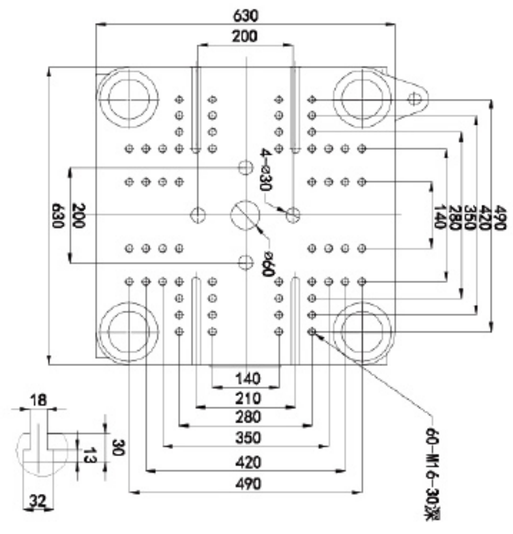
EH INJECTION MOULDING MACHINE		DKM-130EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	28	32	36
Screw L/D	L/D	22	22	20
Shot Size Theoretical	cm^3	111	145	183
Injection Weight(PS)	gram	100	130	165
Injection Pressure	Mpa	327	250	198
Screw High Speed	rpm	350		
Injection Speed	mm/s	350		
Screw Stroke	mm	180		
CLAMPING UNIT				
Clamping Force	kN	1300		
Mold Opening Stroke	mm	390		
Tie Bar Distance	mm	420×420		
Max. Mold Height	mm	460		
Min. Mold Height	mm	160		
Min. Mold Size	mm	260×260		
Ejection Stroke	mm	120		
Ejector Tonnage	kN	46		
Ejector Number	n	5		
Platen Size	mm	620×620		
Location Flange	mm	125		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	20		
Heater Power	kW	6		
Size(L×W×H)	mm	3900×1260×1870		
Machine Weight	t	2.9		
Oil tank Volume	L	140		

DIMENSIONS



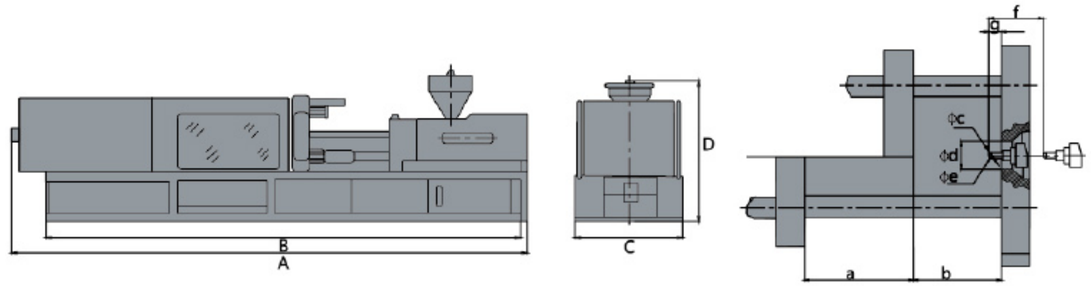
A	B	C	D	e	f
4730	3520	1200	1850	SR10	200
a	**b**	**c**	**d**	**g**	
343	150-450	3	125	30	

MOLD PLATEN DRAWING



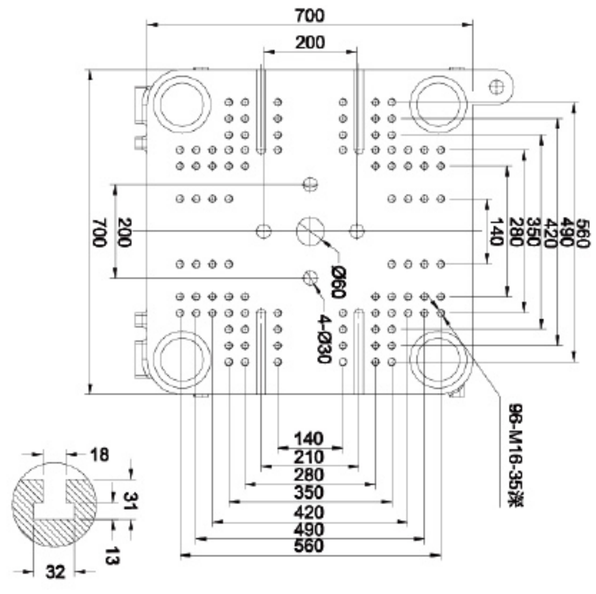
EH INJECTION MOULDING MACHINE		DKM-180EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	36	40	45
Screw L/D	L/D	22	22	20
Shot Size Theoretical	cm^3	183	226	286
Injection Weight(PS)	gram	165	204	258
Injection Pressure	Mpa	283	230	182
Screw High Speed	rpm	350		
Injection Speed	mm/s	300		
Screw Stroke	mm	180		
CLAMPING UNIT				
Clamping Force	kN	1800		
Mold Opening Stroke	mm	435		
Tie Bar Distance	mm	470×470		
Max. Mold Height	mm	550		
Min. Mold Height	mm	180		
Min. Mold Size	mm	290×290		
Ejection Stroke	mm	140		
Ejector Tonnage	kN	53		
Ejector Number	n	5		
Platen Size	mm	700×700		
Location Flange	mm	125		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	35		
Heater Power	kW	10.4		
Size(L×W×H)	mm	5100×1500×1900		
Machine Weight	t	4.6		
Oil tank Volume	L	230		

DIMENSIONS



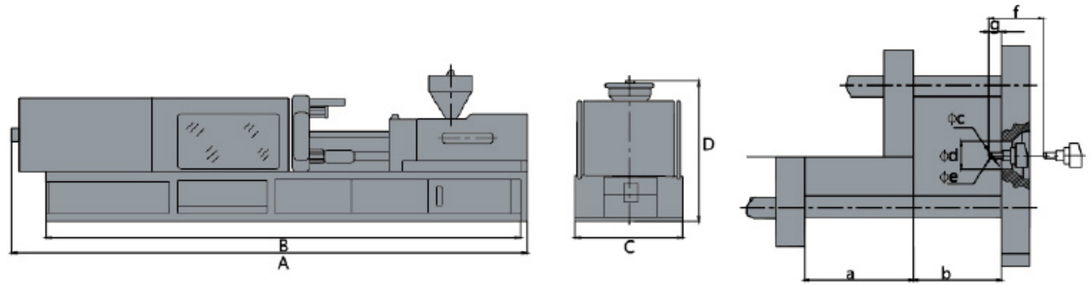
A	B	C	D	e	f
4920	3850	1270	2100	SR10	234
a	**b**	**c**	**d**	**g**	
420	180-520	3	125	30	

MOLD PLATEN DRAWING



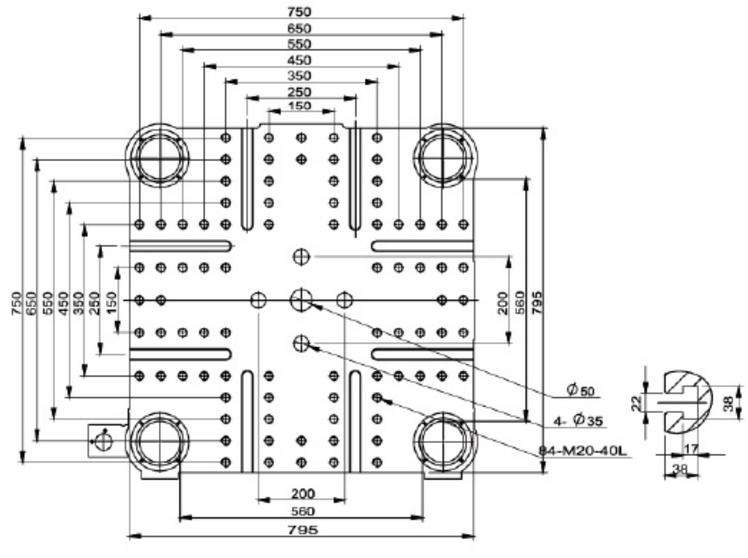
EH INJECTION MOULDING MACHINE		DKM-250EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	40	45	50
Screw L/D	L/D	22	20	18
Shot Size Theoretical	cm^3	270	342	422
Injection Weight(PS)	gram	243	308	380
Injection Pressure	Mpa	291	230	186
Screw High Speed	rpm	350		
Injection Speed	mm/s	300		
Screw Stroke	mm	215		
CLAMPING UNIT				
Clamping Force	kN	2500		
Mold Opening Stroke	mm	530		
Tie Bar Distance	mm	571×571		
Max. Mold Height	mm	600		
Min. Mold Height	mm	200		
Min. Mold Size	mm	365×365		
Ejection Stroke	mm	155		
Ejector Tonnage	kN	70		
Ejector Number	n	5		
Platen Size	mm	850×850		
Location Flange	mm	160		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	40		
Heater Power	kW	12.8		
Size(L×W×H)	mm	6430×1620×2250		
Machine Weight	t	11		
Oil tank Volume	L	280		

DIMENSIONS



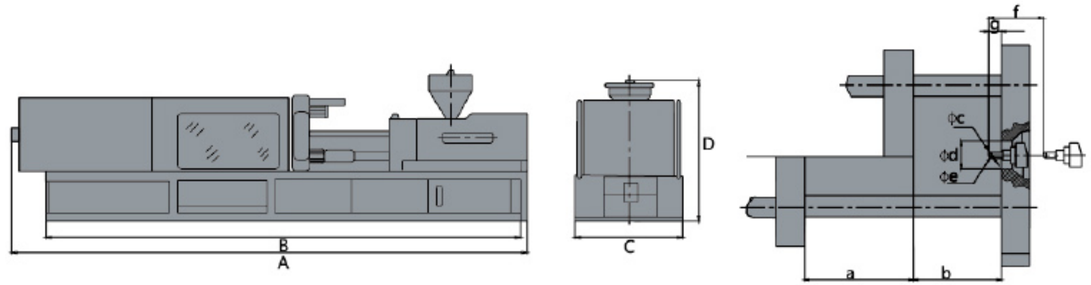
A	B	C	D	e	f
6000	5508	1800	2400	SR10	340
a	b	c	d	g	
490	200-600	3.5	160	50	

MOLD PLATEN DRAWING



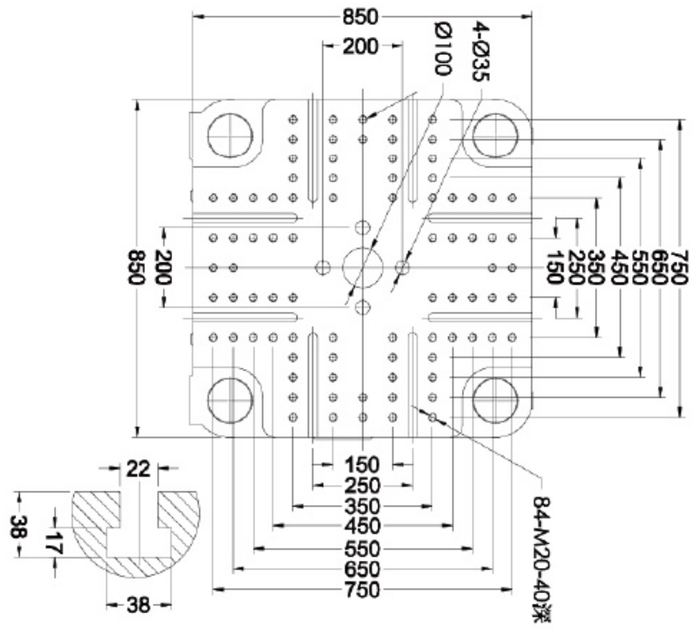
EH INJECTION MOULDING MACHINE		DKM-350EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	45	50	55
Screw L/D	L/D	22.2	20	18.2
Shot Size Theoretical	cm^3	397	491	594
Injection Weight(PS)	gram	358	442	534
Injection Pressure	Mpa	250	205	170
Screw High Speed	rpm	300		
Injection Speed	mm/s	250		
Screw Stroke	mm	215		
CLAMPING UNIT				
Clamping Force	kN	3500		
Mold Opening Stroke	mm	560		
Tie Bar Distance	mm	660×660		
Max. Mold Height	mm	640		
Min. Mold Height	mm	220		
Min. Mold Size	mm	430×430		
Ejection Stroke	mm	165		
Ejector Tonnage	kN	70		
Ejector Number	n	13		
Platen Size	mm	955×955		
Location Flange	mm	160		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	60		
Heater Power	kW	12		
Size(L×W×H)	mm	6900×1900×2450		
Machine Weight	t	13		
Oil tank Volume	L	320		

DIMENSIONS



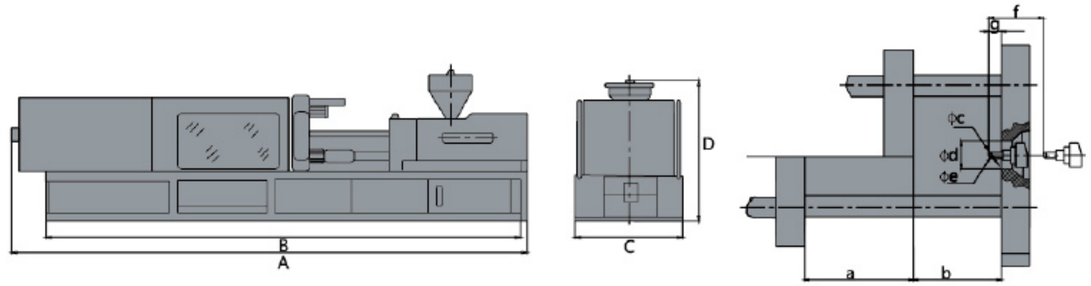
A	B	C	D	e	f
6900	6150	1900	2500	SR10	390
a	**b**	**c**	**d**	**g**	
560	220-640	3.5	160	50	

MOLD PLATEN DRAWING



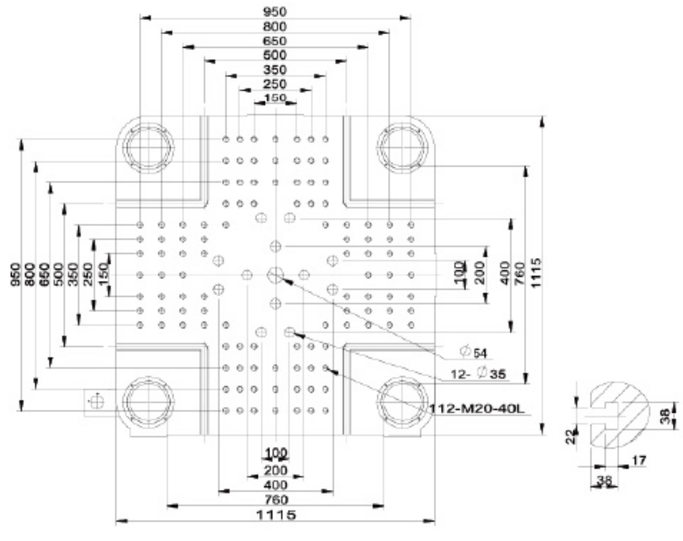
EH INJECTION MOULDING MACHINE		DKM-450EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	50	55	60
Screw L/D	L/D	22	20	18
Shot Size Theoretical	cm^3	491	594	707
Injection Weight(PS)	gram	442	534	636
Injection Pressure	Mpa	240	200	165
Screw High Speed	rpm	350		
Injection Speed	mm/s	250		
Screw Stroke	mm	240		
CLAMPING UNIT				
Clamping Force	kN	4500		
Mold Opening Stroke	mm	700		
Tie Bar Distance	mm	760×760		
Max. Mold Height	mm	760		
Min. Mold Height	mm	250		
Min. Mold Size	mm	495×495		
Ejection Stroke	mm	199		
Ejector Tonnage	kN	101		
Ejector Number	n	13		
Platen Size	mm	1120×1120		
Location Flange	mm	200		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	64		
Heater Power	kW	16		
Size(L×W×H)	mm	8000×2220×2600		
Machine Weight	t	16		
Oil tank Volume	L	380		

DIMENSIONS



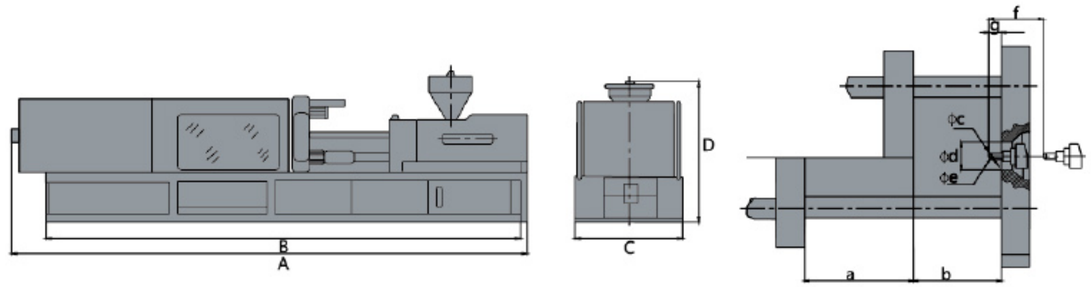
A	B	C	D	e	f
8000	6900	2200	2600	SR15	495
a	b	c	d	g	
700	250-760	4	200	50	

MOLD PLATEN DRAWING



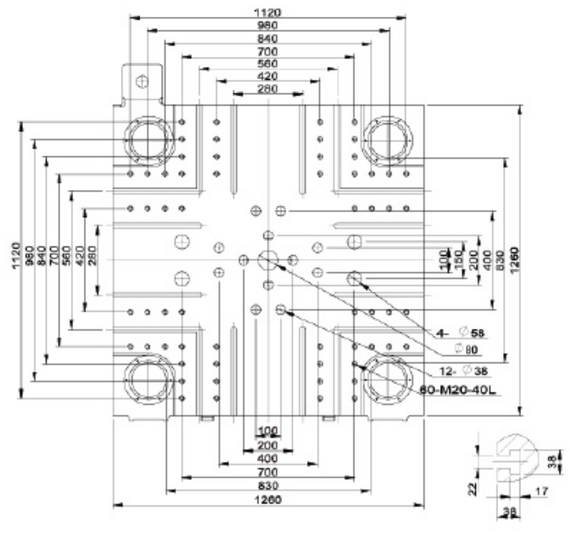
EH INJECTION MOULDING MACHINE		DKM-550EH		
SCREW TYPE		A	B	C
INJECTION UNIT				
Screw Diameter	mm	55	60	65
Screw L/D	L/D	22	20	18
Shot Size Theoretical	cm^3	475	565	663
Injection Weight(PS)	gram	427	509	597
Injection Pressure	Mpa	230	190	165
Screw High Speed	rpm	350		
Injection Speed	mm/s	200		
Screw Stroke	mm	260		
CLAMPING UNIT				
Clamping Force	kN	5500		
Mold Opening Stroke	mm	850		
Tie Bar Distance	mm	830×830		
Max. Mold Height	mm	850		
Min. Mold Height	mm	280		
Min. Mold Size	mm	510×510		
Ejection Stroke	mm	240		
Ejector Tonnage	kN	152		
Ejector Number	n	17		
Platen Size	mm	1260×1260		
Location Flange	mm	200		
OTHERS				
Max. Pump Pressure	Mpa	16		
Pump Motor Power	kW	75		
Heater Power	kW	18		
Size(L×W×H)	mm	8200×2200×2600		
Machine Weight	t	17		
Oil tank Volume	L	450		

DIMENSIONS



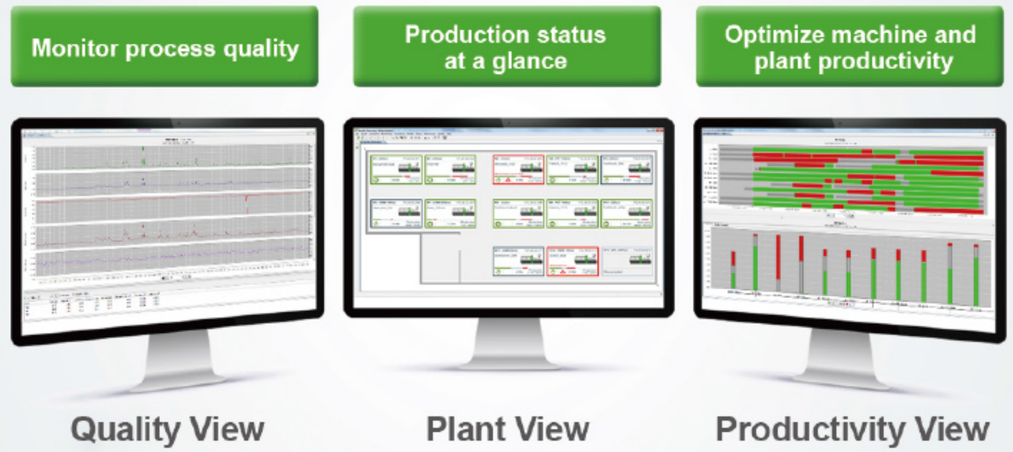
A	B	C	D	e	f
8400	7315	1950	2700	SR15	490
a	b	c	d	g	
850	300-810	4	200	50	

MOLD PLATEN DRAWING

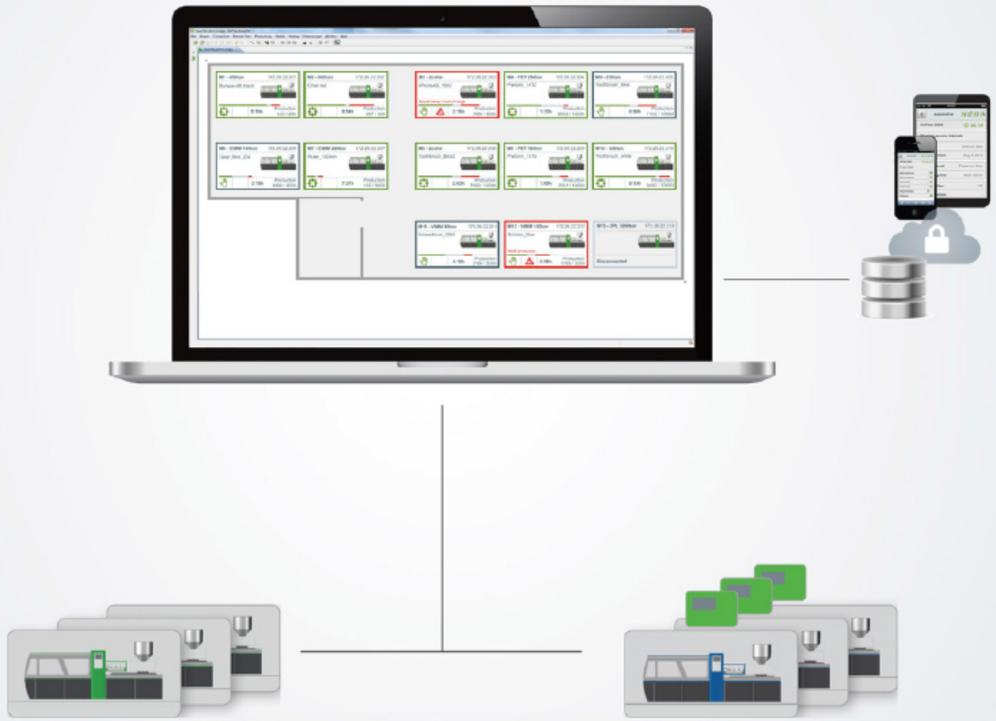
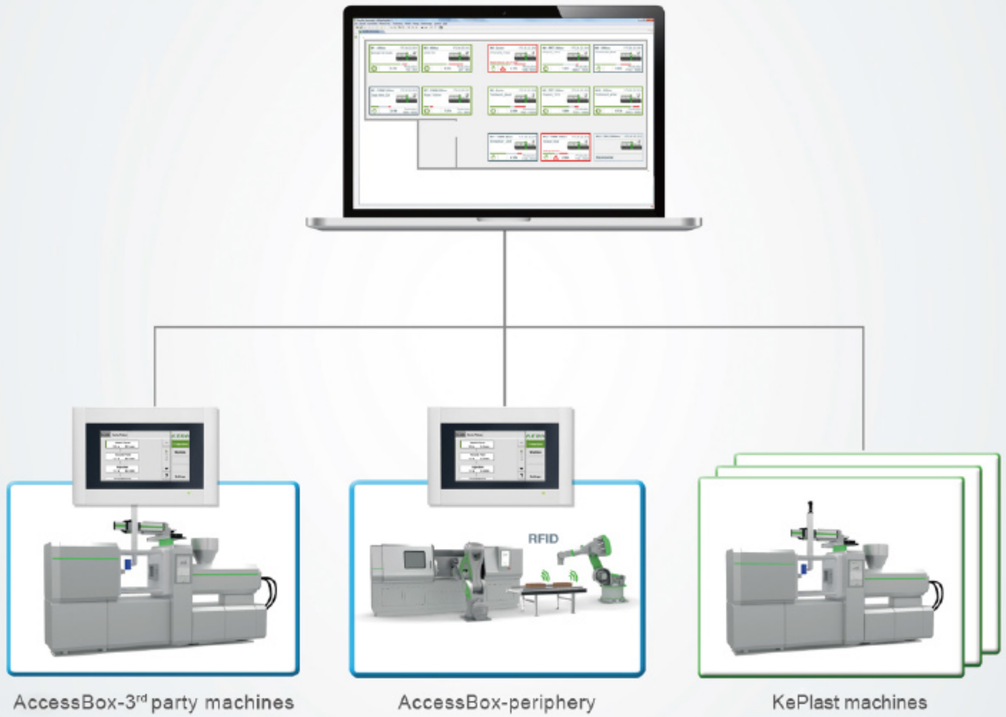


KePlast EasyNet

❷ Easy data analysis for quality and productivity



❶ Monitor production with PC, Tablet and Smart Phone



❸ Easy access to machine date at any time by Tablet and Smart Phone