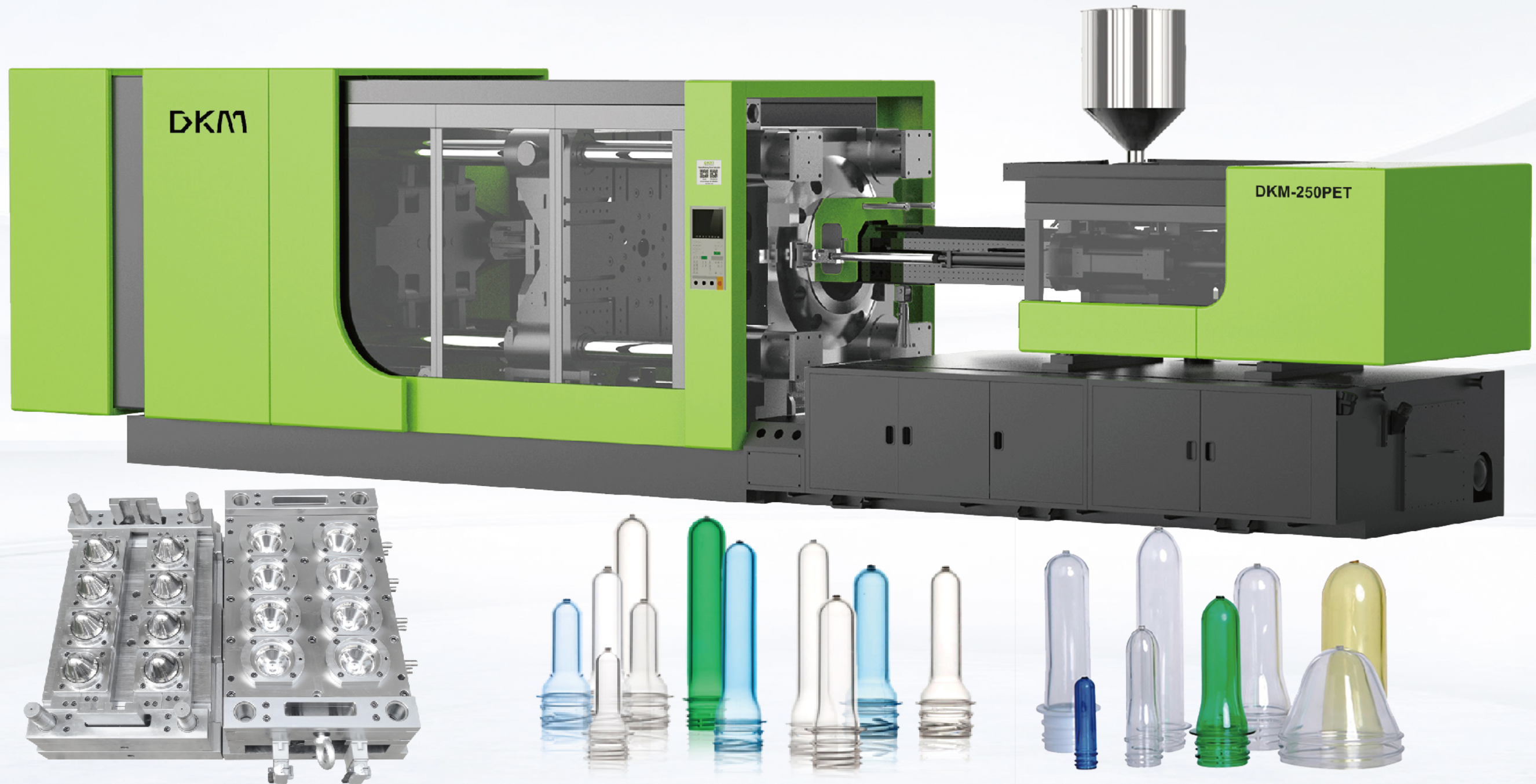


DKM PET Preform Injection Molding Machine

There are two series of DKM machines designed for quality PET preform molding: DKM-PET I (130Ton - 650Ton) & DKM-PET II (250Ton - 650Ton), with multi applications of water preforms, oil preforms, carbonate preforms, wide-mouth preforms and various types of single-color, multi-color, and mixed-color preforms.



PET Preform Injection Molding Machine II Series

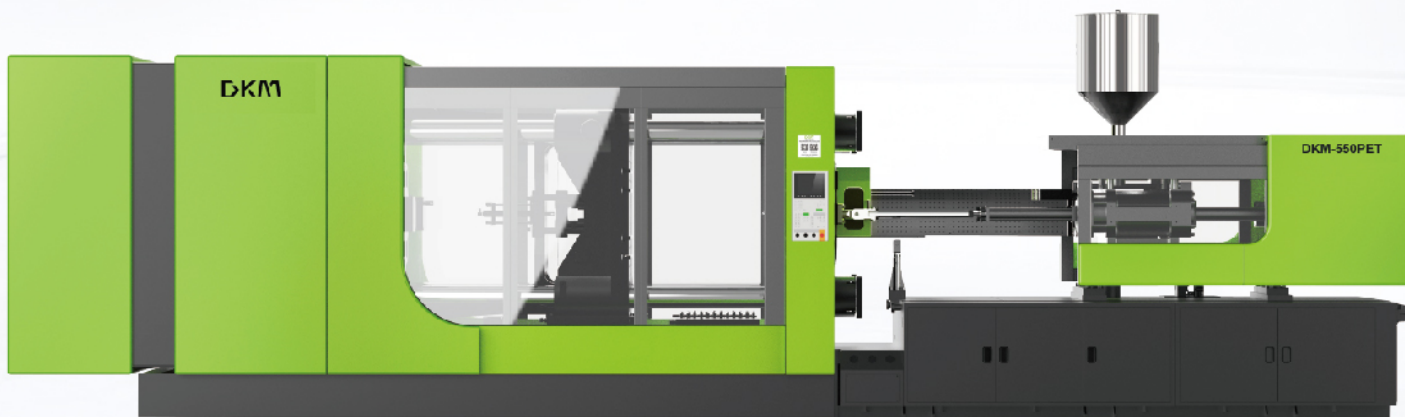
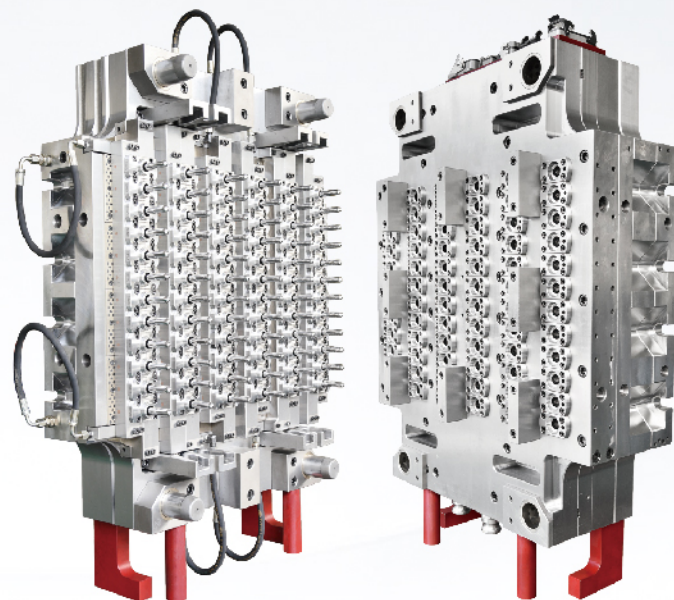
DKM machinery spec.		DKM-250PET II			DKM-350PET II			DKM-450PET II		
		A	B	C	A	B	C	A	B	C
INJECTION UNIT										
Screw Diameter	mm	60	65	70	75	80	85	80	85	90
Screw L/D Ratio	(L/D)	24	24	24	24	24	24	24	24	24
Shot Volume	cm³	989	1160	1345	1722	1960	2212	2191	2473	2773
Injection Weight	g	1187	1392	1614	2066	2352	2654	2629	2968	3328
Injection Pressure	Mpa	204	174	150	177	156	138	180	159	142
Screw Speed	rpm	0-125			0-120			0-107		
CLAMPING UNIT										
Clamping Tonnage	KN	2500			3500			4500		
Toggle Stroke	mm	535			560			700		
Tie Bar Distance	mm	570*570			660*660			760*760		
Max.Mold Height	mm	600			640			760		
Min.Mold Height	mm	200			220			250		
Min.Mould Size	mm	400*400			460*460			530*530		
Ejector Stroke	mm	155			165			195		
Ejector Tonnage	KN	70			79			138		
Ejector Number	n	5			13			13		
OTHERS										
Max.Pump Pressure	Mpa	16			16			16		
Pump Motor Power	KW	39.4			2×26.7			2×35.6		
Heater Power	KW	27.5			35.7			40		
Machine Dimension	m	6.04×1.56×2.2			7.48×1.75×2.48			8.2×1.9×2.5		
Machine Weight	t	11			14.5			18		
Oil Tank Capacity	L	400			500			750		

DKM machinery spec.		DKM-550PET II			DKM-650PET II		
		A	B	C	A	B	C
INJECTION UNIT							
Screw Diameter	mm	90	95	100	95	100	110
Screw L/D Ratio	(L/D)	24	24	24	24	24	24
Shot Volume	cm³	2734	3046	3376	3325	3685	4460
Injection Weight	g	3281	3655	4051	3990	4422	5352
Injection Pressure	Mpa	188	168	152	185	167	137
Screw Speed	rpm	0-105			0-100		
CLAMPING UNIT							
Clamping Tonnage	KN	5500			6500		
Toggle Stroke	mm	850			900		
Tie Bar Distance	mm	830*830			900*900		
Max.Mold Height	mm	850			1000		
Min.Mold Height	mm	290			300		
Min.Mould Size	mm	580*580			630*630		
Ejector Stroke	mm	240			240		
Ejector Tonnage	KN	150			210		
Ejector Number	n	17			21		
OTHERS							
Max.Pump Pressure	Mpa	16			16		
Pump Motor Power	KW	2×26.7+35.6			2×35.6+26.7		
Heater Power	KW	55.3			70		
Machine Dimension	m	9.15×2.0×3.15			10.6×2.23×3.22		
Machine Weight	t	24			32		
Oil Tank Capacity	L	1000			1000		

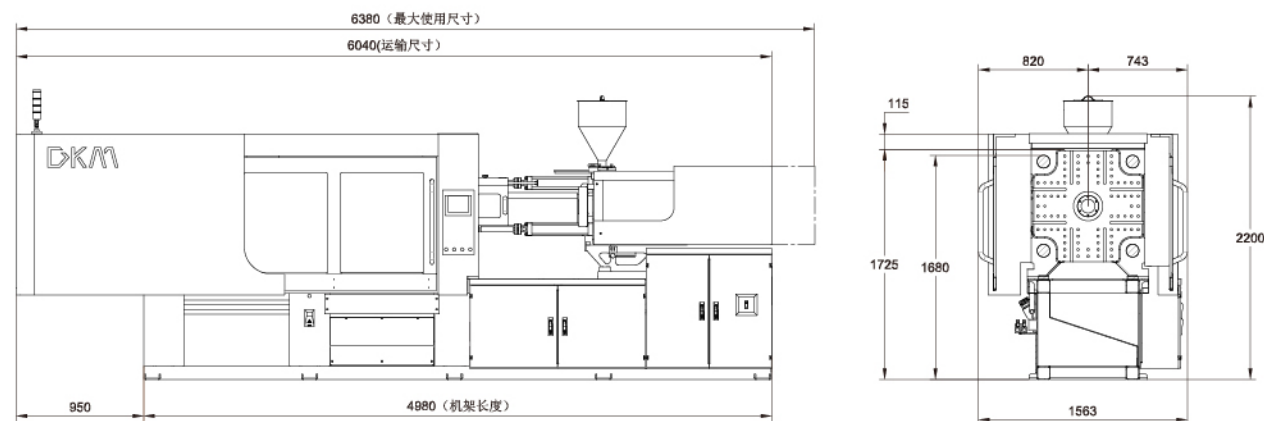
DKM Preform Injection Molding Machine

DKM-PET II preform injection molding machine series - high-speed, stable, and energy-saving - thanks to its excellent level on technical parameters such as repeatability, plasticization speed, and power consumption.

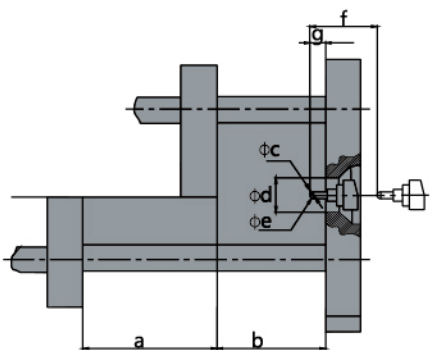
- Multi sets core pulling
- High-strength clamping unit
- High-strength mechanical design
- Modular injection mechanism
- Low-pressure mould protection
- PID temperature control
- Balanced injection by double cylinder
- Low noise hydraulic control system
- Independent CNC back pressure
- Automatic mold adjustment function
- Linear guide for injection unit moving
- Closed loop CNC, high speed, high response
- Enhance oil pump and motor for strong power
- Electric and hydraulic double safety protection
- Optimal oil circuit design, high efficiency and energy saving
- Enhance plastic charging motor for increasing screw torque
- Screw designed for PET, large L/D ratio, high plasticization capacity



DKM-250PET II



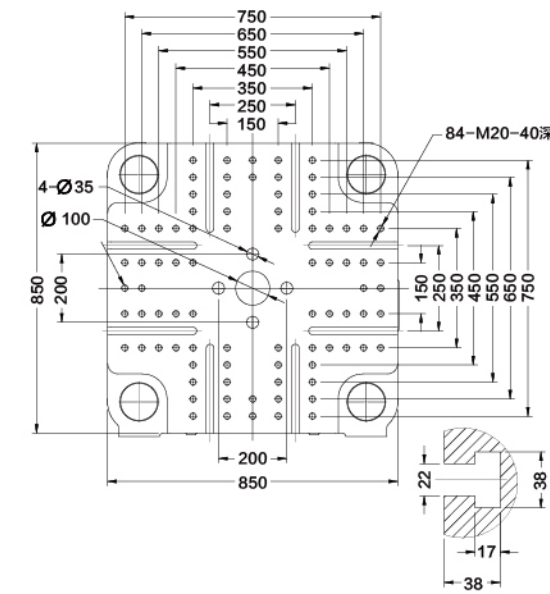
DKM machinery spec.		DKM-250PET II		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	60	65	70
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	989	1160	1345
Injection Weight	g	1187	1392	1614
Injection Pressure	Mpa	204	174	150
Screw Speed	rpm	0-125		
CLAMPING UNIT				
Clamping Tonnage	KN	2500		
Toggle Stroke	mm	535		
Tie Bar Distance	mm	570*570		
Max.Mold Height	mm	600		
Min.Mold Height	mm	200		
Min.Mould Size	mm	400*400		
Ejector Stroke	mm	155		
Ejector Tonnage	KN	70		
Ejector Number	n	5		
OTHERS				
Max.Pump Pressure	Mpa	16		
Pump Motor Power	KW	39.4		
Heater Power	KW	27.5		
Machine Dimension	m	6.04×1.56×2.2		
Machine Weight	t	11		
Oil Tank Capacity	L	400		



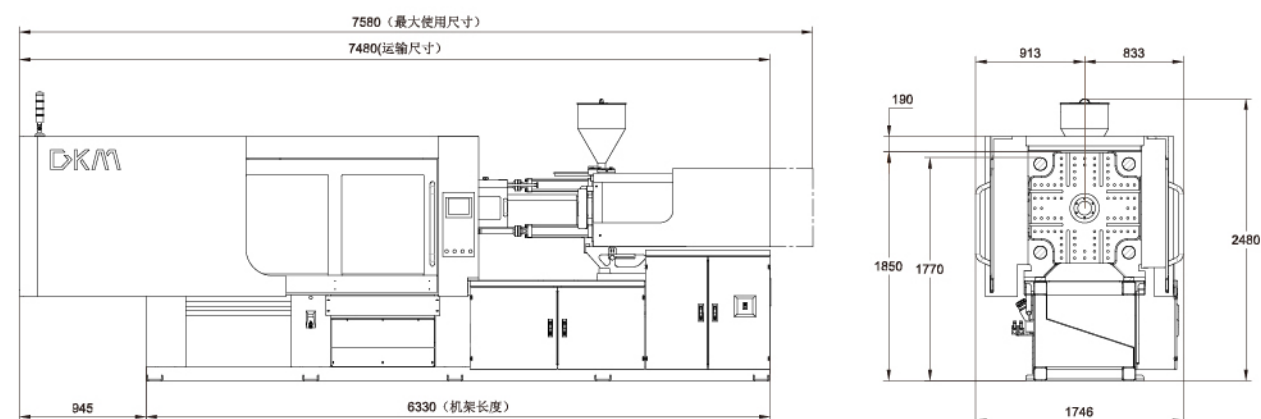
Dimensions

a	b	c	d
535	200-600	Φ6	Φ160
e	f	g	
SR10	340	40	

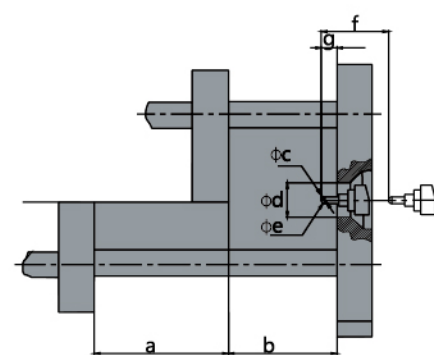
Mold Platen Drawing



DKM-350PET II



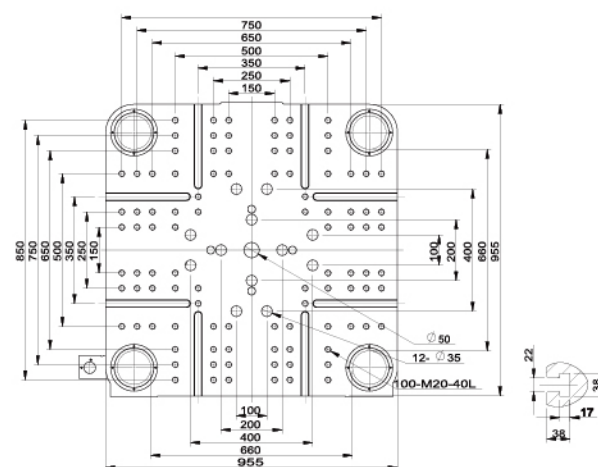
DKM machinery spec.		DKM-350PET II		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	75	80	85
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	1722	1960	2212
Injection Weight	g	2066	2352	2654
Injection Pressure	Mpa	177	156	138
Screw Speed	rpm	0-120		
CLAMPING UNIT				
Clamping Tonnage	KN	3500		
Toggle Stroke	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	16		
Pump Motor Power	KW	2×26.7		
Heater Power	KW	35.7		
Machine Dimension	m	7.48×1.75×2.48		
Machine Weight	t	14.5		
Oil Tank Capacity	L	500		



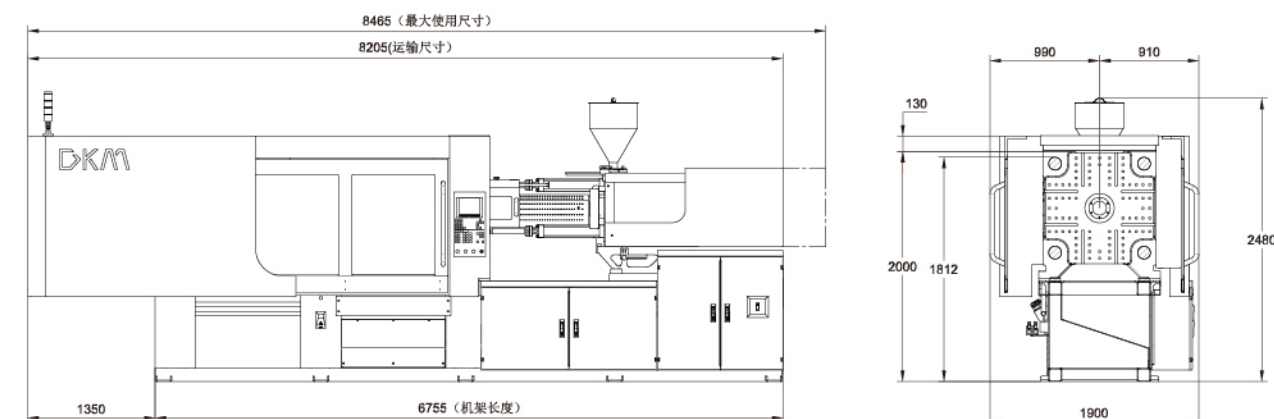
Dimensions

a	b	c	d
560	220-640	Φ8	Φ160
e	f	g	
SR15	390	40	

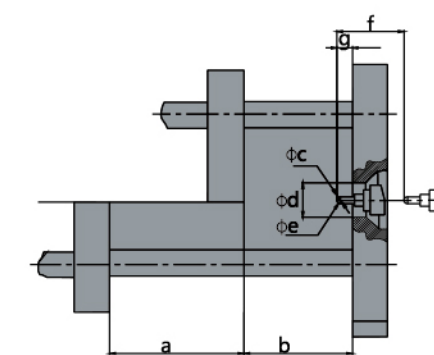
Mold Platen Drawing



DKM-450PET II



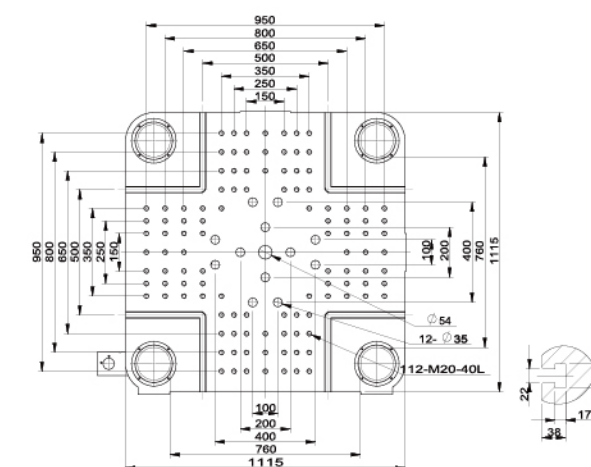
DKM machinery spec.		DKM-450PET II		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	80	85	90
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	2191	2473	2773
Injection Weight	g	2629	2968	3328
Injection Pressure	Mpa	180	159	142
Screw Speed	rpm	0-107		
CLAMPING UNIT				
Clamping Tonnage	KN	4500		
Toggle Stroke	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	138		
Ejector Number	n	13		
OTHERS				
Max.Pump Pressure	Mpa	16		
Pump Motor Power	KW	2×35.6		
Heater Power	KW	40		
Machine Dimension	m	8.2×1.9×2.5		
Machine Weight	t	18		
Oil Tank Capacity	L	750		



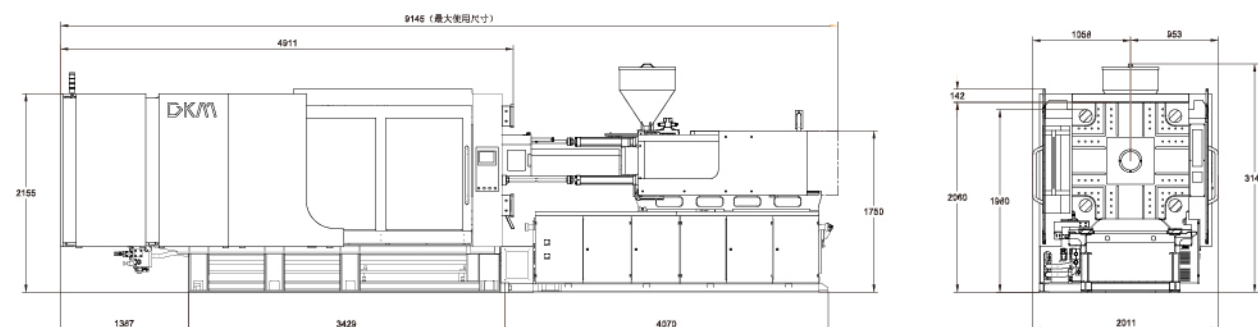
Dimensions

a	b	c	d
700	250-760	Φ8	Φ200
e	f	g	
SR15	200	50	

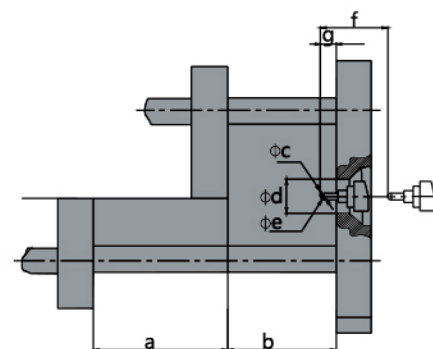
Mold Platen Drawing



DKM-550PET II



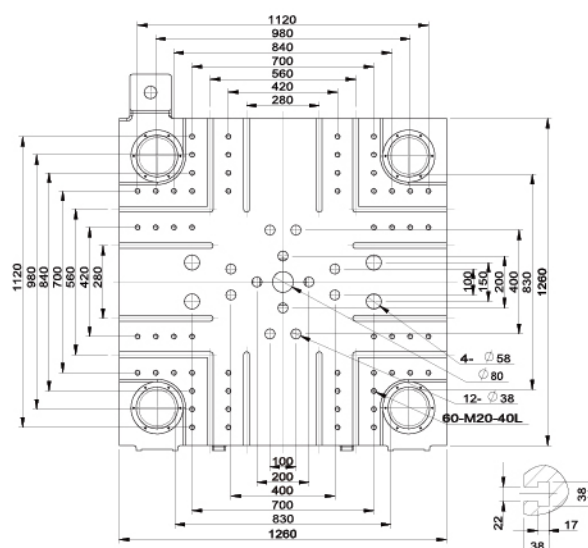
DKM machinery spec.		DKM-550PET II		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	90	95	100
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	2734	3046	3376
Injection Weight	g	3281	3655	4051
Injection Pressure	Mpa	188	168	152
Screw Speed	rpm	0-105		
CLAMPING UNIT				
Clamping Tonnage	KN	5500		
Toggle Stroke	mm	850		
Tie Bar Distance	mm	830*830		
Max.Mold Height	mm	850		
Min.Mold Height	mm	290		
Min.Mould Size	mm	580*580		
Ejector Stroke	mm	240		
Ejector Tonnage	KN	150		
Ejector Number	n	17		
OTHERS				
Max.Pump Pressure	Mpa	16		
Pump Motor Power	KW	2×26.7+35.6		
Heater Power	KW	55.3		
Machine Dimension	m	9.15×2.0×3.15		
Machine Weight	t	24		
Oil Tank Capacity	L	1000		



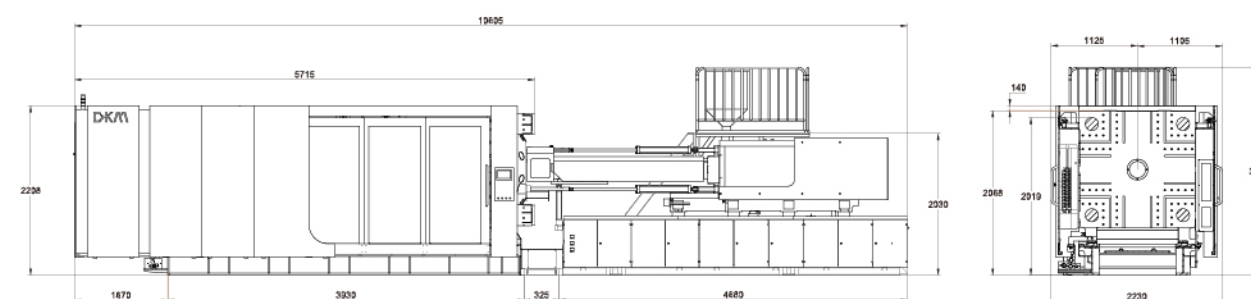
Dimensions

a	b	c	d
850	290-850	Φ8	Φ200
e	f	g	
SR15	490	50	

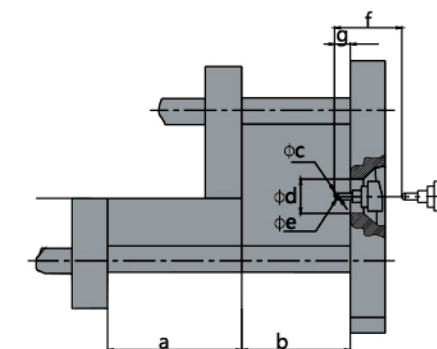
Mold Platen Drawing



DKM-650PET II



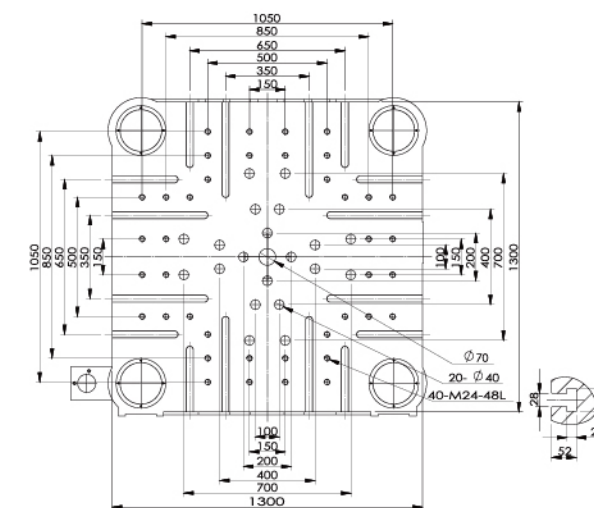
DKM machinery spec.		DKM-650PET II		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	95	100	110
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	3325	3685	4460
Injection Weight	g	3990	4422	5352
Injection Pressure	Mpa	185	167	137
Screw Speed	rpm	0-100		
CLAMPING UNIT				
Clamping Tonnage	KN	6500		
Toggle Stroke	mm	900		
Tie Bar Distance	mm	900*900		
Max.Mold Height	mm	1000		
Min.Mold Height	mm	300		
Min.Mould Size	mm	630*630		
Ejector Stroke	mm	240		
Ejector Tonnage	KN	210		
Ejector Number	n	21		
OTHERS				
Max.Pump Pressure	Mpa	16		
Pump Motor Power	KW	2×35.6+26.7		
Heater Power	KW	70		
Machine Dimension	m	10.6×2.23×3.22		
Machine Weight	t	32		
Oil Tank Capacity	L	1000		



Dimensions

a	b	c	d
900	300-1000	Φ8	Φ200
e	f	g	
SR15	495	50	

Mold Platen Drawing



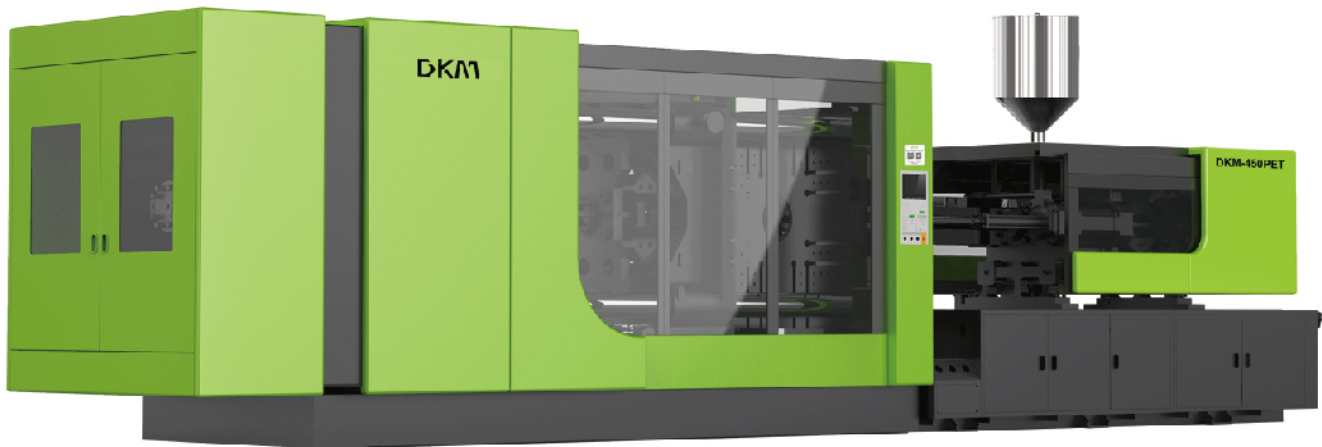
PET Injection Molding Machine I Series

DKM machinery spec.		DKM-130PET I		DKM-180PET I		DKM-250PET I			DKM-350PET I			DKM-450PET I				DKM-550PET I				DKM-650PET I			
		A	B	A	B	A	B	C	A	B	C	A	B	C	D	A	B	C	D	A	B	C	D
INJECTION UNIT																							
Screw Diameter	mm	42	45	45	50	45	50	55	60	65	70	70	75	80	85	75	80	85	90	85	90	95	100
Screw L/D Ratio	(L/D)	24.9	23.4	24	22.5	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24	24
Shot Volume	cm3	235	270	395	488	421	520	629	989	1160	1345	1500	1722	1960	2212	1926	2191	2473	2773	2439	2734	3046	3376
Injection Weight	g	282	324	474	586	505	624	755	1187	1392	1614	1800	2066	2352	2654	2311	2629	2968	3328	2927	3281	3655	4051
Injection Pressure	Mpa	163	142	169	137	219	178	147	204	174	150	204	177	156	138	204	180	159	142	210	188	168	152
Screw Speed	rpm	0-200		0-170		0-160			0-125			0-110				0-107				0-100			
CLAMPING UNIT																							
Clamping Tonnage	KN	1300		1800		2500			3500			4500				5500				6500			
Toggle Stroke	mm	390		435		535			560			700				850				900			
Tie Bar Distance	mm	417*417		470*470		570*570			660*660			760*760				830*830				900*900			
Max.Mold Height	mm	460		550		600			640			760				850				1000			
Min.Mold Height	mm	160		180		200			220			250				290				300			
Min.Mould Size	mm	295*295		330*330		400*400			460*460			530*530				580*580				630*630			
Ejector Stroke	mm	120		140		155			165			195				240				240			
Ejector Tonnage	KN	46		53		70			79			138				150				210			
Ejector Number	n	5		5		5			13			13				17				21			
OTHERS																							
Max.Pump Pressure	Mpa	16		16		16			16			16				16				16			
Pump Motor Power	KW	16.4		20.5		26.7			40.9			2×26.7				2×35.6				2×26.7+35.6			
Heater Power	KW	7.7		9.3		18			24.9			30				40				55.3			
Machine Dimension	m	4.6×1.3×1.9		5.29×1.6×1.95		6.04×1.56×2.15			7.48×1.75×2.2			8.2×1.9×2.48				9.15×2×2.48				10.6×2.23×3.2			
Machine Weight	t	4.7		5.7		8.6			14			18				22				33			
Oil Tank Capacity	L	230		260		400			500			750				1000				1000			

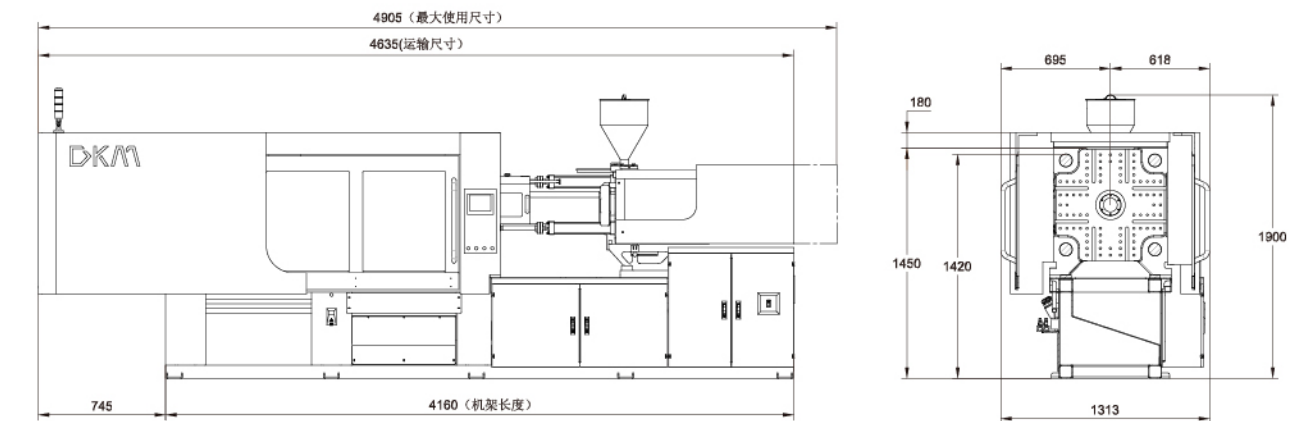
DKM PET Injection Molding Machine

According to the characteristics of the PET molding process, the PET machine has all the advantages of the standard model, and mature improvements have been made to ensure the excellent molding of PET products.

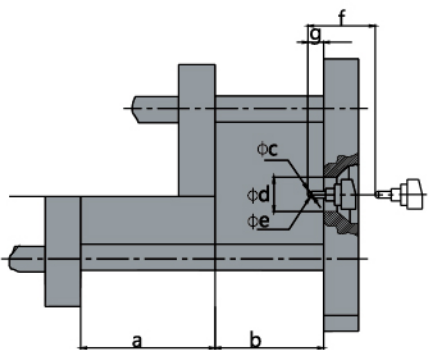
- Special barrel and screw for glass fiber PET or sheet material PET is available
- Dehumidification dryer could be selected to meet the dehumidification requirements of PET raw materials.
- The PID temperature of the four-stage and above feed barrel is accurately controlled
- Screw designed for PET, large L/D ratio, high plasticization capacity
- Spring nozzle for the machine below 650T, hydraulic nozzle for 650T, meeting customers' special requirements by effectively avoiding overflow
- Extend machine frame and enlarge space between tie bars, mold opening stroke, mold thickness, and ejection stroke
- Both variable pumps and fixed pumps are applicable
- Low-pressure mould protection
- PID temperature control
- Balanced injection by double cylinder
- Low noise hydraulic control system
- Independent CNC back pressure
- Automatic mold adjustment function
- Linear guide for injection unit moving
- Closed loop CNC, high speed, high response
- Enhance oil pump and motor
- Enhance plastic charging motor
- Multi sets core pulling



DKM-130PET I



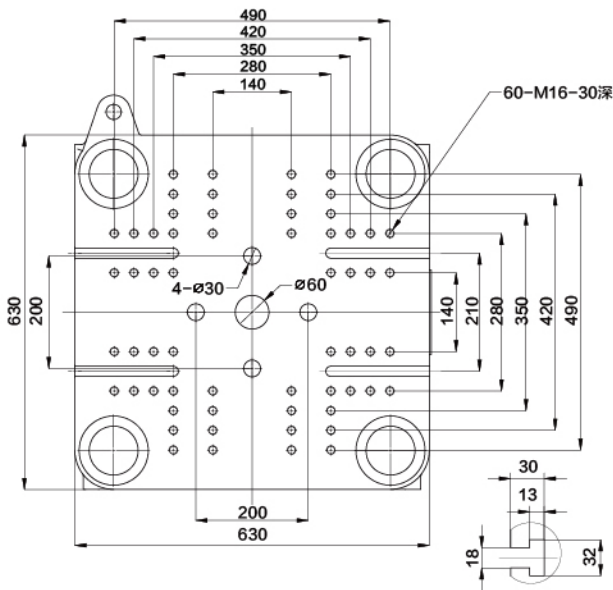
DKM machinery spec.		DKM-130PET I	
		A	B
INJECTION UNIT			
Screw Diameter	mm	42	45
Screw L/D Ratio	(L/D)	24.9	23.4
Shot Volume	cm³	235	270
Injection Weight	g	282	324
Injection Pressure	Mpa	163	142
Screw Speed	rpm	0-200	
CLAMPING UNIT			
Clamping Tonnage	KN	1300	
Toggle Stroke	mm	390	
Tie Bar Distance	mm	417*417	
Max.Mold Height	mm	460	
Min.Mold Height	mm	160	
Min.Mould Size	mm	295*295	
Ejector Stroke	mm	120	
Ejector Tonnage	KN	46	
Ejector Number	n	5	
OTHERS			
Max.Pump Pressure	Mpa	16	
Pump Motor Power	KW	16.4	
Heater Power	KW	7.7	
Machine Dimension	m	4.6×1.3×1.9	
Machine Weight	t	4.7	
Oil Tank Capacity	L	230	



Dimensions

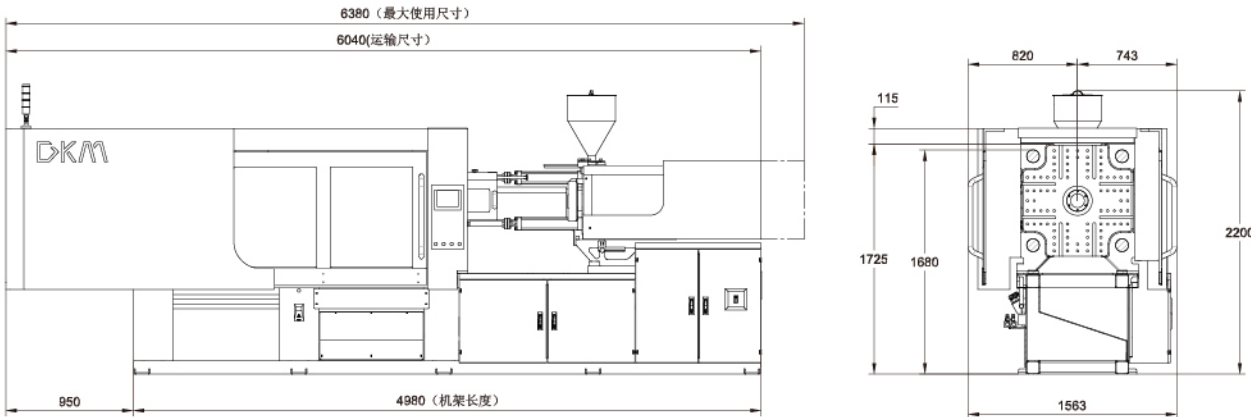
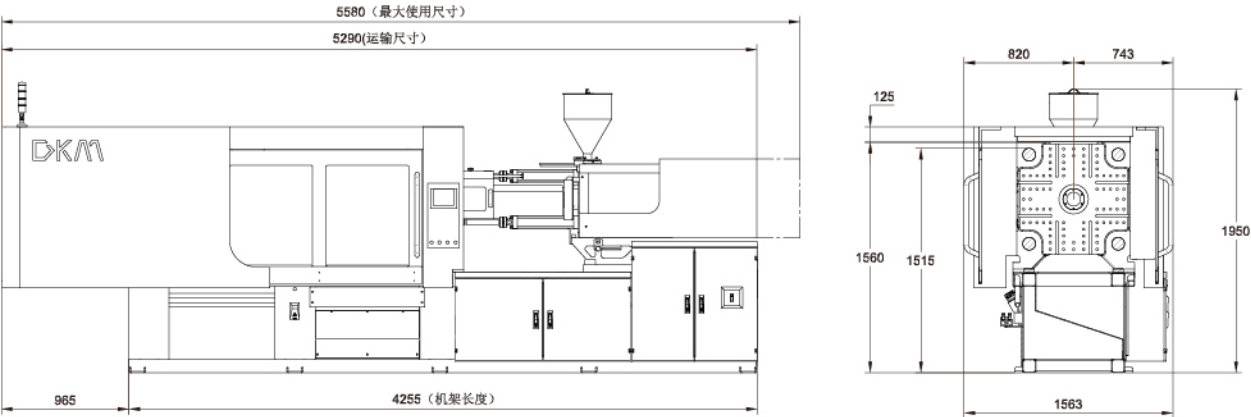
a	b	c	d
390	160-460	Φ4.5	Φ125
e	f	g	
SR10	270	30	

Mold Platen Drawing

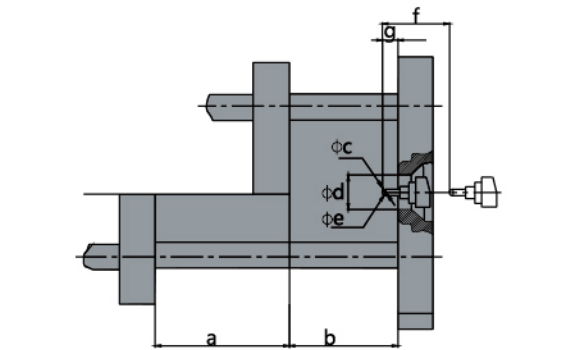


DKM-180PET I

DKM-250PET I



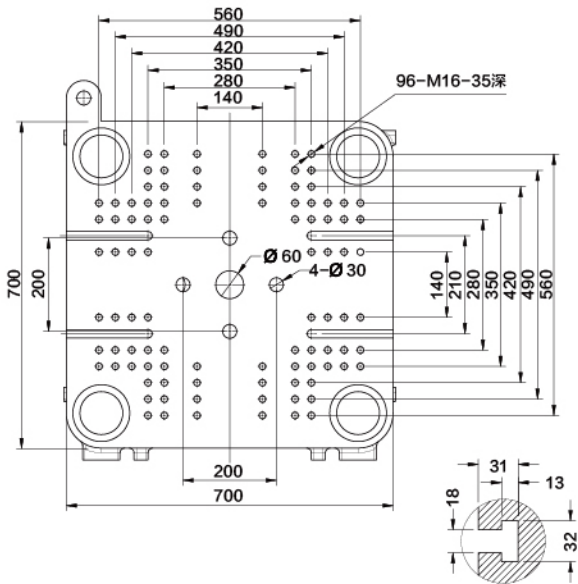
DKM machinery spec.		DKM-180PET I	
		A	B
INJECTION UNIT			
Screw Diameter	mm	45	50
Screw L/D Ratio	(L/D)	24	22.5
Shot Volume	cm³	395	488
Injection Weight	g	474	586
Injection Pressure	Mpa	169	137
Screw Speed	rpm	0-170	
CLAMPING UNIT			
Clamping Tonnage	KN	1800	
Toggle Stroke	mm	435	
Tie Bar Distance	mm	470*470	
Max.Mold Height	mm	550	
Min.Mold Height	mm	180	
Min.Mould Size	mm	330*330	
Ejector Stroke	mm	140	
Ejector Tonnage	KN	53	
Ejector Number	n	5	
OTHERS			
Max.Pump Pressure	Mpa	16	
Pump Motor Power	KW	20.5	
Heater Power	KW	9.3	
Machine Dimension	m	5.29×1.6×1.95	
Machine Weight	t	5.7	
Oil Tank Capacity	L	260	



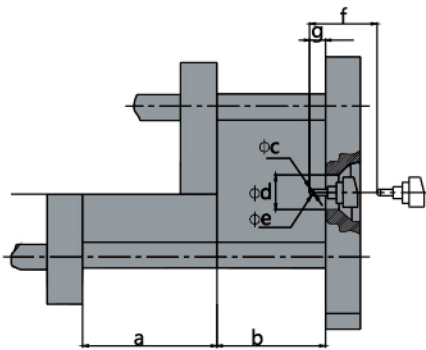
Dimensions

a	b	c	d
435	180-550	Φ4.5	Φ125
e	f	g	
SR10	285	30	

Mold Platen Drawing



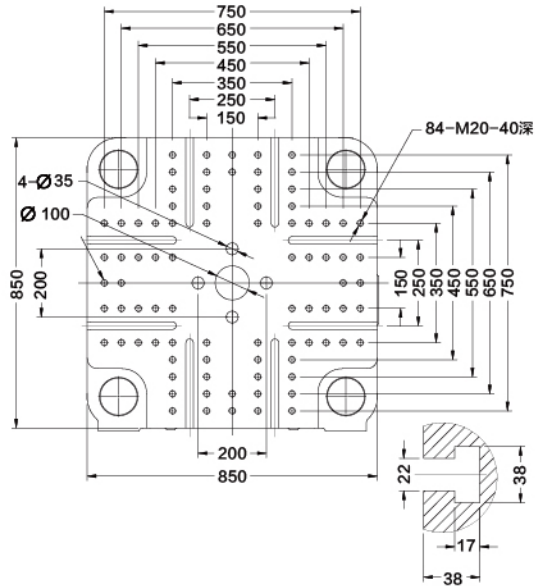
DKM machinery spec.		DKM-250PET I		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	45	50	55
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	421	520	629
Injection Weight	g	505	624	755
Injection Pressure	Mpa	219	178	147
Screw Speed	rpm	0-160		
CLAMPING UNIT				
Clamping Tonnage	KN	2500		
Toggle Stroke	mm	535		
Tie Bar Distance	mm	570*570		
Max.Mold Height	mm	600		
Min.Mold Height	mm	200		
Min.Mould Size	mm	400*400		
Ejector Stroke	mm	155		
Ejector Tonnage	KN	70		
Ejector Number	n	5		
OTHERS				
Max.Pump Pressure	Mpa	16		
Pump Motor Power	KW	26.7		
Heater Power	KW	18		
Machine Dimension	m	6.04×1.56×2.15		
Machine Weight	t	8.6		
Oil Tank Capacity	L	400		



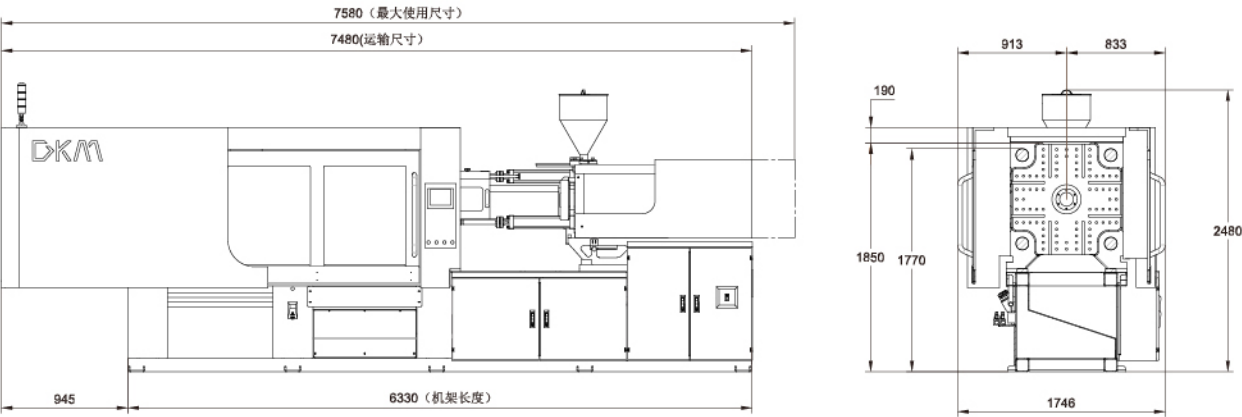
Dimensions

a	b	c	d
535	200-600	Φ6	Φ160
e	f	g	
SR10	340	40	

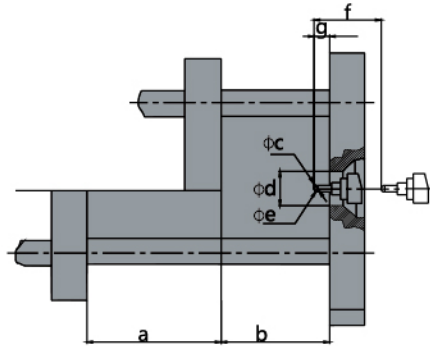
Mold Platen Drawing



DKM-350PET I



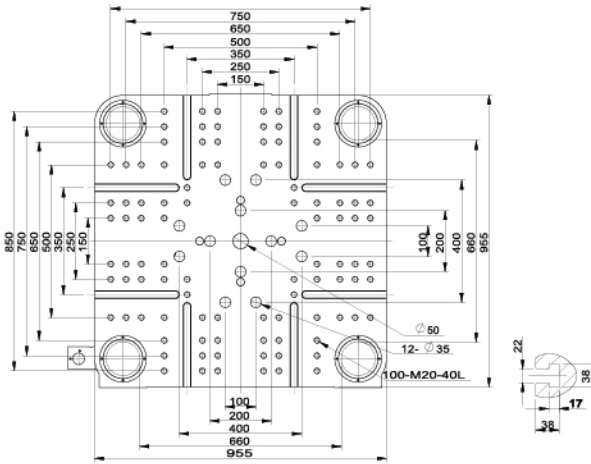
DKM machinery spec.		DKM-350PET I		
		A	B	C
INJECTION UNIT				
Screw Diameter	mm	60	65	70
Screw L/D Ratio	(L/D)	24	24	24
Shot Volume	cm³	989	1160	1345
Injection Weight	g	1187	1392	1614
Injection Pressure	Mpa	204	174	150
Screw Speed	rpm	0-125		
CLAMPING UNIT				
Clamping Tonnage	KN	3500		
Toggle Stroke	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	16		
Pump Motor Power	KW	40.9		
Heater Power	KW	24.9		
Machine Dimension	m	7.48×1.75×2.2		
Machine Weight	t	14		
Oil Tank Capacity	L	500		



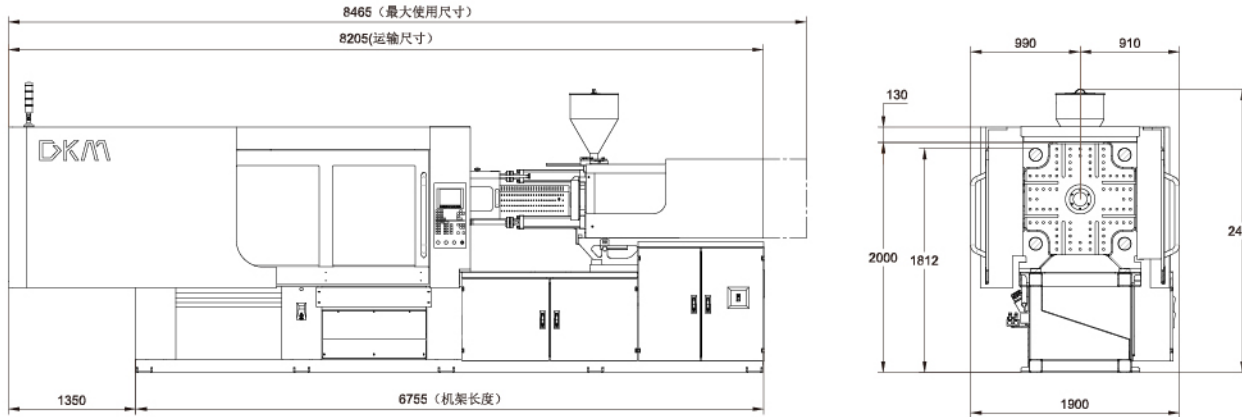
Dimensions

a	b	c	d
560	220-640	Φ6	Φ160
e	f	g	
SR10	390	40	

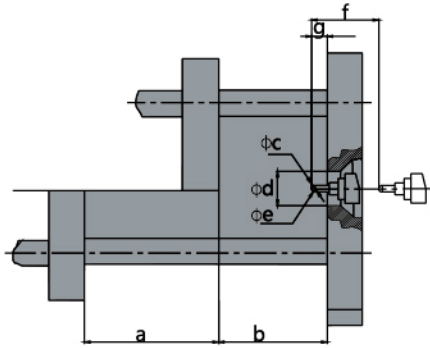
Mold Platen Drawing



DKM-450PET I



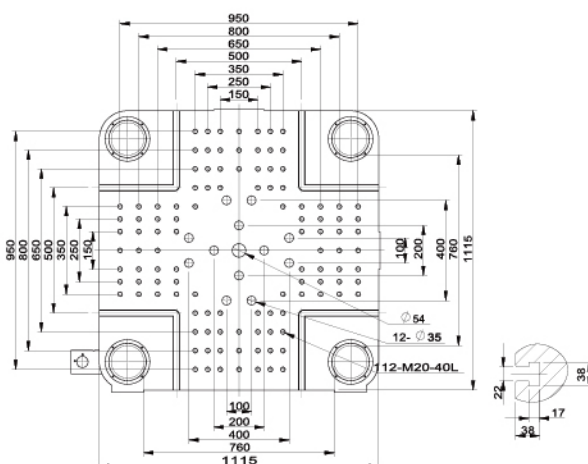
DKM machinery spec.		DKM-450PET I			
		A	B	C	D
INJECTION UNIT					
Screw Diameter	mm	70	75	80	85
Screw L/D Ratio	(L/D)	24	24	24	24
Shot Volume	cm ³	1500	1722	1960	2212
Injection Weight	g	1800	2066	2352	2654
Injection Pressure	Mpa	204	177	156	138
Screw Speed	rpm	0-110			
CLAMPING UNIT					
Clamping Tonnage	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	138			
Ejector Number	n	13			
OTHERS					
Max.Pump Pressure	Mpa	16			
Pump Motor Power	KW	2×26.7			
Heater Power	KW	30			
Machine Dimension	m	8.2×1.9×2.48			
Machine Weight	t	18			
Oil Tank Capacity	L	750			



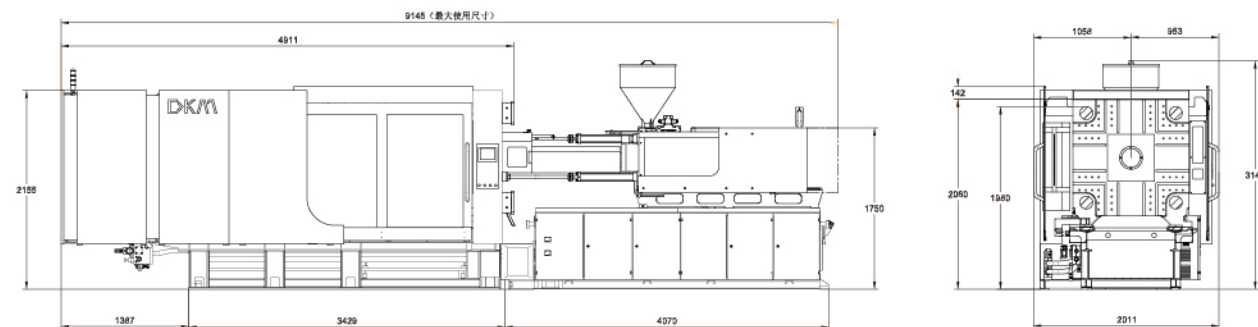
Dimensions

a	b	c	d
700	250-760	Φ8	Φ200
e	f	g	
SR15	200	50	

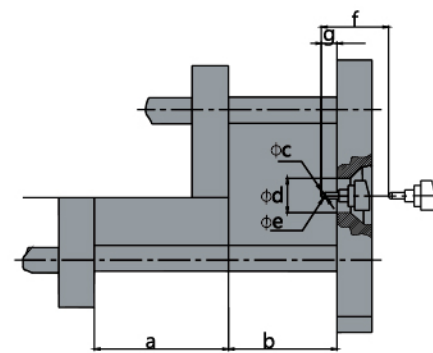
Mold Platen Drawing



DKM-550PET I



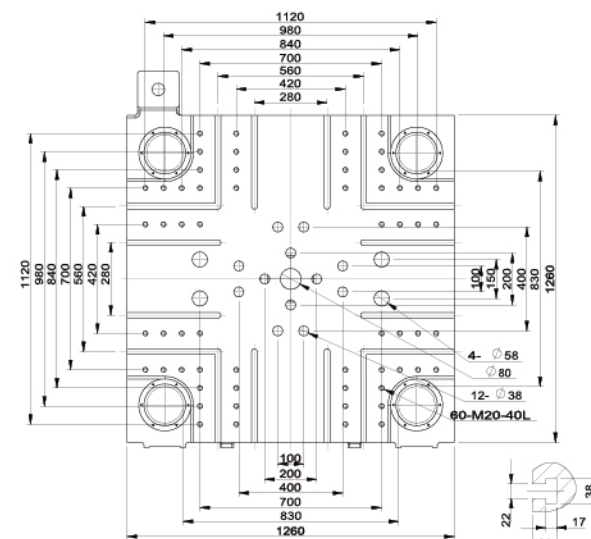
DKM machinery spec.		DKM-550PET I			
		A	B	C	D
INJECTION UNIT					
Screw Diameter	mm	75	80	85	90
Screw L/D Ratio	(L/D)	24	24	24	24
Shot Volume	cm³	1926	2191	2473	2773
Injection Weight	g	2311	2629	2968	3328
Injection Pressure	Mpa	204	180	159	142
Screw Speed	rpm	0-107			
CLAMPING UNIT					
Clamping Tonnage	KN	5500			
Toggle Stroke	mm	850			
Tie Bar Distance	mm	830*830			
Max.Mold Height	mm	850			
Min.Mold Height	mm	290			
Min.Mould Size	mm	580*580			
Ejector Stroke	mm	240			
Ejector Tonnage	KN	150			
Ejector Number	n	17			
OTHERS					
Max.Pump Pressure	Mpa	16			
Pump Motor Power	KW	2×35.6			
Heater Power	KW	40			
Machine Dimension	m	9.15×2×2.48			
Machine Weight	t	22			
Oil Tank Capacity	L	1000			



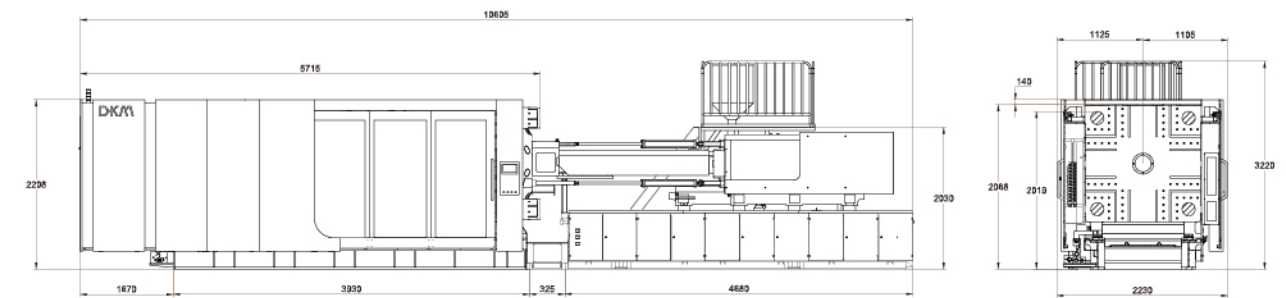
Dimensions

a	b	c	d
850	290-850	Φ8	Φ200
e	f	g	
SR15	490	50	

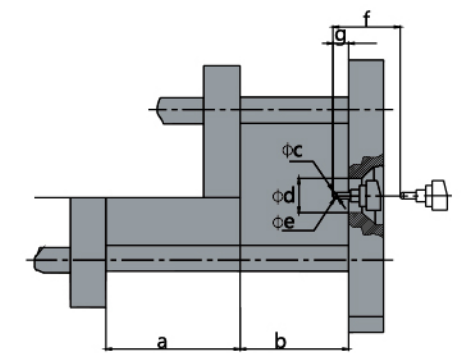
Mold Platen Drawing



DKM-650PET I



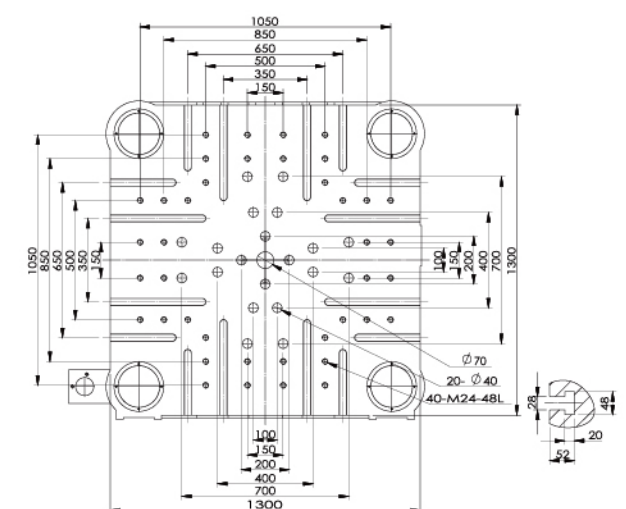
DKM machinery spec.		DKM-650PET I			
		A	B	C	D
INJECTION UNIT					
Screw Diameter	mm	85	90	95	100
Screw L/D Ratio	(L/D)	24	24	24	24
Shot Volume	cm³	2439	2734	3046	3377
Injection Weight	g	2927	3281	3655	4055
Injection Pressure	Mpa	210	188	168	152
Screw Speed	rpm	0-100			
CLAMPING UNIT					
Clamping Tonnage	KN	6500			
Toggle Stroke	mm	900			
Tie Bar Distance	mm	900*900			
Max.Mold Height	mm	1000			
Min.Mold Height	mm	300			
Min.Mould Size	mm	630*630			
Ejector Stroke	mm	240			
Ejector Tonnage	KN	210			
Ejector Number	n	21			
OTHERS					
Max.Pump Pressure	Mpa	16			
Pump Motor Power	KW	2×26.7+35.6			
Heater Power	KW	55.3			
Machine Dimension	m	10.6×2.23×3.2			
Machine Weight	t	33			
Oil Tank Capacity	L	1000			



Dimensions

a	b	c	d
900	300-1000	Φ8	Φ200
e	f	g	
SR15	495	50	

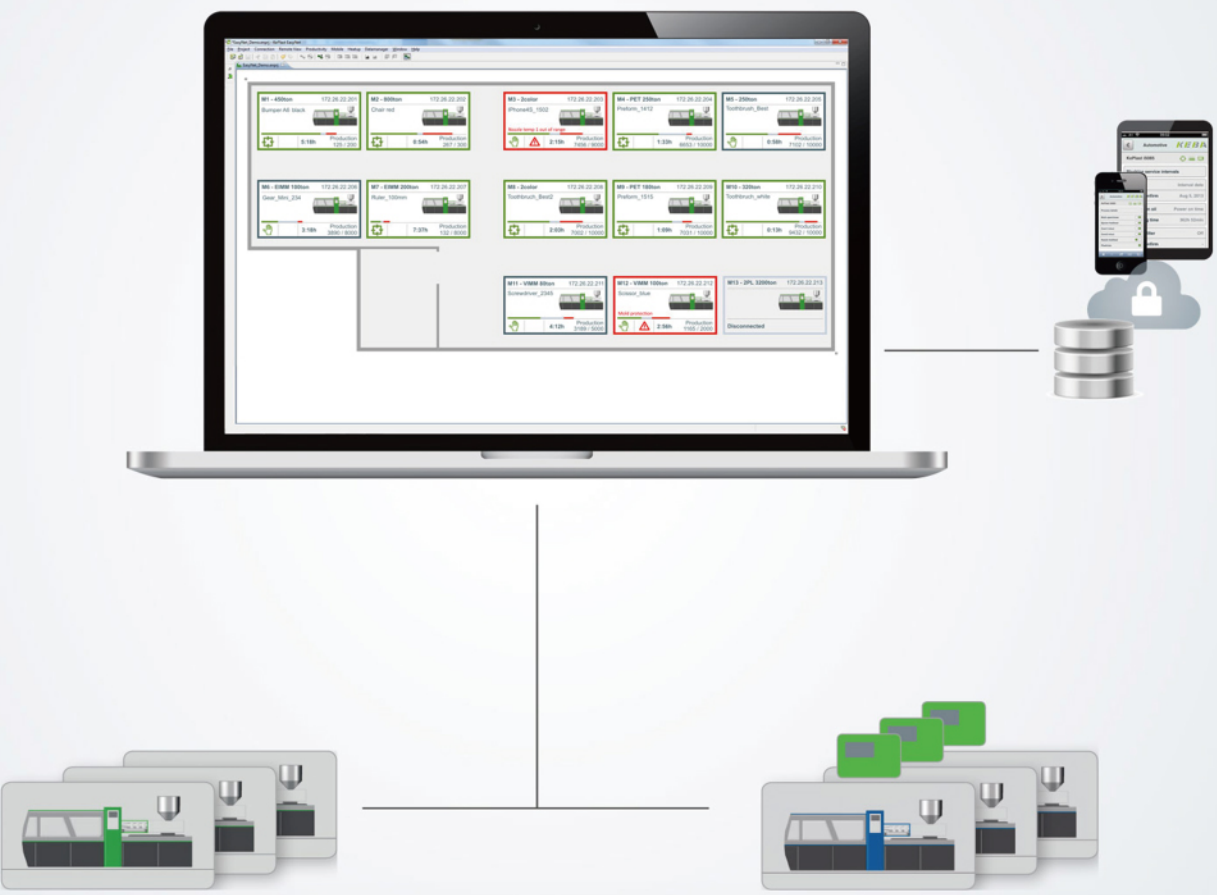
Mold Platen Drawing



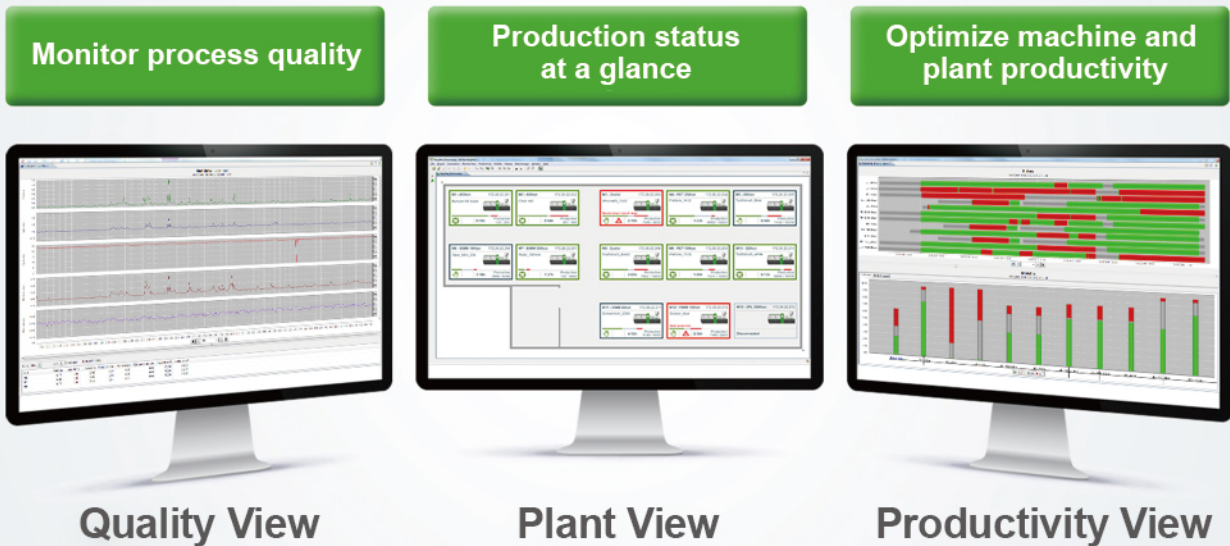
KePlast EasyNet



1 Monitor production with PC, Tablet and Smart Phone



2 Easy data analysis for quality and productivity



3 Easy access to machine data at any time by Tablet and Smart Phone

