

WALMO

FULLY ELECTRIC INJECTION SYSTEM

PRECISE • EFFICIENT • FAST



HAVING THE CORE TECHNOLOGY IS THE MOST RELIABLE



SPECIFICATION

- ▲ RE50-1100
- ▲ RC180-400



Solution

To provide customers with all electric under 1100 tons of all electric injection solutions. The small injection volume model was modified to the large injection volume model. On the basis of the existing monochrome transformation into a two-color. Convert normal rate of fire to high rate of fire.

Help the customer

To solve problems for customers is our fundamental dedicated to customer service.

ABOUT WALMO

HAVING THE CORE TECHNOLOGY IS THE MOST RELIABLE

WALMO PRECISION MACHINERY Co., Ltd. is a company committed to all-electric injection technology as a platform, research and development production of ultra-high speed injection molding systems, multi-color injection molding process, packaging bottle cap injection system, mould labeling and form a complete set of the high precision mould injection system and the peripheral devices of high-tech company.

All electric injection molding machine compared to previous common with high efficiency and energy saving, clean environmental protection, product precision and other characteristics; on a global scale the technology monopoly by Japanese companies. We gathered people with top talent in automation, software, electrical and mechanic , after several years of hard efforts to research and development success, equipment's precision and stability is equal to Europe and Japan with world-class level.

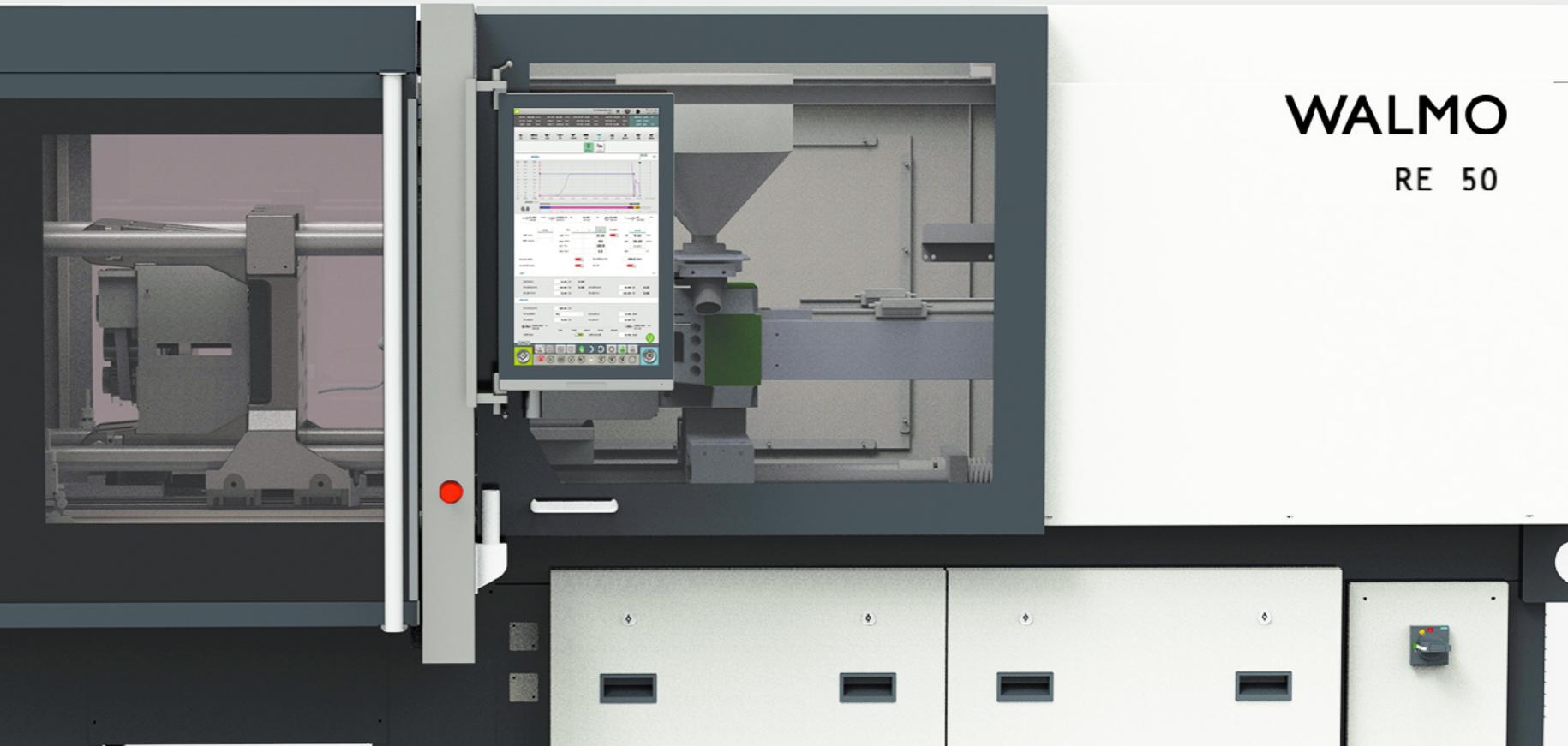
We are all based on the fully electric injection solution platform and we have the incomparable technical advantage and cost advantage .The customer's needs is the goal of our effort .

We have excellent engineer in research and development . We have all the core technology and independent intellectual property rights in the fully electric injection molding machine machine control and system solutions .



FULLY ELECTRIC INJECTION MOLDING MACHINE

REAL SERIES MACHINE HAS SUPER HIGH REPRODUCIBILITY AND PRECISION OF MOVEMENTS THANKS TO THE HIGH-SPEED CPU AND REAL-TIME FIELD BUS SYSTEM.



Stability

The extreme motion control technology and servo system, make injection resolution up to 0.01mm, weight offset less than 0.01g. Swiss made Loadcell and High dynamic injection unit with optimization pressure close loop algorithm. High grade electric and pneumatic parts, Strengthening mechanical structure, make higher production quality.

Long life time

Intelligent mold protection, reduce the risk of mold crush. Close loop trajectory of axis movements, reduce mechanical wear. Close loop torque control, protect mold and reduce loss. Capacitive touch screen, Ultra long life time.

Economy

Advanced intelligent servo driver system, low loss mechanical structure, optimization barrel heating and designed machine heat dissipation structure. Fully servo motor drive directly, without inertia and without oil as medium, power consumption down to 0.3kwh/kg. High dynamic and precision injection movements, less product weight over 6% as conventional hydraulic machine.

Clean

All driven by servo motor, no hydraulic components and oil. Japan import ball screw and linear guides ensure the long life and clean. Industry standards LUBE professional lubrication system.

Productivity

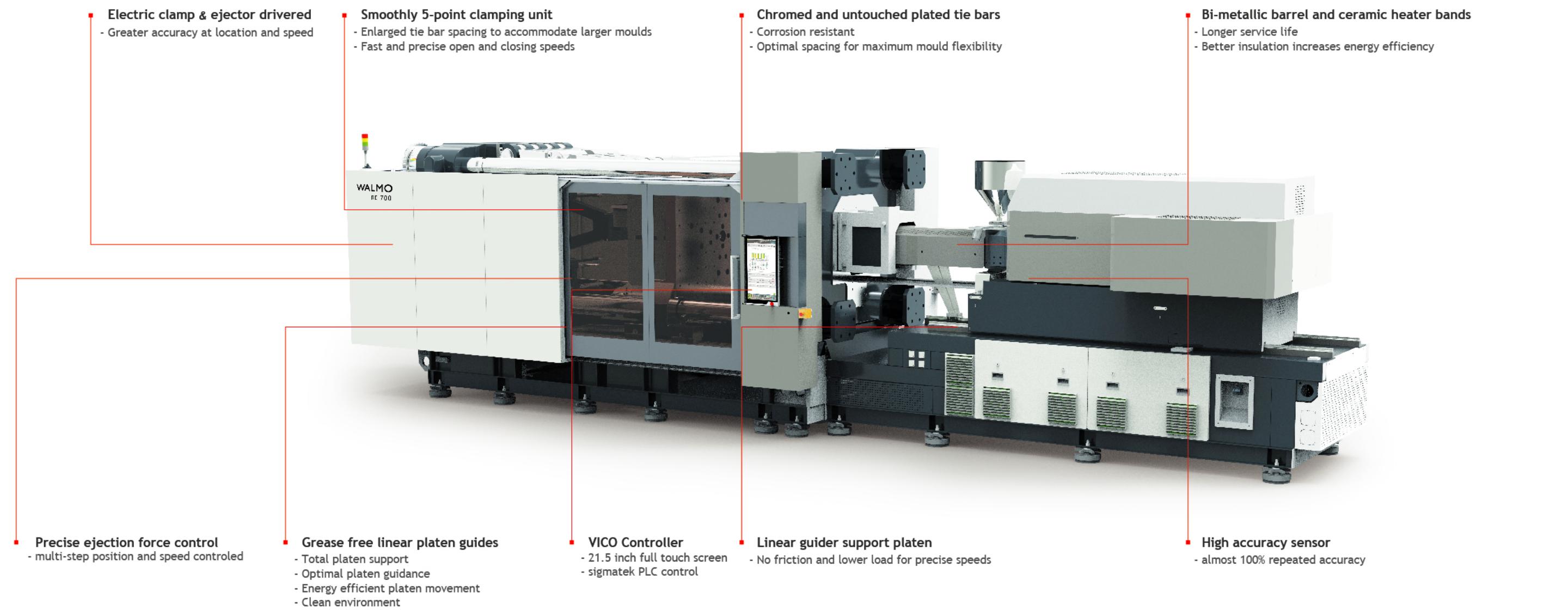
Machine equipped with compress injection, ejector during mold opening and some other parallel movements, may effectively shorten the cycle time. Free programmable process sequence representation of any production process. High speed servo motor and optimized system design for extremely short cycle times and maximum productivity due to the consistent quality of parts. Large tie-bar space, long ejector range, comply Chinese standard and Europe standard mold plate, save a lot production preparation time.

Innovation

Continue study the latest technology of control and motion, investment in a large number of R&D costs to have a wealth of technical reserves. Searching for the latest industry information and process features, challenge the new molding requirements. Continue developing information technology and integration technology.

WALMO
RE 50

THE PERFECT SOLUTION



Clamp force
50ton - 1100ton

Screw Diameter
20mm - 120mm

Injection Speed
160mm/s - 800mm/s

STANDARD PRODUCTS AND MULTI-COLOR

Thanks to the excellence of the motion control technology and top grade servo drive system, injection precision reach to 0.01 mm, Injection weight offset less than 0.01g. very suitable for miniaturization of advanced production with high precision and reliability requirements.

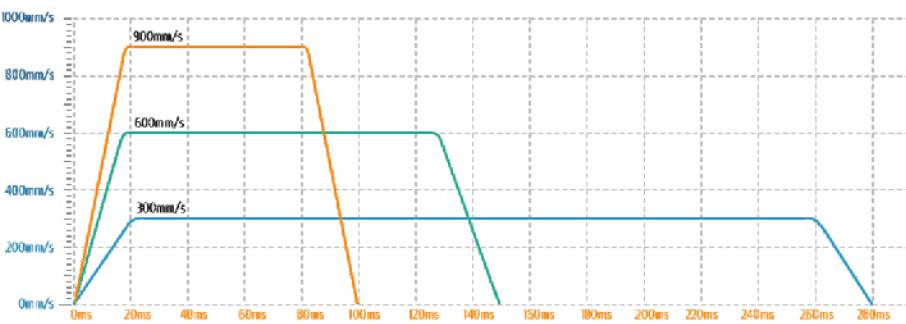
Carrying ultra-high dynamic servo system, Injection speed up to 800mm/s. Can satisfy the complex geometric shapes, optical lens and thin electronic parts.

VIKO control system can programming any special process of complex requirements, greatly reduce the development time of new products and cost.



High dynamic injection unit

Real Series designed for very high dynamic performance injection. The injection speed up to 800mm/s. acc/deceleration up to 4.5G. Customizable higher injection speed also available.



MEDICAL

Real Medical

Suitable for clean room and medical products, REAL Series design a high performance and energy saving system and carried on the comprehensive optimization of the properties of medical products, water cooling servo system, closed lubrication system, the whole machine without oil, clean and less noise.



More Productivity, Less Space

In the Display at ChinaPlas2015, Valmo Presents a 96 Cavities Syringe Needle Cover Producing. A Real-E series RE220H-630h High speed fully electric moulding machine with clean room design used in this application, cycle time 4.1s, dry cycle time down to 1.5s, it's the world first class result. Thanks to the new design of mold and ejector for fast dry cycle.



THIN-WALLED PACKAGING

Thin wall injection molding problem?

Thin-walled packaging is difficult all the time. However, the demands being placed on it are always increasing: it need thinner, lighter and stable to produce with beautiful shape. and the most important was the parts should cost as little as possible.



We have solution, injection-compression function, a combination of both injection molding and compression molding . The melt plastic injected into mold while mold still open and subsequently distributed evenly throughout the cavity after clamping unit compressed. The injection-compression function benefits included shorten cycle time, decreased warping in the mold part, higher dimensional accuracy of parts, and more important here, we can bring higher efficiency and reduce costs. The advanced Walmo VICO control system make it possible to reduce wall thickness, reduce parts weight with

CLOSURE



Beverage closures production require a long-term stable and high-speed production, and excellent production cost control.

High speed injection molding system and high-performance clamping mechanism design provides a very short cycle time. The mould precision grade template parallelism and compact solid frame structure effectively reduce the mechanical and mold consumption. The special injection structure design and high speed plasticizing screws makes the injection rate faster. Flexible programmable function optimized the production process to achieve the shortest cycle time.

In addition to integrate a number of auxiliary functions, such as automatic feeding, 96 district hot runner controller. etc., more dash forward show excellent cost performance.

Our REAL series machines for packaging applications in the field of rigid demand is optimized, effectively shorten the production cycle, improve plasticizing rate, strengthening the protection of grinding tool, reduce the loss of mould, and labor saving. Can be widely used with high productivity, high consistency and low operation cost.

⌚ 3.2s

Real-P 350 -1000h with 2925 72Cavities CAP Mold
It's the first Real-P series machine. The cycle time is 3.2 seconds.

⌚ 2.4s

Real-P 220 -1000h with 3025 32Cavities CAP Mold
It's the fastest Real-P series machine. The cycle time is shorter than 2.4 seconds.

⌚ 1.2s

Real-P 220H -630h with 96Cavities Syringe Cover Mold
It's the fastest dry cycle time machine.



DUO OR MULTI-INJECTION SYSTEM

Multi-Injection system can be adapted to existing mold technology and infrastructure.
Through mixes use of different type of second unit can be achieved multi-color injection process.

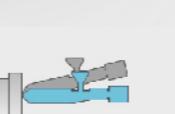


DUO OR MULTI-INJECTION SYSTEM

L-Injection Unit



Vertical position



Piggyback position



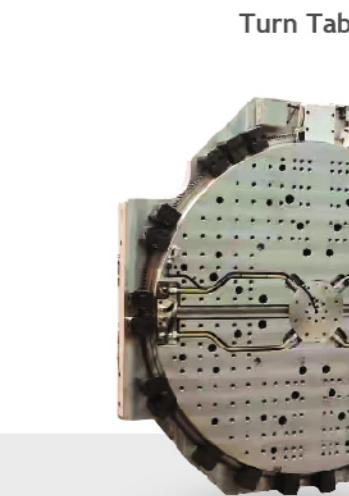
V-Injection Unit

Cavity separation process

The mold usually remains closed for this operation, and mold is compact and inexpensive



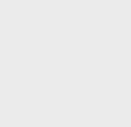
step1
Injection of component1



Turn Table



step2
Pull-back the slide



step3
Injection of component2

Sliding table process



step1
Injection of component1, and move core side to cavity2



step2
Injection of component2

Index process



step1
Injection of component1



step2
Lifting index platen, turning 180degree



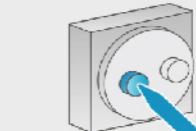
step3
Pull-back of index platen



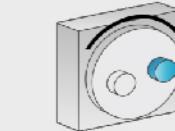
step4
Injection of component2
Simultaneous injection of the next substrate

Turntable process

The number of rotation could up to 4, and this is the most widely used multi-component process



step1
Injection of component1



step2
Rotation of the mold



step3
Injection of component2
Simultaneous injection of component1

SPECIFICATION REAL-COLOR180

MODEL		RC180					
Clamp unit		RC180					
Clamp force	ton	180					
Locking force	ton	190					
Clamp stroke	mm	440					
Total daylight max	mm	990					
Min mold height	mm	180					
Max mold height	mm	550					
Distance between tiebars (H x V)	mm	740X450					
Table diameter	mm	830					
Max mold diameter	mm	900					
Ejector force	ton	4X2					
Ejector stroke	mm	180					
Platen size (H x V)	mm	1000X790					
Distance Between Molds Positing Centers	mm	400					
Injection unit		160H			290H		
Screw diameter	mm	18	25	30	30	35	40
Screw L/D ratio		22	20	18	22	20	18
Screw stroke	mm	130	130	130	165	165	165
Injection unit stroke	mm	320	320	320	350	350	350
Shot weight Max. (PS)	gm	28.3	55	78.8	104	141.6	185
Theoretical shot volume	cc	32	61	88	116	158	207
Injection speed	mm/s	300	300	300	300	300	300
Injection rate	cc/sec	76	146	211	211	287	376
Injection pressure	bar	3000	2700	1900	2500	2000	1600
Holding pressure	bar	2400	2160	1520	2000	1600	1280
Screw torque	Nm	160	160	160	240	240	240
Screw speed	rpm	350	350	350	350	350	350
Plasticining rate (PS)	gm/s	3.8	9	13	18	24	31
Nozzle contact pressure	ton	2.5	2.5	2.5	3	3	3
Total heat capacity	kW	6	7	7	13	13	13
General							
Total connected power	kw	25.3	25.3	25.3	28	28	28
Machine dimension (L x W x H)	m	5.6X1.65X1.83			5.6X1.65X1.83		
Machine weight	ton	11.5			12		

ATION REAL-COLOR230

		RC230					
Force	ton	230					
Stroke	ton	245					
Stroke	mm	490					
Height max	mm	1190					
Height	mm	200					
Height	mm	700					
Between tiebars (H x V)	mm	960X680					
Diameter	mm	1050					
Diameter	mm	1218					
Force	ton	4X2					
Stroke	mm	200					
Base (H x V)	mm	1340X1100					
Between Molds Positioning Centers	mm	500					
Unit		290H			490H		
Diameter	mm	30	235	40	35	40	45
OD ratio		22	20	18	22	20	18
Stroke	mm	165	165	165	190	190	190
Unit stroke	mm	350	350	350	450	450	450
Height Max. (PS)	gm	104	141.6	185	158.7	207	262
Total shot volume	cc	116	158	207	177.9	232	294
Speed	mm/s	300	300	300	300	300	300
Rate	cc/sec	211	287	376	287	376	476
Pressure	bar	2500	2000	1600	2500	2000	1650
Pressure	bar	2000	1600	1280	2000	1600	1320
Torque	Nm	240	240	240	500	500	500
Speed	rpm	350	350	350	300	300	300
Flow rate (PS)	gm/s	18	24	31	27	40	42.5
Contact pressure	ton	3	3	3	3.5	3.5	3.5
Electrical capacity	kW	13	13	13	17	17	17
Connected power	kw	45	45	45	53	53	53
Dimension (L x W x H)	m	6.0X2.0X2.0			6.25X2.0X2.0		
Weight	ton	14.5			15		

APPLICATION REAL-COLOR280

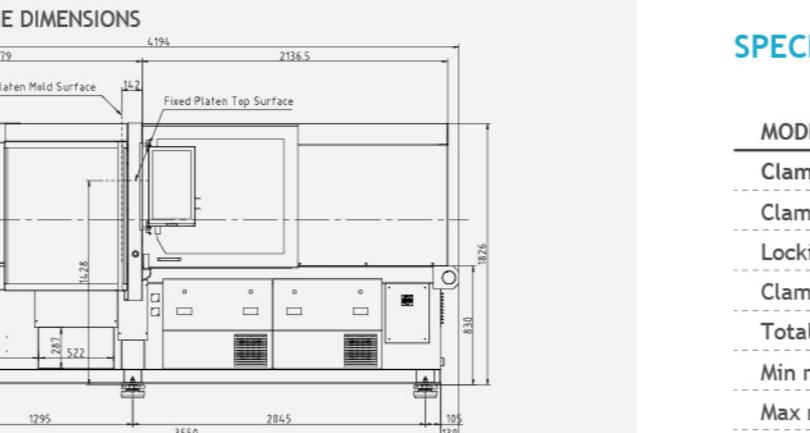
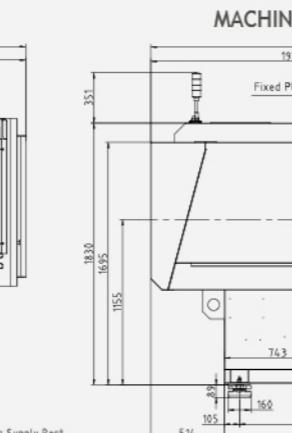
		RC280					
Unit		RC280					
Force	ton						280
Force	ton						300
Stroke	mm						490
Daylight max	mm						1190
Bed height	mm						200
Bed height	mm						700
Between tiebars (H x V)	mm						960X680
Diameter	mm						1050
Bed diameter	mm						1218
Force	ton						4X2
Stroke	mm						200
Size (H x V)	mm						1340X1100
Between Molds Positioning Centers	mm						500
Unit		290H			490H		
Diameter	mm	30	35	40	35	40	45
H/D ratio		22	20	18	22	20	18
Stroke	mm	165	165	165	190	190	190
Unit stroke	mm	350	350	350	450	450	450
Height Max. (PS)	gm	104	141.6	185	158.7	207	262
Critical shot volume	cc	116	158	207	177.9	232	294
Shot speed	mm/s	300	300	300	300	300	300
Shot rate	cc/sec	211	287	376	287	376	476
Max pressure	bar	2500	2000	1600	2500	2000	1650
Min pressure	bar	2000	1600	1280	2000	1600	1320
Torque	Nm	240	240	240	500	500	500
Speed	rpm	350	350	350	300	300	300
Shooting rate (PS)	gm/s	18	24	31	27	40	42.5
Contact pressure	ton	3	3	3	3.5	3.5	3.5
Heat capacity	kW	13	13	13	17	17	17
Connected power	kw	45	45	45	53	53	53
Dimension (L x W x H)	m	6.0X2.0X2.0			6.25X2.0X2.0		
Net weight	ton	14.5			15		

SPECIFICATION EAL-C

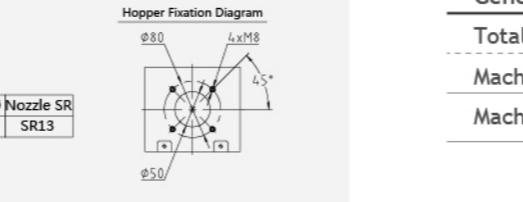
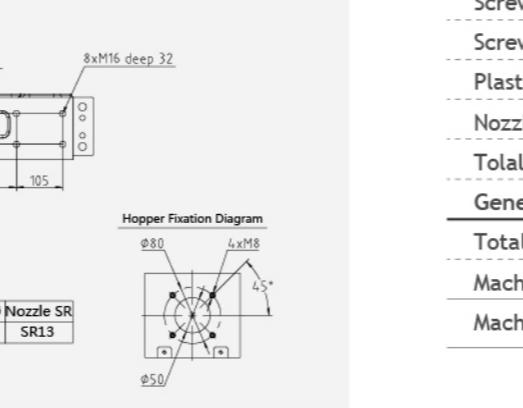
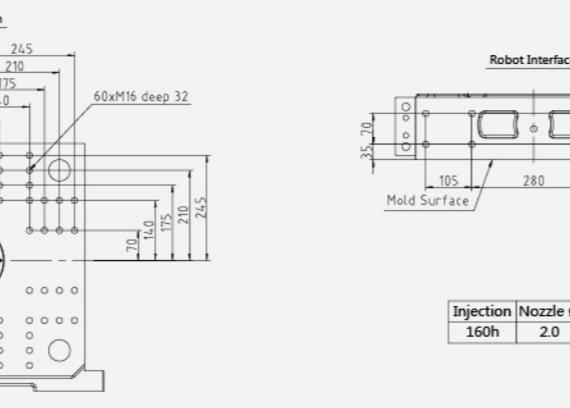
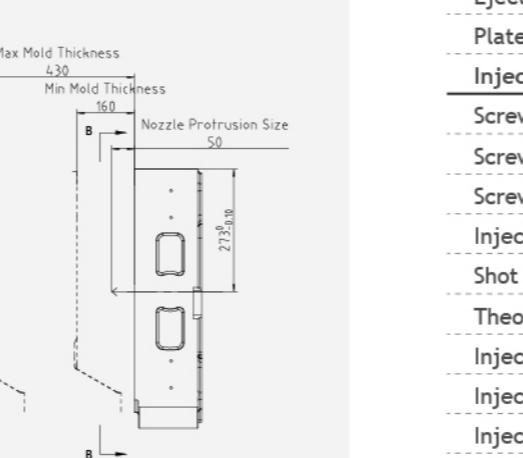
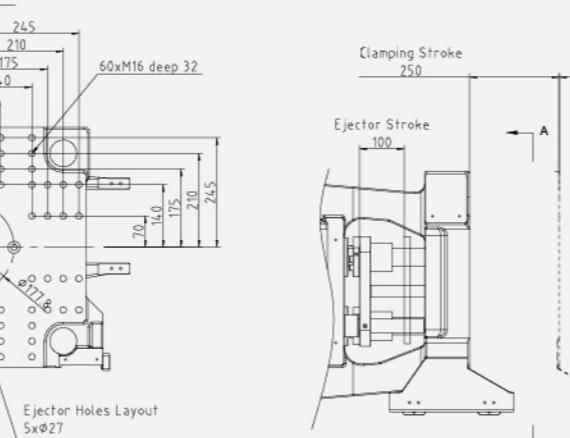
MODEL		RC400					
Clamp unit		RC400					
Clamp force	ton						400
Locking force	ton						420
Clamp stroke	mm						610
Total daylight max	mm						1360
Min mold height	mm						220
Max mold height	mm						750
Distance between tiebars (H x V)	mm						1150X650
Table diameter	mm						1270
Max mold diameter	mm						1360
Ejector force	ton						6.5X2
Ejector stroke	mm						220
Platen size (H x V)	mm						1520X1030
Distance Between Molds Positioning Centers	mm						550
Injection unit		490H				630H	
Screw diameter	mm	35	40	45	40	45	
Screw L/D ratio		22	20	18	22	20	
Screw stroke	mm	190	190	190	210	210	
Injection unit stroke	mm	450	450	450	450	450	
Shot weight Max. (PS)	gm	158.7	207	262	230	290	
Theoretical shot volume	cc	177.9	232	294	257	325	
Injection speed	mm/s	300	300	300	300	300	
Injection rate	cc/sec	287	376	476	376	476	
Injection pressure	bar	2500	2000	1650	2450	1950	
Holding pressure	bar	2000	1600	1320	1960	1560	
Screw torque	Nm	500	500	500	500	500	
Screw speed	rpm	300	300	300	300	300	
Plasticinig rate (PS)	gm/s	27	40	42.5	40	46	
Nozzle contact pressure	ton	3.5	3.5	3.5	3.5	3.5	
Total heat capacity	kW	17	17	17	17.5	17.5	
General							
Total connected power	kw	68	68	68	69	69	
Machine dimension (L x W x H)	m	7.7X2.2X2.1				7.7X2.2X2.1	
Machine weight	ton	19.5				19.5	

SPECIFICATION REAL-E50

MODEL	RE50
Clamp unit	
Clamp force	ton 50
Locking force	ton 55
Clamp stroke	mm 250
Total daylight max	mm 680
Min mold height	mm 160
Max mold height	mm 430
Distance between tiebars (H x V)	mm 370x370
Ejector force	ton 2
Ejector stroke	mm 100
Platen size (H x V)	mm 520x535
Injection unit	160H
Screw diameter	mm 18 25 30
Screw L/D ratio	22 20 18
Screw stroke	mm 130 130 130
Injection unit stroke	mm 320 320 320
Shot weight Max. (PS)	gm 29 55 78.8
Theoretical shot volume	cc 32 61 88
Injection speed	mm/s 300 300 300
Injection rate	cc/sec 76 146 211
Injection pressure	bar 3000 2700 1900
Holding pressure	bar 2400 2160 1520
Screw torque	Nm 160 160 160
Screw speed	rpm 350 350 350
Plasticining rate (PS)	gm/s 3.8 9 13
Nozzle contact pressure	ton 2.5 2.5 2.5
Total heat capacity	kW 6 7 7
General	
Total connected power	kw 12 13 13
Machine dimension (L x W x H)	m 4.2X1.4X1.8
Machine weight	ton 4

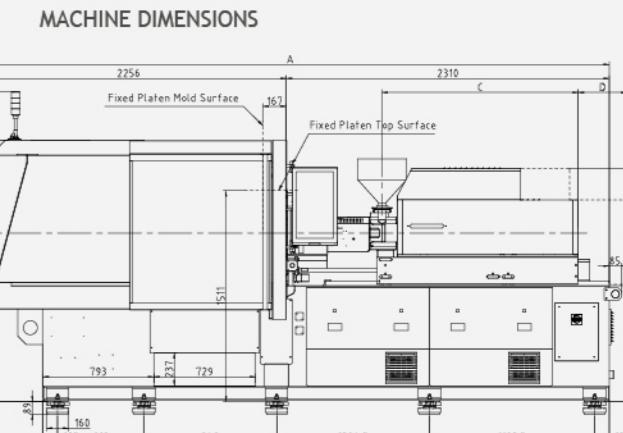
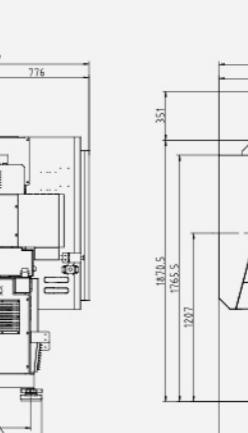


PLATEN DIMENSIONS



SPECIFICATION REAL-E80

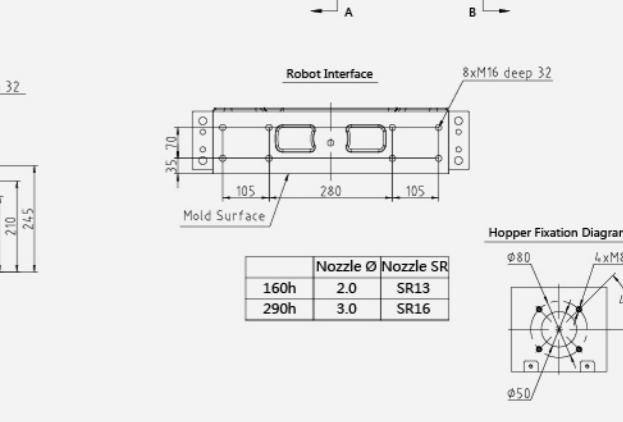
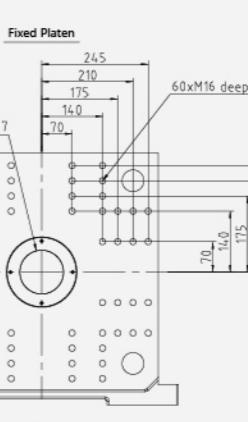
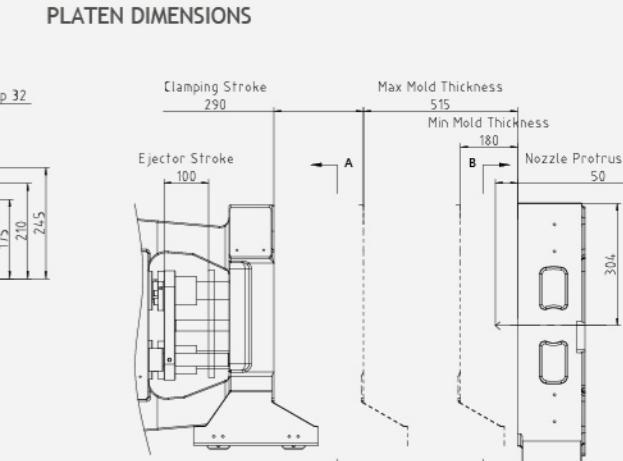
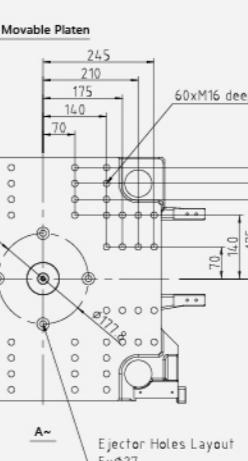
MODEL	RE80
Clamp unit	
Clamp force	ton 80
Locking force	ton 85
Clamp stroke	mm 290
Total daylight max	mm 805
Min mold height	mm 180
Max mold height	mm 515
Distance between tiebars (H x V)	mm 420X420
Ejector force	ton 2
Ejector stroke	mm 100
Platen size (H x V)	mm 580X595
Injection unit	160H 290H
Screw diameter	mm 18 25 30 30 35 40
Screw L/D ratio	22 20 18 22 20 18
Screw stroke	mm 130 130 130 165 165 165
Injection unit stroke	mm 320 320 320 350 350 350
Shot weight Max. (PS)	gm 28.3 55 78.8 104 141.6 185
Theoretical shot volume	cc 32 61 88 116 158 207
Injection speed	mm/s 300 300 300 300 300 300
Injection rate	cc/sec 76 146 211 211 287 376
Injection pressure	bar 3000 2700 1900 2500 2000 1600
Holding pressure	bar 2400 2160 1520 2000 1600 1280
Screw torque	Nm 160 160 160 240 240 240
Screw speed	rpm 350 350 350 350 350 350
Plasticining rate (PS)	gm/s 3.8 9 13 18 24 31
Nozzle contact pressure	ton 2.5 2.5 2.5 3 3 3
Total heat capacity	kW 6 7 7 13 13 13
General	
Total connected power	kw 17 18.3 18 28 28 28
Machine dimension (L x W x H)	m 4.6X1.5X1.9 4.6X1.5X1.9
Machine weight	ton 4.2 4.4



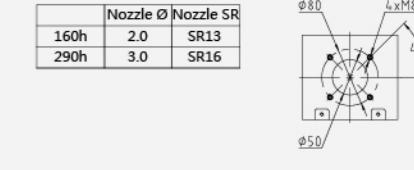
MACHINE DIMENSIONS

Injection	Screw Set	A	B	C	D	Max.Length
160h	Ø25 L/D 20	4566	1670	1403	320	4651
290h	Ø35 L/D 20	4566	1670	1403	350	4800

PLATEN DIMENSIONS



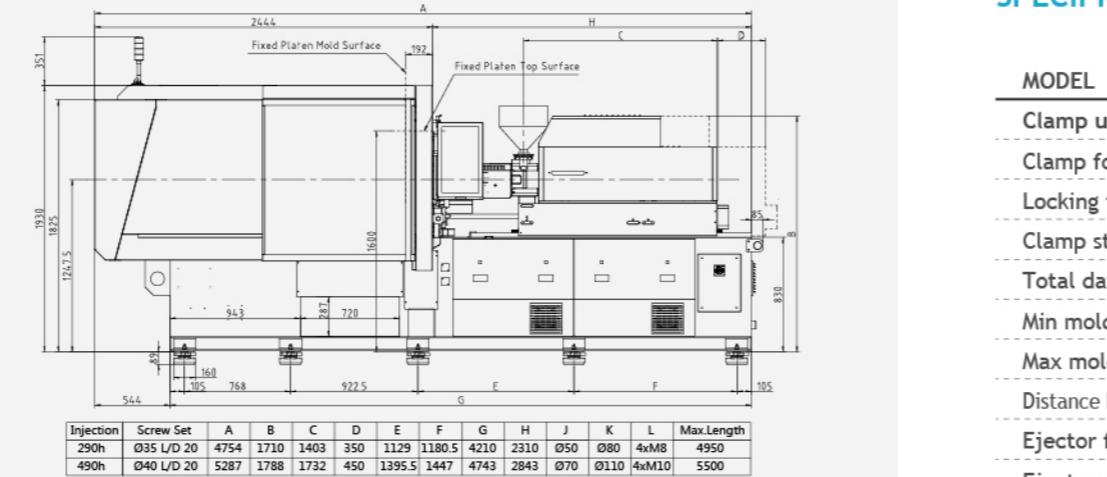
Nozzle Ø	Nozzle SR
160h	2.0 SR13
290h	3.0 SR16



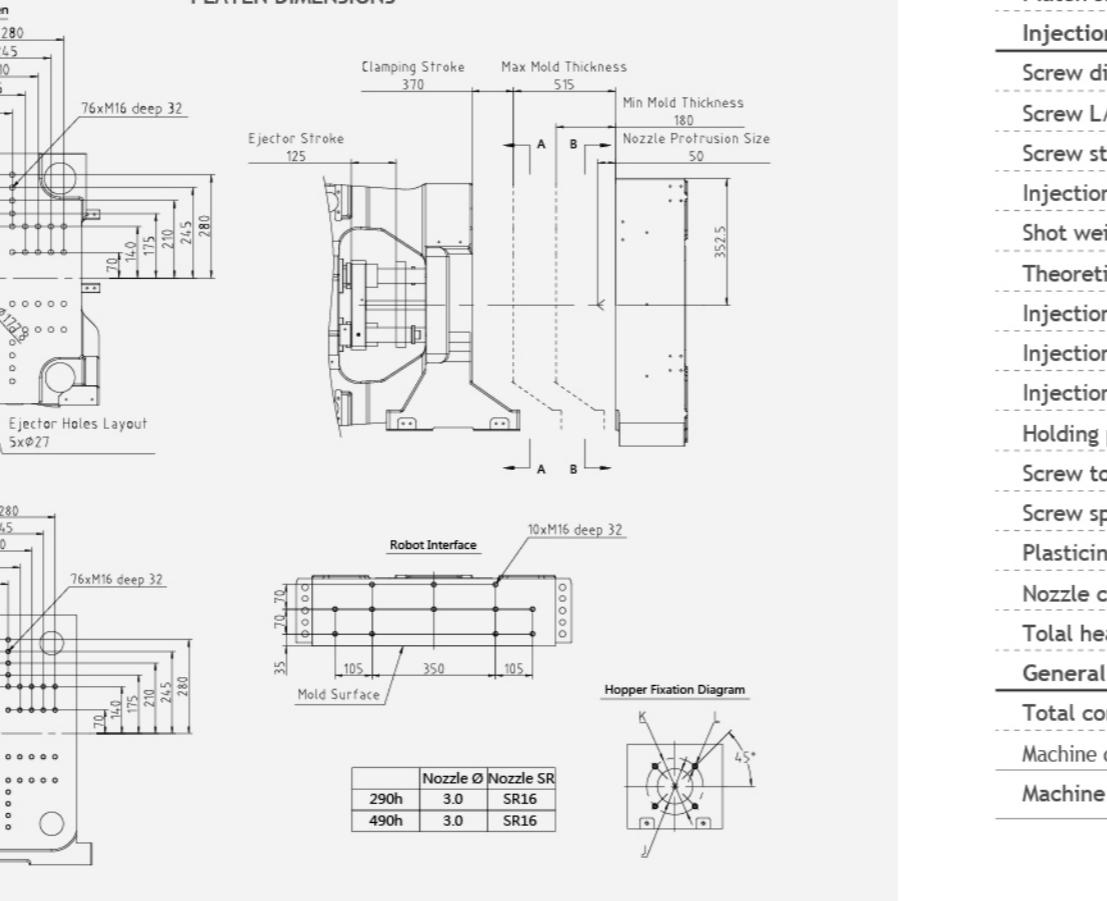
SPECIFICATION REAL-E120

MODEL	RE120	
Clamp unit		ton
Clamp force	120	ton
Locking force	125	ton
Clamp stroke	370	mm
Total daylight max	885	mm
Min mold height	180	mm
Max mold height	515	mm
Distance between tiebars (H x V)	470X470	mm
Ejector force	2.5	ton
Ejector stroke	125	mm
Platen size (H x V)	655X680	mm
Injection unit	290H	490H
Screw diameter	30	mm
	35	mm
	40	mm
	35	mm
	40	mm
	45	mm
Screw L/D ratio	22	20
	18	mm
	22	20
	18	mm
Screw stroke	165	mm
	165	mm
	165	mm
	190	mm
	190	mm
	190	mm
Injection unit stroke	350	350
	350	mm
	450	mm
	450	mm
	450	mm
Shot weight Max. (PS)	104	141.6
	185	gm
	158.7	207
	262	gm
Theoretical shot volume	116	158
	207	cc
	177.9	232
	294	cc
Injection speed	300	300
	300	mm/s
	300	mm/s
	300	mm/s
Injection rate	211	287
	376	cc/sec
	287	cc/sec
	376	cc/sec
	476	cc/sec
Injection pressure	2500	2000
	1600	bar
	2500	bar
	2000	bar
	1650	bar
Holding pressure	2000	1600
	1280	bar
	2000	bar
	1600	bar
	1320	bar
Screw torque	240	240
	240	Nm
	500	Nm
	500	Nm
	500	Nm
Screw speed	350	350
	350	rpm
	300	300
	300	300
Plasticining rate (PS)	18	24
	31	gm/s
	27	gm/s
	40	gm/s
	42.5	gm/s
Nozzle contact pressure	3	3
	3	ton
	3.5	ton
	3.5	ton
Tolal heat capacity	13	13
	13	kW
	17	kW
	17	kW
	17	kW
General		
Total connected power	28	28
	28	kw
	33	33
	33	kw
Machine dimension (L x W x H)	4.8X1.6X2	5.3X1.6X2
Machine weight	5.2	5.8

MACHINE DIMENSIONS



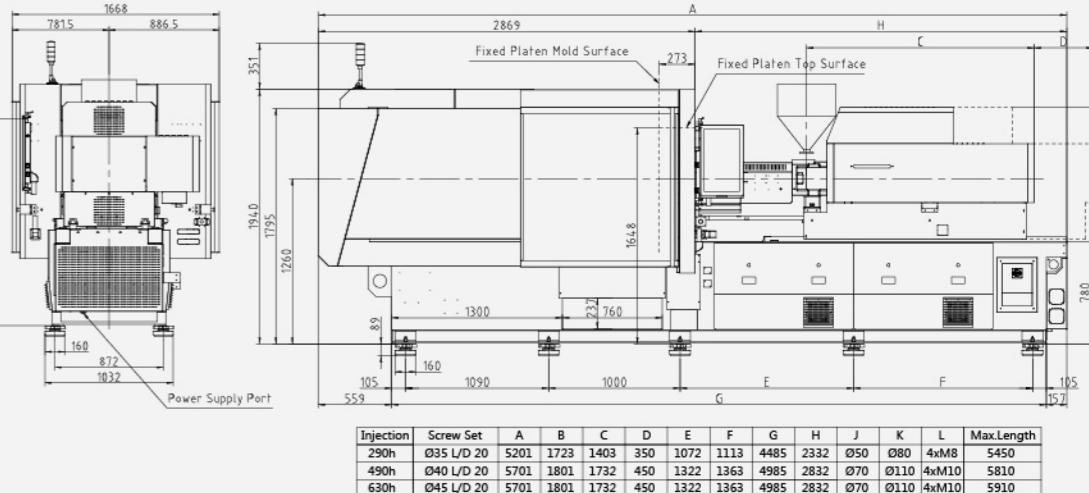
PLATEN DIMENSIONS



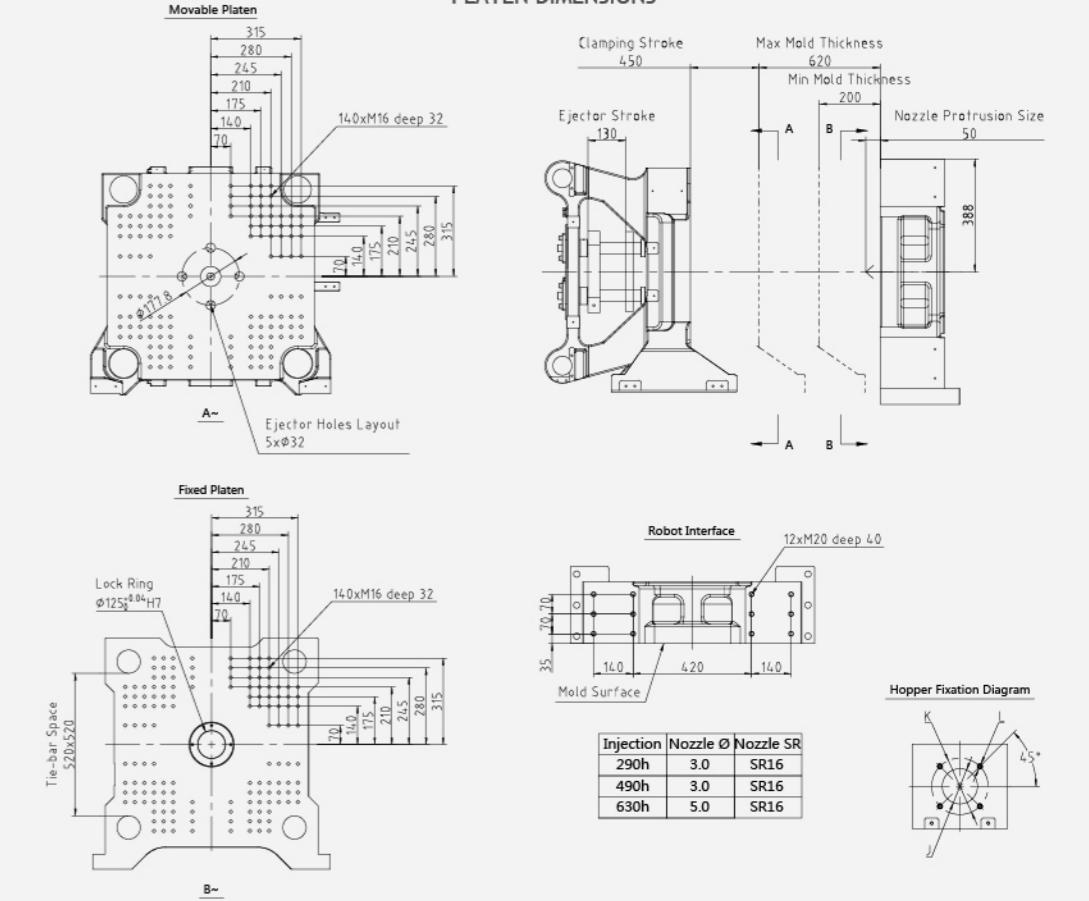
SPECIFICATION REAL-E150

MODEL	RE150	
Clamp unit		ton
Clamp force	150	ton
Locking force	155	ton
Clamp stroke	450	mm
Total daylight max	1070	mm
Min mold height	200	mm
Max mold height	620	mm
Distance between tiebars (H x V)	520X520	mm
Ejector force	3	ton
Ejector stroke	130	mm
Platen size (H x V)	720X720	mm
Injection unit	490H	630H
Screw diameter	35	mm
	40	mm
	45	mm
	40	mm
	45	mm
	50	mm
Screw L/D ratio	22	20
	18	mm
	22	20
	18	mm
Screw stroke	190	190
	190	mm
	210	mm
	210	mm
	210	mm
Injection unit stroke	450	450
	450	mm
	450	mm
	450	mm
Shot weight Max. (PS)	158.7	207
	262	gm
	230	290
	359	gm
Theoretical shot volume	177.9	232
	294	cc
	257	325
	402	cc
Injection speed	300	300
	300	mm/s
	300	mm/s
	300	mm/s
Injection rate	287	376
	476	cc/sec
	376	cc/sec
	476	cc/sec
	588	cc/sec
Injection pressure	2500	2000
	1650	bar
	2450	bar
	1950	bar
	1600	bar
Holding pressure	2000	1600
	1320	bar
	1960	bar
	1560	bar
	1280	bar
Screw torque	500	500
	500	Nm
	500	Nm
	500	Nm
Screw speed	300	300
	300	rpm
	300	300
	300	300
Plasticining rate (PS)	27	40
	42.5	gm/s
	40	46
	55	gm/s
Nozzle contact pressure	3.5	3.5
	3.5	ton
	3.5	ton
	3.5	ton
Tolal heat capacity	17	17
	17	kW
	17.5	17.5
	17.5	kW
General		
Total connected power	33	33
	33	kw
	34	34
	34	kw
Machine dimension (L x W x H)	5.7X1.7X2	5.7X1.7X2
Machine weight	7.5	8

MACHINE DIMENSIONS



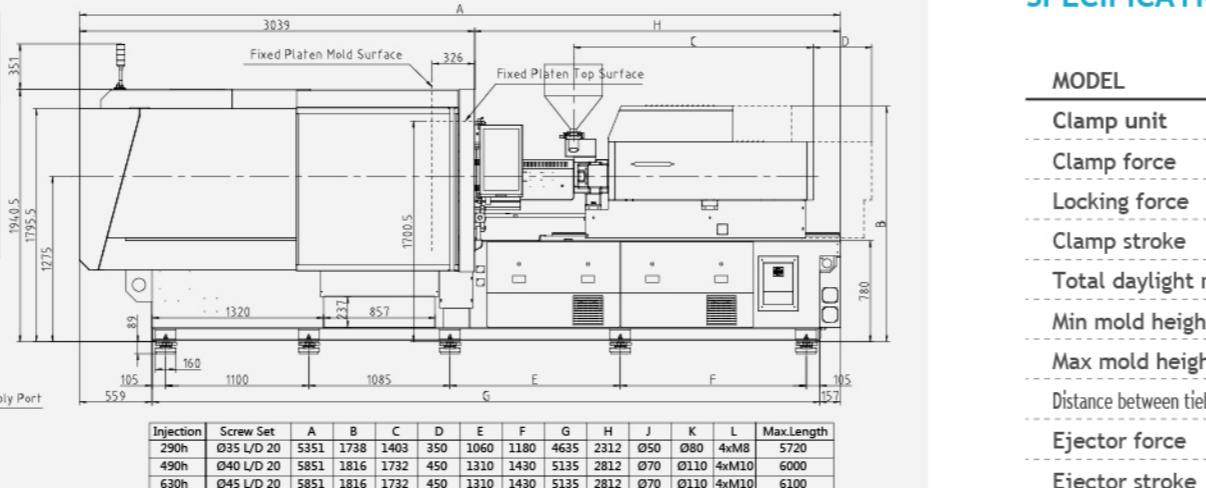
PLATEN DIMENSIONS



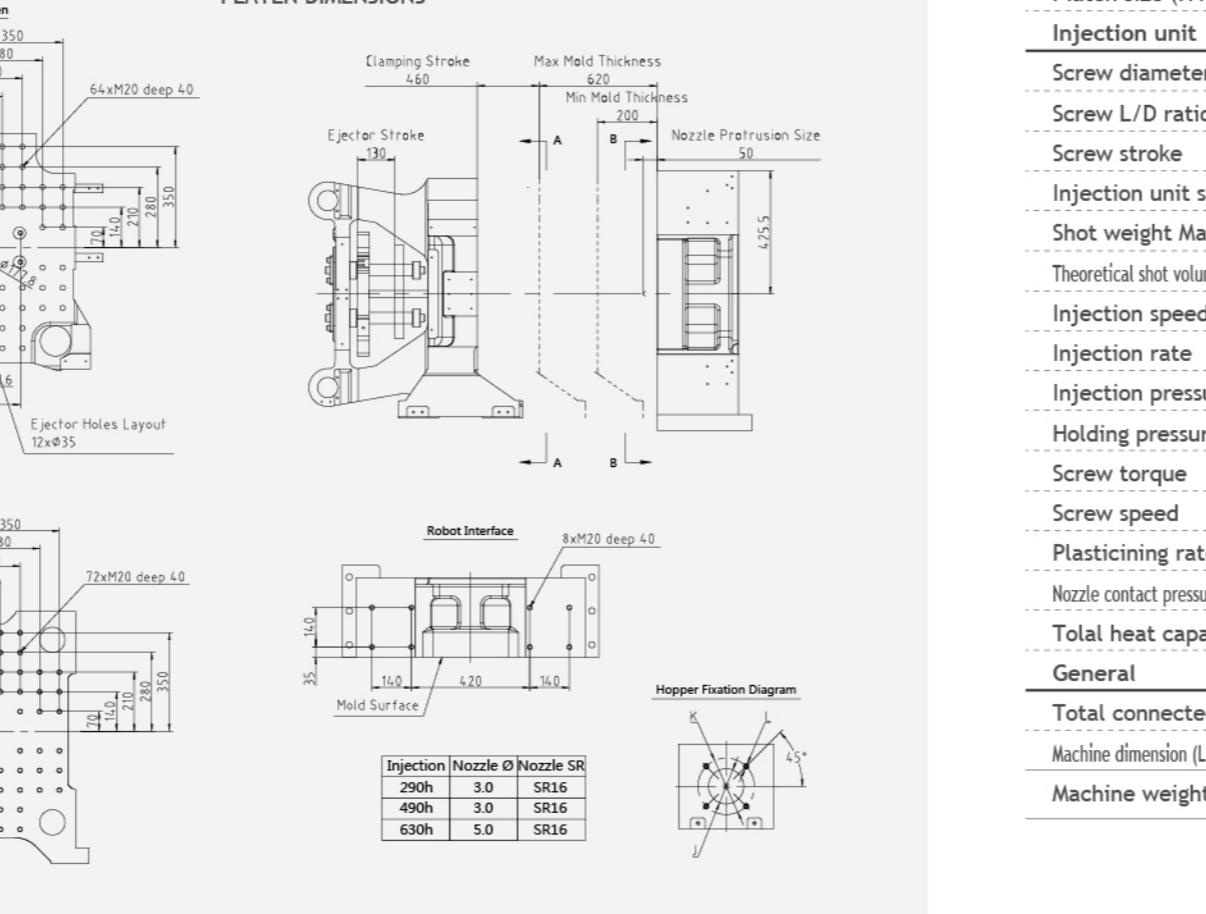
SPECIFICATION REAL-E180

MODEL	RE180									
Clamp unit	RE180									
Clamp force	ton 180									
Locking force	ton 190									
Clamp stroke	mm 460									
Total daylight max	mm 1080									
Min mold height	mm 200									
Max mold height	mm 620									
Distance between tiebars (H x V)	mm 560X560									
Ejector force	ton 3									
Ejector stroke	mm 130									
Platen size (H x V)	mm 785X800									
Injection unit	490H					630H				
Screw diameter	mm	35	40	45	40	45	50			
Screw L/D ratio		22	20	18	22	20	18			
Screw stroke	mm	190	190	190	210	210	210			
Injection unit stroke	mm	450	450	450	450	450	450			
Shot weight Max. (PS)	gm	158.7	207	262	230	290	359			
Theoretical shot volume	cc	177.9	232	294	257	325	402			
Injection speed	mm/s	300	300	300	300	300	300			
Injection rate	cc/sec	287	376	476	376	476	588			
Injection pressure	bar	2500	2000	1650	2450	1950	1600			
Holding pressure	bar	2000	1600	1320	1960	1560	1280			
Screw torque	Nm	500	500	500	500	500	500			
Screw speed	rpm	300	300	300	300	300	300			
Plasticining rate (PS)	gm/s	27	40	42.5	40	46	55			
Nozzle contact pressure	ton	3.5	3.5	3.5	3.5	3.5	3.5			
Total heat capacity	kW	17	17	17	17.5	17.5	17.5			
General										
Total connected power	kw	33	33	33	34	34	34			
Machine dimension (L x W x H)	m	5.9X1.8X2			5.9X1.8X2					
Machine weight	ton	8.5			8.9					

MACHINE DIMENSIONS



PLATEN DIMENSIONS



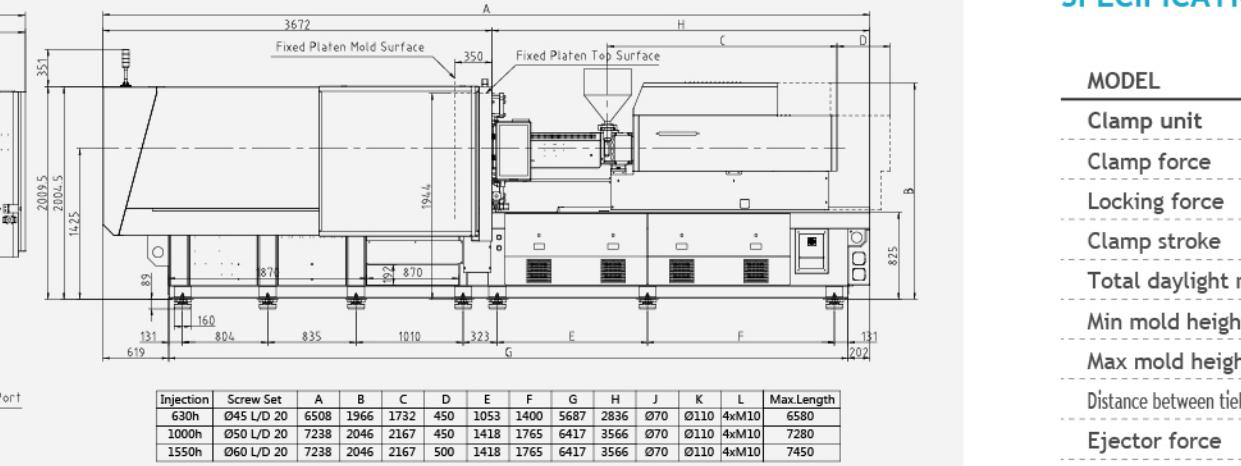
SPECIFICATION REAL-E220

MODEL	RE220									
Clamp unit	RE220									
Clamp force	ton 220									
Locking force	ton 240									
Clamp stroke	mm 510									
Total daylight max	mm 1190									
Min mold height	mm 250									
Max mold height	mm 680									
Distance between tiebars (H x V)	mm 620X620									
Ejector force	ton 4									
Ejector stroke	mm 140									
Platen size (H x V)	mm 855X840									
Injection unit	630H					1000H				
Screw diameter	mm	40	45	50	45	50	60	50	60	70
Screw L/D ratio		22	20	18	22	20	18	22	20	18
Screw stroke	mm	210	210	210	245	245	245	285	285	285
Injection unit stroke	mm	450	450	450	450	450	450	500	500	500
Shot weight Max. (PS)	gm	230	290	359	347	430	618	499	719	978
Theoretical shot volume	cc	257	325	402	389	480	692	559	805	1096
Injection speed	mm/s	300	300	300	300	300	300	300	300	300
Injection rate	cc/sec	376	476	588	476	588	847	588	847	1155
Injection pressure	bar	2450	1950	1600	2600	2100	1460	2450	1950	1450
Holding pressure	bar	1960	1560	1280	2080	1680	1150	1960	1560	1160
Screw torque	Nm	500	500	500	900	900	900	900	900	900
Screw speed	rpm	300	300	300	300	300	300	250	250	250
Plasticining rate (PS)	gm/s	40	46	55	45	56	79	46	71	89
Nozzle contact pressure	ton	3.5	3.5	3.5	4	4	4	4	4	4
Total heat capacity	kW	17.5	17.5	17.5	31	31	31	35	35	35
General										
Total connected power	kw	34	34	34	51	51	51	64	64	64
Machine dimension (L x W x H)	m	6.1X1.9X2.								

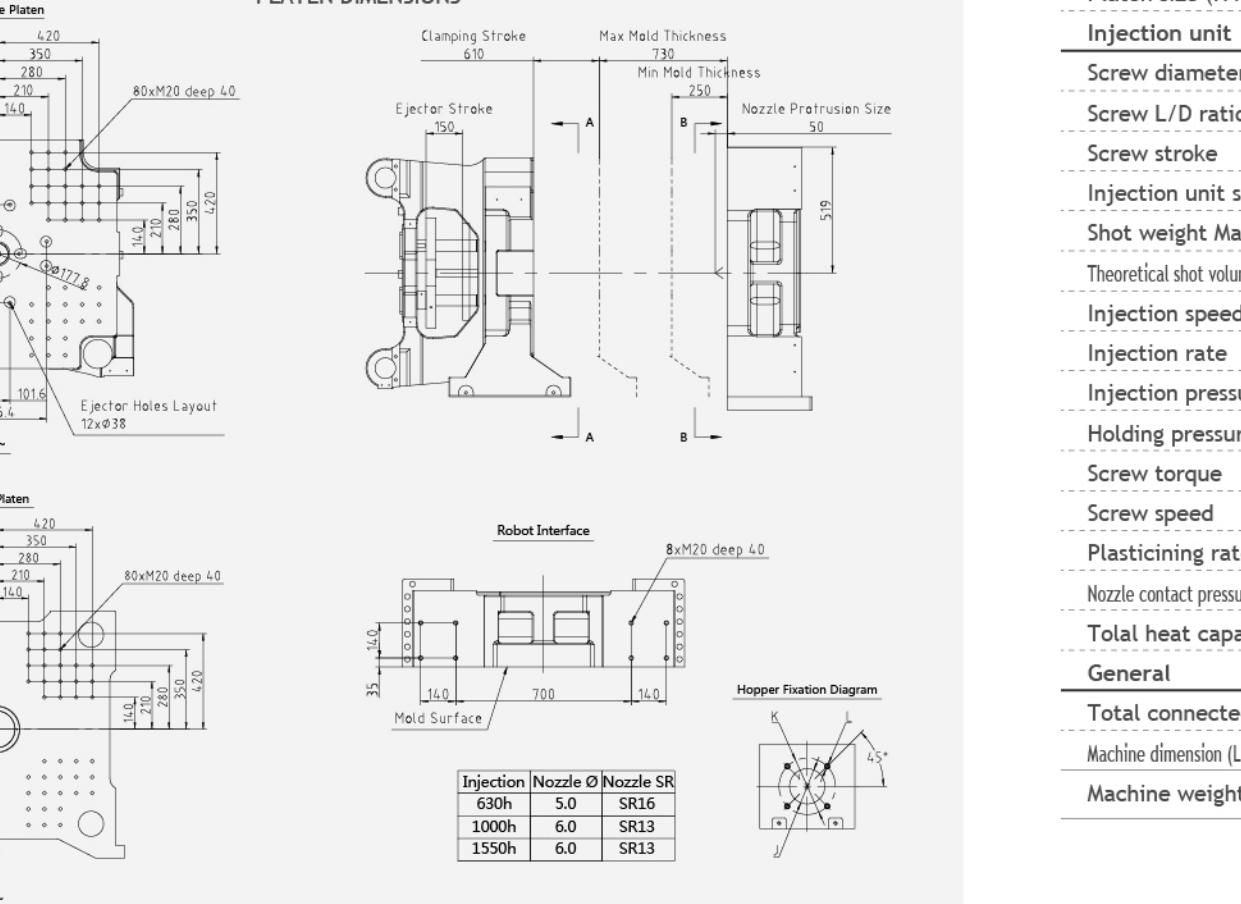
SPECIFICATION REAL-E280

MODEL	RE280					
Clamp unit	RE280					
Clamp force	ton 280					
Locking force	ton 300					
Clamp stroke	mm 610					
Total daylight max	mm 1340					
Min mold height	mm 250					
Max mold height	mm 730					
Distance between tiebars (H x V)	mm 720X720					
Ejector force	ton 5					
Ejector stroke	mm 150					
Platen size (H x V)	mm 985X950					
Injection unit	1000H 1550H					
Screw diameter	mm 45	50	60	50	60	70
Screw L/D ratio	22	20	18	22	20	18
Screw stroke	mm 245	245	245	285	285	285
Injection unit stroke	mm 450	450	450	500	500	500
Shot weight Max. (PS)	gm 347	430	618	499	719	978
Theoretical shot volume	cc 389	480	692	559	805	1096
Injection speed	mm/s 300	300	300	300	300	300
Injection rate	cc/sec 476	588	847	588	847	1155
Injection pressure	bar 2600	2100	1460	2450	1950	1450
Holding pressure	bar 2080	1680	1150	1960	1560	1160
Screw torque	Nm 900	900	900	900	900	900
Screw speed	rpm 300	300	300	250	250	250
Plasticining rate (PS)	gm/s 45	56	79	46	71	89
Nozzle contact pressure	ton 4	4	4	4	4	4
Total heat capacity	kW 31	31	31	35	35	35
General						
Total connected power	kw 64	64	64	75	75	75
Machine dimension (L x W x H)	m 7.3X2X2.1			7.3X2X2.1		
Machine weight	ton 15.5			16		

MACHINE DIMENSIONS



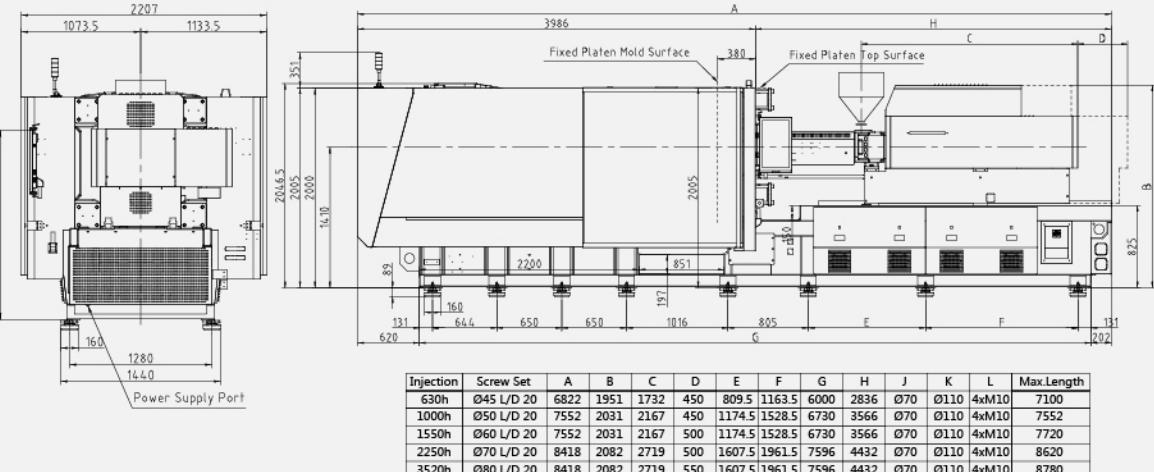
PLATEN DIMENSIONS



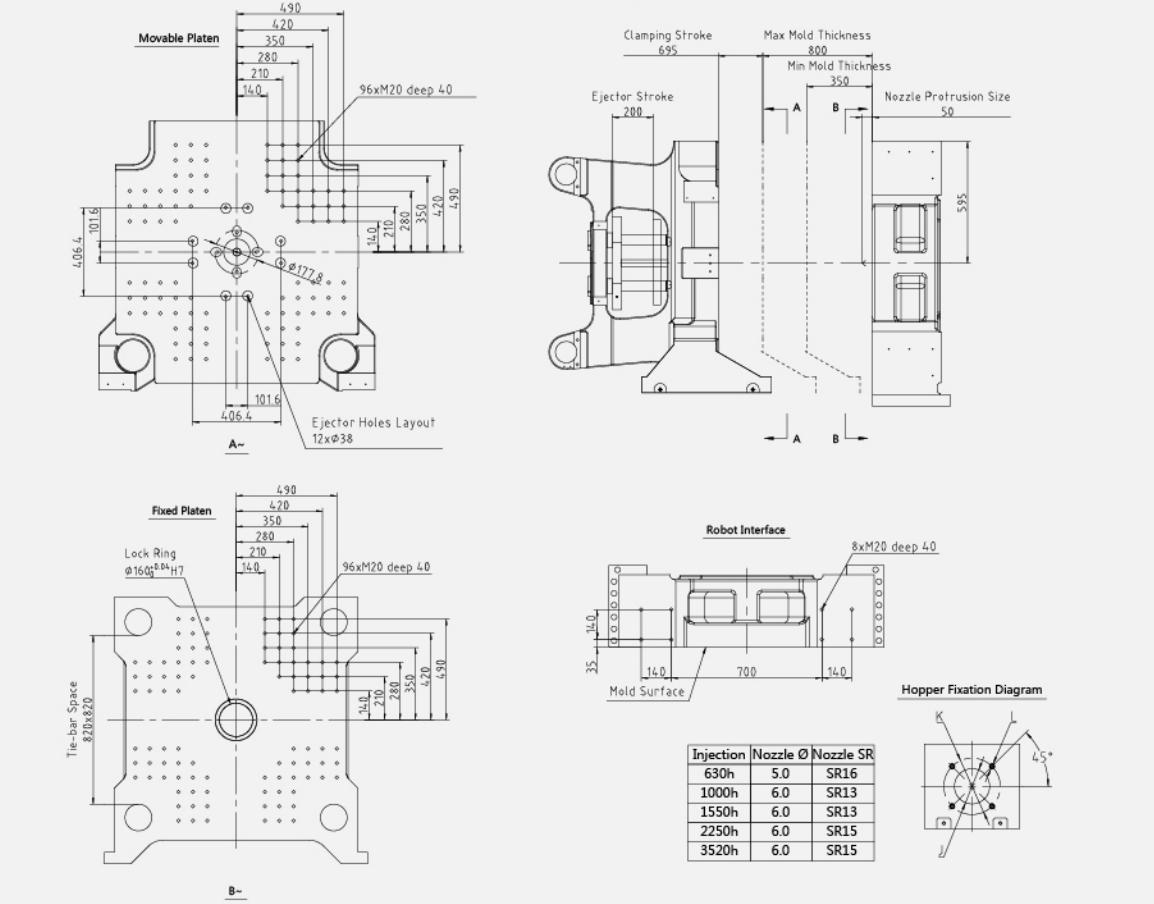
SPECIFICATION REAL-E350

MODEL	RE350					
Clamp unit	RE350					
Clamp force	ton 350					
Locking force	ton 380					
Clamp stroke	mm 695					
Total daylight max	mm 1495					
Min mold height	mm 350					
Max mold height	mm 800					
Distance between tiebars (H x V)	mm 820X820					
Ejector force	ton 7					
Ejector stroke	mm 200					
Platen size (H x V)	mm 1110X1200					
Injection unit	1000H 1550H 2250					
Screw diameter	mm 45	50	60	50	60	70
Screw L/D ratio	22	20	18	22	20	18
Screw stroke	mm 245	245	245	285	285	285
Injection unit stroke	mm 450	450	450	500	500	500
Shot weight Max. (PS)	gm 347	430	618	499	719	978
Theoretical shot volume	cc 389	480	692	559	805	1096
Injection speed	mm/s 300	300	300	300	300	300
Injection rate	cc/sec 476	588	847	588	847	1155
Injection pressure	bar 2600	2100	1460	2450	1950	1450
Holding pressure	bar 2080	1680	1150	1960	1560	1160
Screw torque	Nm 900	900	900	900	900	900
Screw speed	rpm 300	300	300	250	250	250
Plasticining rate (PS)	gm/s 45	56	79	46	71	89
Nozzle contact pressure	ton 4	4	4	4	4	4
Total heat capacity	kW 31	31	31	35	35	35
General						
Total connected power	kw 65	65	65	76	76	76
Machine dimension (L x W x H)	m 7.6X2X2.1			7.6X2X2.1		
Machine weight	ton 18			18.5		20.5

MACHINE DIMENSIONS



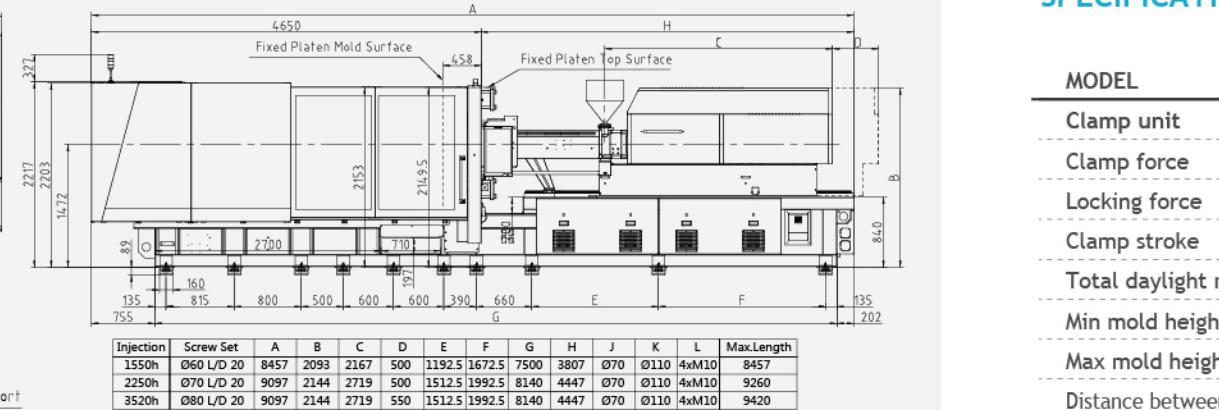
PLATEN DIMENSIONS



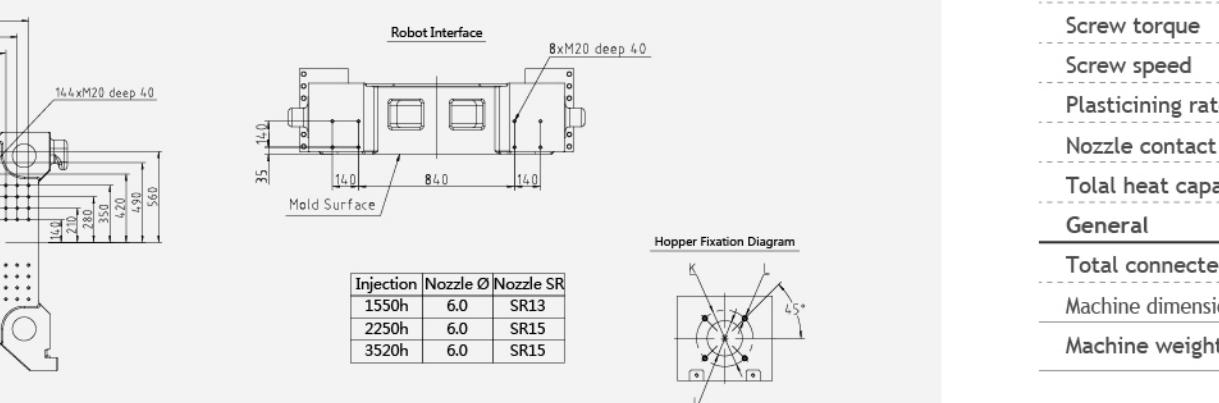
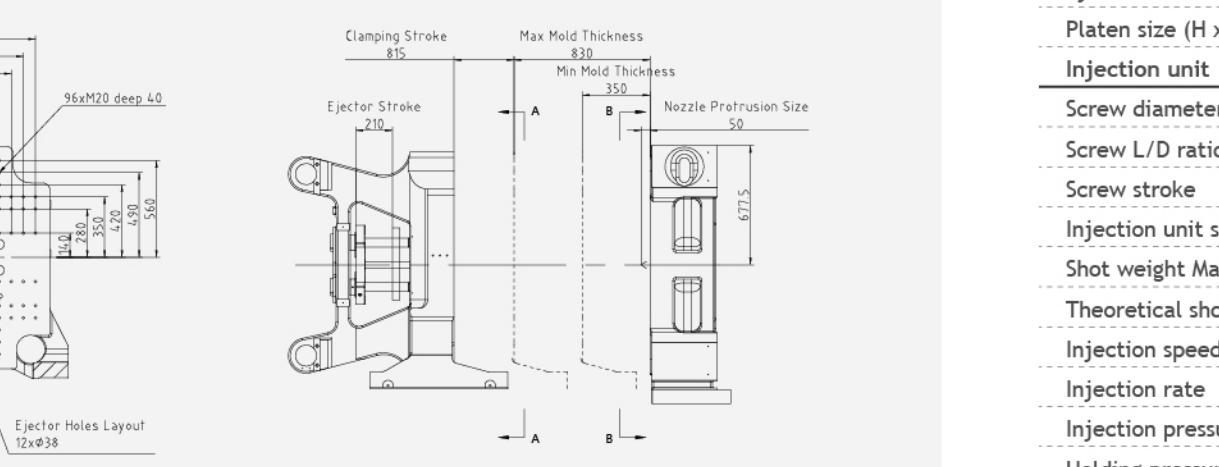
SPECIFICATION REAL-E450

MODEL	RE450	RE450	
Clamp unit			
Clamp force	ton	450	
Locking force	ton	475	
Clamp stroke	mm	815	
Total daylight max	mm	1645	
Min mold height	mm	350	
Max mold height	mm	830	
Distance between tiebars (H x V)	mm	920X920	
Ejector force	ton	8	
Ejector stroke	mm	210	
Platen size (H x V)	mm	1285X1285	
Injection unit	1550H	2250	3520
Screw diameter	mm	50 60 70 60 70 80 70 80 90	
Screw L/D ratio		22 20 18 22 20 18 22 20 18	
Screw stroke	mm	285 285 285 325 325 325 370 370 370	
Injection unit stroke	mm	500 500 500 500 500 500 550 550 550	
Shot weight Max. (PS)	gm	499 719 978 874 1190 1555 1350 1766 2235	
Theoretical shot volume	cc	559 805 1096 918 1250 1632 1420 1852 2353	
Injection speed	mm/s	300 300 300 160 160 160 160 160 160	
Injection rate	cc/sec	588 847 1155 452 616 804 616 804 1018	
Injection pressure	bar	2450 1950 1450 2450 1800 1350 2400 1900 1500	
Holding pressure	bar	1960 1560 1160 1960 1440 1080 1920 1520 1200	
Screw torque	Nm	900 900 900 1600 1600 1600 2000 2000 2000	
Screw speed	rpm	250 250 250 250 250 250 250 250 250	
Plasticining rate (PS)	gm/s	46 71 89 56 76 100 70 88 100	
Nozzle contact pressure	ton	4 4 4 6 6 6 8 8 8	
Total heat capacity	kW	35 35 35 44 44 44 52 52 52	
General			
Total connected power kw	76 76 76 99 99 99 125 125 125		
Machine dimension (L x W x H) m	8.5X2.2X2.4	9.1X2.2X2.4	9.1X2.2X2.4
Machine weight ton	24.5	26	30

MACHINE DIMENSIONS



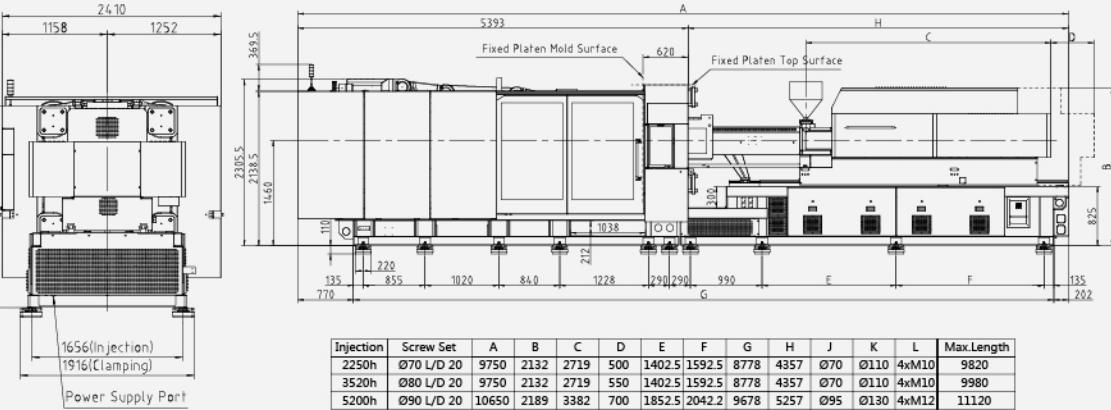
PLATEN DIMENSIONS



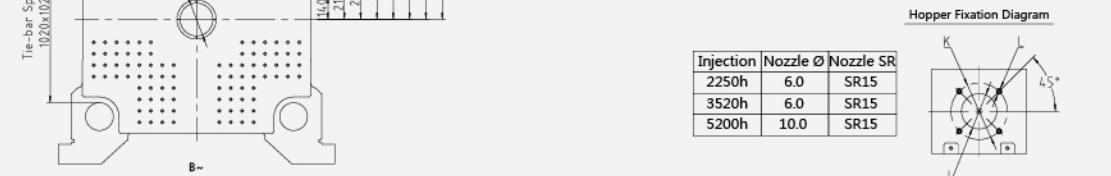
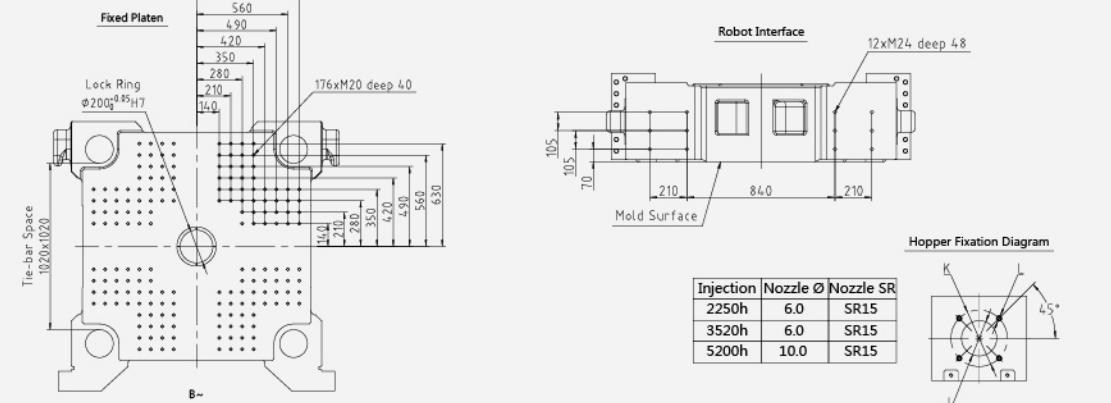
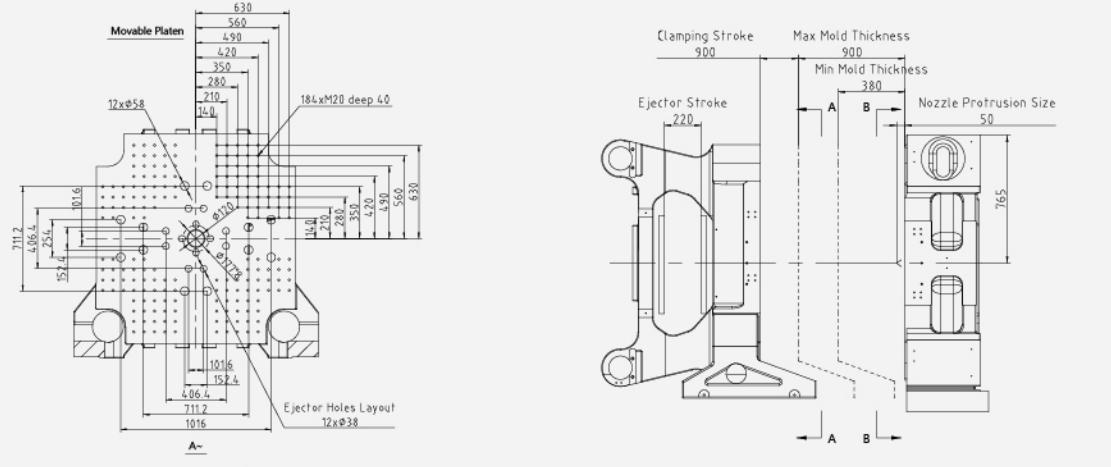
SPECIFICATION REAL-E550

MODEL	RE550	RE550
Clamp unit		
Clamp force	ton	550
Locking force	ton	575
Clamp stroke	mm	900
Total daylight max	mm	1800
Min mold height	mm	380
Max mold height	mm	900
Distance between tiebars (H x V)	mm	1020X1020
Ejector force	ton	14
Ejector stroke	mm	220
Platen size (H x V)	mm	1350X1420
Injection unit	2250	3520
Screw diameter	mm	60 70 80 70 80 90
Screw L/D ratio		22 20 18 22 20 18
Screw stroke	mm	325 325 325 370 370 370
Injection unit stroke	mm	500 500 500 550 550 550
Shot weight Max. (PS)	gm	874 1190 1555 1350 1766 2235
Theoretical shot volume	cc	918 1250 1632 1420 1852 2353
Injection speed	mm/s	160 160 160 160 160 160
Injection rate	cc/sec	452 616 804 616 804 1018
Injection pressure	bar	2450 1800 1350 2400 1900 1500
Holding pressure	bar	1960 1440 1080 1920 1520 1200
Screw torque	Nm	1600 1600 1600 2000 2000 2000
Screw speed	rpm	250 250 250 250 250 250
Plasticining rate (PS)	gm/s	56 76 100 70 88 100
Nozzle contact pressure	ton	6 6 6 8 8 8
Total heat capacity	kW	44 44 44 52 52 52
General		
Total connected power kw	105 105 105 125 125 125	
Machine dimension (L x W x H) m	9.8X2.4X2.5	9.8X2.4X2.5
Machine weight ton	30	31

MACHINE DIMENSIONS



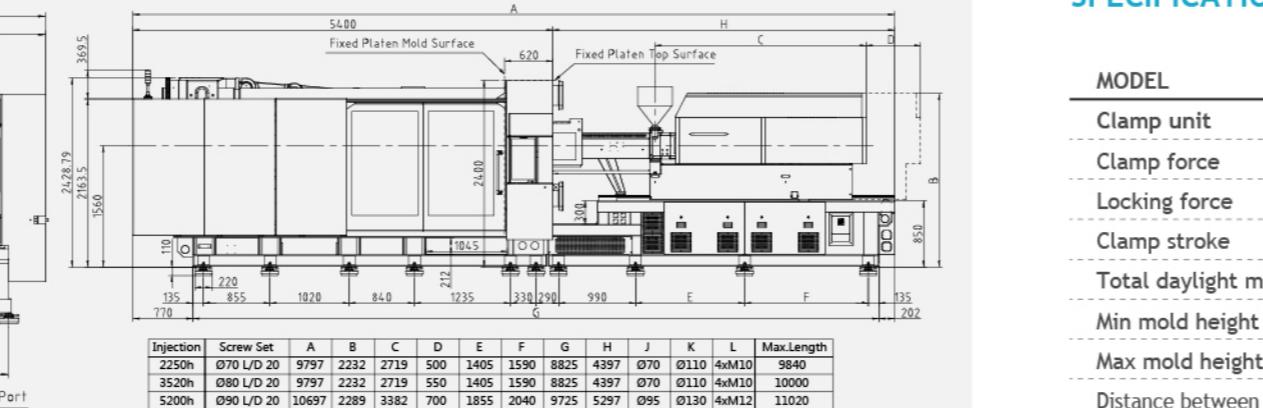
PLATEN DIMENSIONS



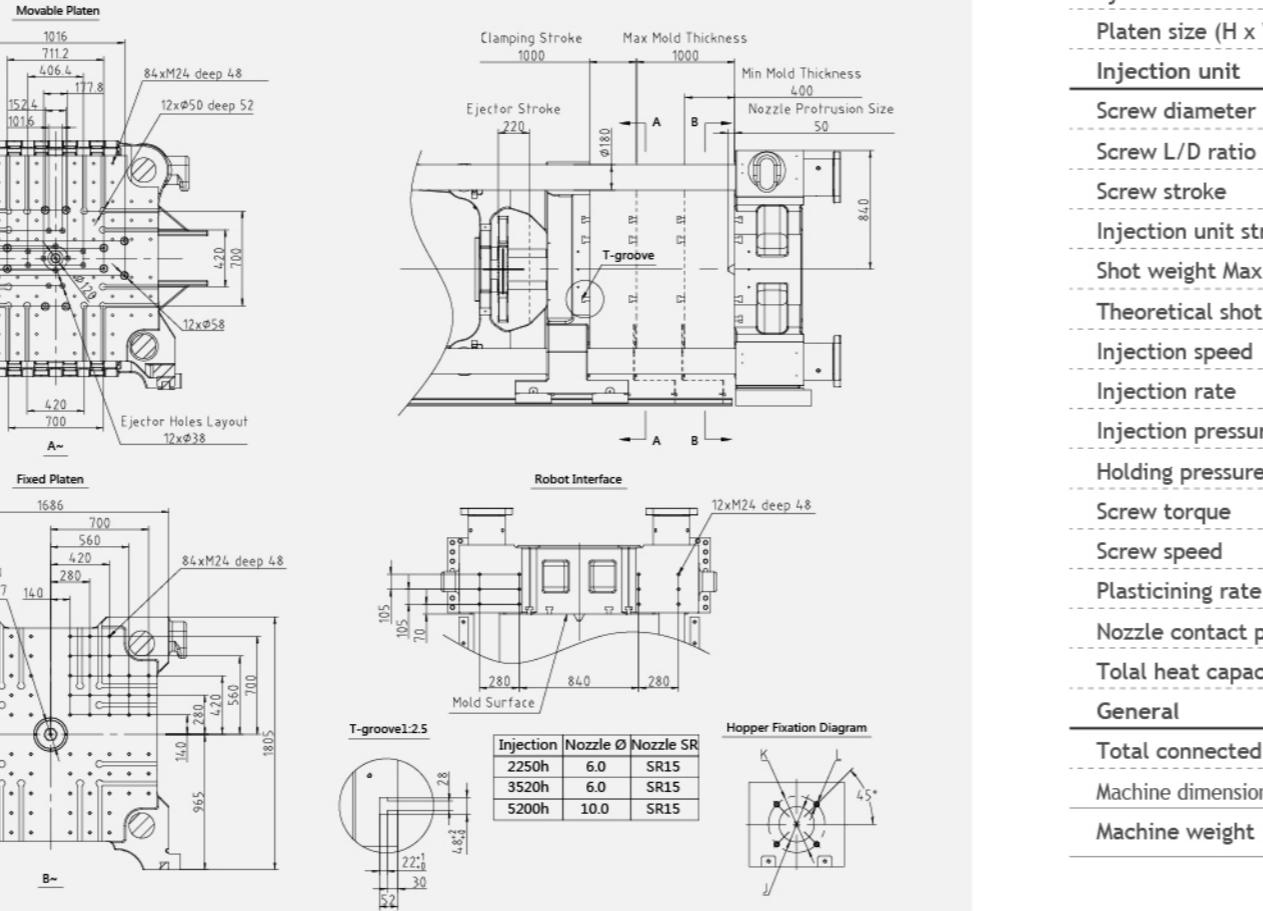
SPECIFICATION REAL-E700

MODEL	RE700					
Clamp unit	RE700					
Clamp force	ton					
Locking force	ton					
Clamp stroke	mm					
Total daylight max	mm					
Min mold height	mm					
Max mold height	mm					
Distance between tiebars (H x V)	mm					
Ejector force	ton					
Ejector stroke	mm					
Platen size (H x V)	mm					
Injection unit	3520			5200		
Screw diameter	mm	70	80	90	80	90
Screw L/D ratio		22	20	18	22	20
Screw stroke	mm	370	370	370	450	450
Injection unit stroke	mm	550	550	550	700	700
Shot weight Max. (PS)	gm	1350	1766	2235	2055	2606
Theoretical shot volume	cc	1420	1852	2353	2262	2863
Injection speed	mm/s	160	160	160	160	160
Injection rate	cc/sec	616	804	1018	804	1018
Injection pressure	bar	2400	1900	1500	2270	1792
Holding pressure	bar	1920	1520	1200	1800	1430
Screw torque	Nm	2000	2000	2000	2400	2400
Screw speed	rpm	250	250	250	250	250
Plasticining rate (PS)	gm/s	70	88	100	80	100
Nozzle contact pressure	ton	8	8	8	8	8
Total heat capacity	kW	52	52	52	69	69
General						
Total connected power	kw	125	125	125	160	160
Machine dimension (L x W x H)	m	10.4X2.6X2.7			11X2.6X2.7	
Machine weight	ton	42			44	

MACHINE DIMENSIONS



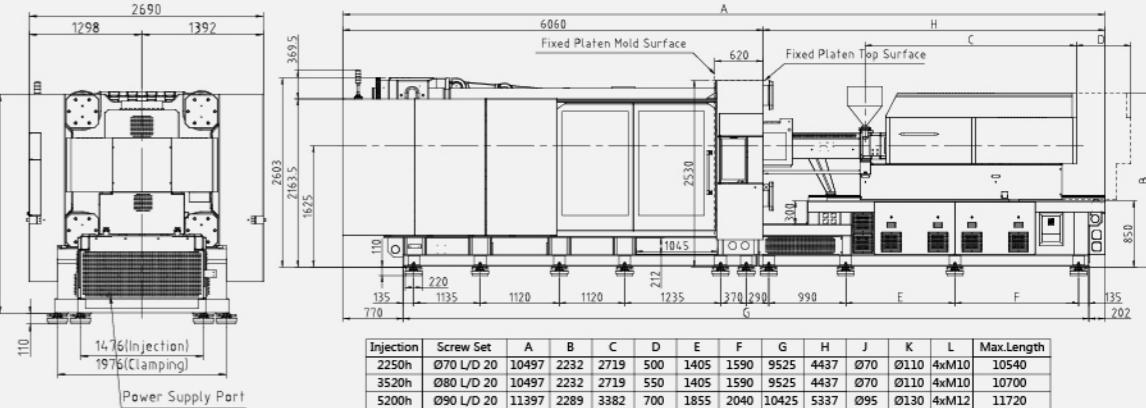
PLATEN DIMENSIONS



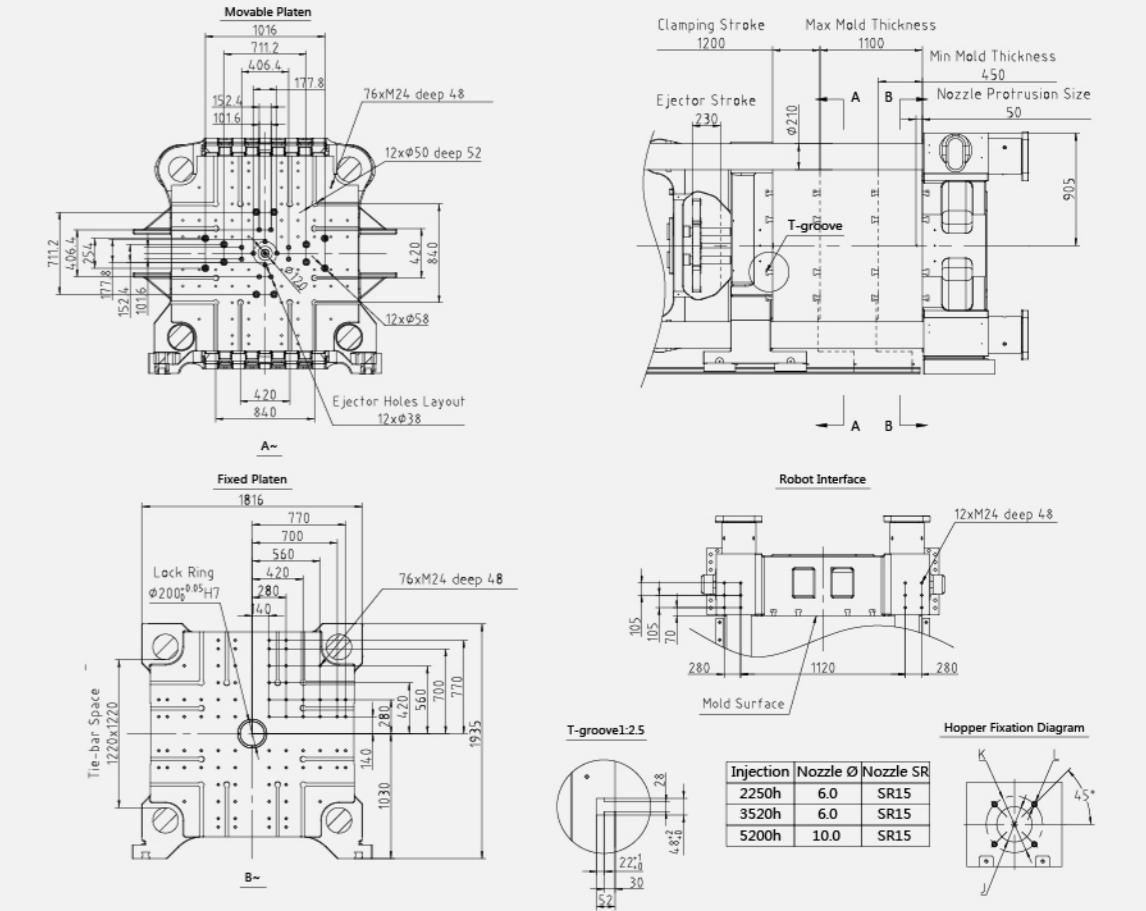
SPECIFICATION REAL-E900

MODEL	RE900					
Clamp unit	RE900					
Clamp force	ton					
Locking force	ton					
Clamp stroke	mm					
Total daylight max	mm					
Min mold height	mm					
Max mold height	mm					
Distance between tiebars (H x V)	mm					
Ejector force	ton					
Ejector stroke	mm					
Platen size (H x V)	mm					
Injection unit	3520			5200		
Screw diameter	mm	70	80	90	80	90
Screw L/D ratio		22	20	18	22	20
Screw stroke	mm	370	370	370	450	450
Injection unit stroke	mm	550	550	550	700	700
Shot weight Max. (PS)	gm	1350	1766	2235	2055	2606
Theoretical shot volume	cc	1420	1852	2353	2262	2863
Injection speed	mm/s	160	160	160	160	160
Injection rate	cc/sec	616	804	1018	804	1018
Injection pressure	bar	2400	1900	1500	2270	1792
Holding pressure	bar	1920	1520	1200	1800	1430
Screw torque	Nm	2000	2000	2000	2400	2400
Screw speed	rpm	250	250	250	250	250
Plasticining rate (PS)	gm/s	70	88	100	80	100
Nozzle contact pressure	ton	8	8	8	8	8
Total heat capacity	kW	52	52	52	69	69
General						
Total connected power	kw	125	125	125	160	160
Machine dimension (L x W x H)	m	12X2.9X2.9			12X2.9X2.9	
Machine weight	ton	53			55	

MACHINE DIMENSIONS

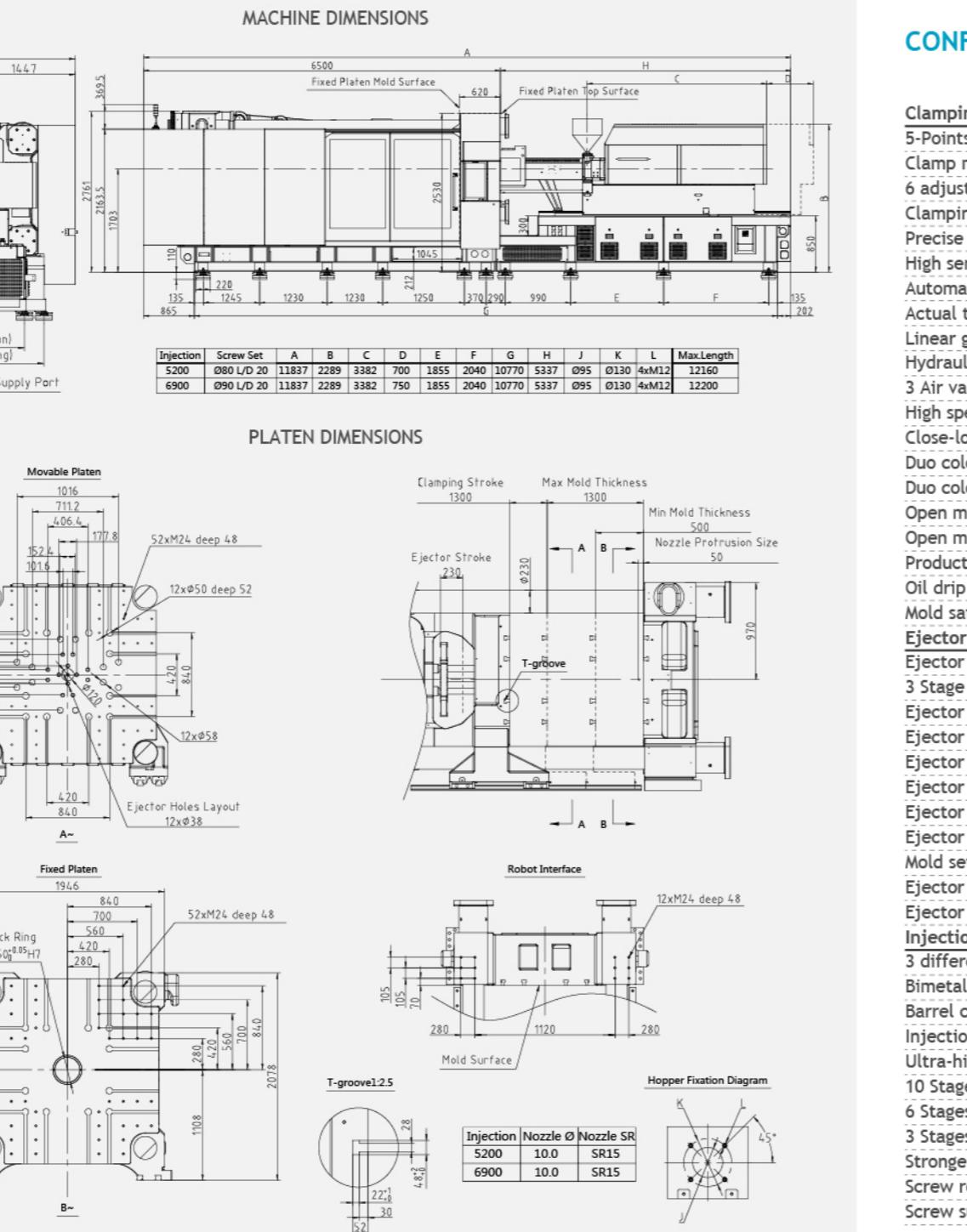


PLATEN DIMENSIONS



SPECIFICATION REAL-E1100

MODEL	RE1100						
Clamp unit	RE1100						
Clamp force	ton	1100					
Locking force	ton	1130					
Clamp stroke	mm	1300					
Total daylight max	mm	2600					
Min mold height	mm	500					
Max mold height	mm	1300					
Distance between tiebars (H x V)	mm	1330X1330					
Ejector force	ton	24					
Ejector stroke	mm	230					
Platen size (H x V)	mm	1920X1920					
Injection unit		5200		6900			
Screw diameter	mm	80	90	100	90	100	110
Screw L/D ratio		22	20	18	22	20	18
Screw stroke	mm	450	450	450	470	470	470
Injection unit stroke	mm	700	700	700	750	750	750
Shot weight Max. (PS)	gm	2055	2606	3215	2720	3360	4065
Theoretical shot volume	cc	2262	2863	3534	2990	3690	4468
Injection speed	mm/s	160	160	160	160	160	160
Injection rate	cc/sec	804	1018	1206	1018	1206	1396
Injection pressure	bar	2270	1792	1450	2400	1980	1638
Holding pressure	bar	1800	1430	1160	1920	1580	1310
Screw torque	Nm	2400	2400	2400	3000	3000	3000
Screw speed	rpm	250	250	250	160	160	160
Plasticining rate (PS)	gm/s	80	100	122	100	122	147
Nozzle contact pressure	ton	8	8	8	10	10	10
Total heat capacity	kW	69	69	69	85	85	85
General							
Total connected power	kw	160	160	160	175	175	175
Machine dimension (L x W x H)	m	12.8X3.2X2.9		12.8X3.2X2.9			
Machine weight	ton	70		72			



CONFIGURATION TABLE

Injection unit	Screw cold start protection	●
	Auto purge	●
	Compress injection	○
	Two-stages plunger system	○
	Shut-off nozzle	●
	Hopper with temperature control	●
	6 adjustable open and close speeds	●
	Clamping force adjustable	●
	Material hopper	○
	Adapter plate for coloring unit and hopper loader	○
	Slide hopper loader	●
	Precise positioning, speed and force control	●
	High sensitivity mold protection with two stages	●
	Automatic lubrication	●
	Actual tonnage display on HMI	●
	Linear guide for moving platen	●
	Hydraulic or pneumatic core pull	●
	3 Air valve (2 in moving platen, 1 in fixed platen)	●
	4 VP transfer mode selection	●
	High speed air valves	○
	Nozzle contact force adjustable	○
	Close-loop clamp tonnage control	●
	Duo color or multi color turntable	●
	Duo color index	○
	Automatic heating start and shutdown	●
	Actual current and energy display of every heating zone	○
	Heating zone and thermocouple failure detection	●
	Heating standby	●
	Zones heating up synchronous	●
	Nozzle contact force monitor	○
	Mold safety device	●
	Controller	●
	High performance PLC system	●
	21.5inch full color LCD with capacitive touch	●
	3 Stage ejector movement speed adjustable	●
	Ejector vibration 1-99 times adjustable	●
	USB storage	●
	Keypad with limitation, and tips	●
	10000 lines of alarms and operation log	●
	10000 groups product data records	●
	10000 process data files saved	●
	Ejector holding	●
	Mold setting mode available	●
	Ejector during mold opening	●
	Multi-language	●
	Ejector when mold closed (cut cold runner)	●
	Injection unit	●
	3 different screw diameters available for each injection unit type	●
	Bimetallic barrel and hardened screw	●
	Barrel cover with perforated metal	●
	Injection movement via ball screw and bell drive	●
	Ultra-high speed injection	●
	10 Stages injection movement speed adjustable	●
	6 Stages pressure holding adjustable	●
	3 Stages rotate speed and backpressure adjustable in plasticizing	●
	Stronger holding for more holding pressure and longer holding time	○
	Screw rotate speed display	●
	Quality criteria and statistics, the quality curve	●
	Screw suckback and pre- suckback	●
	Quality exception handling	●
	Production management	●
	Printer, support share print function	○