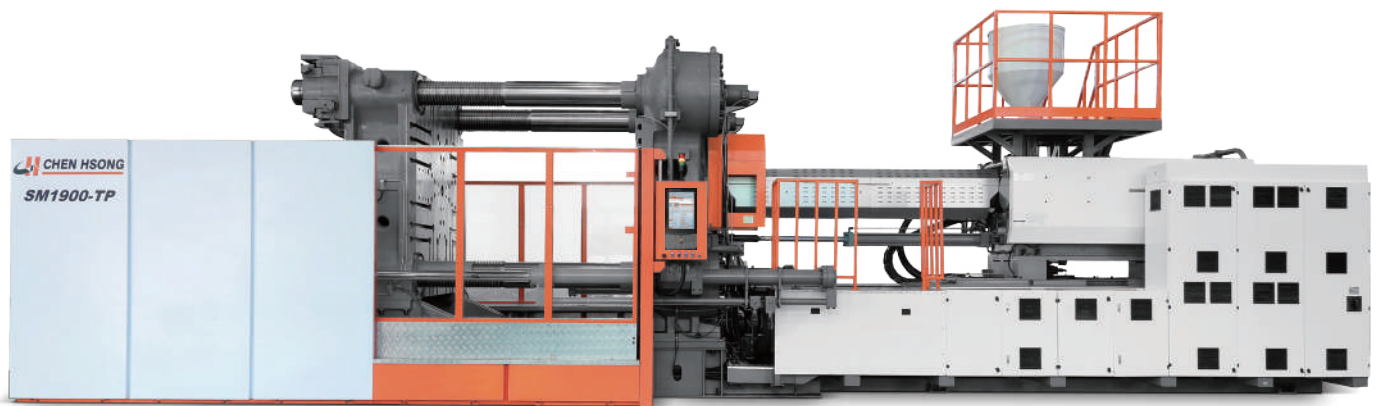




Chen Hsong Europe



# SUPERMASTER TP-SERIES

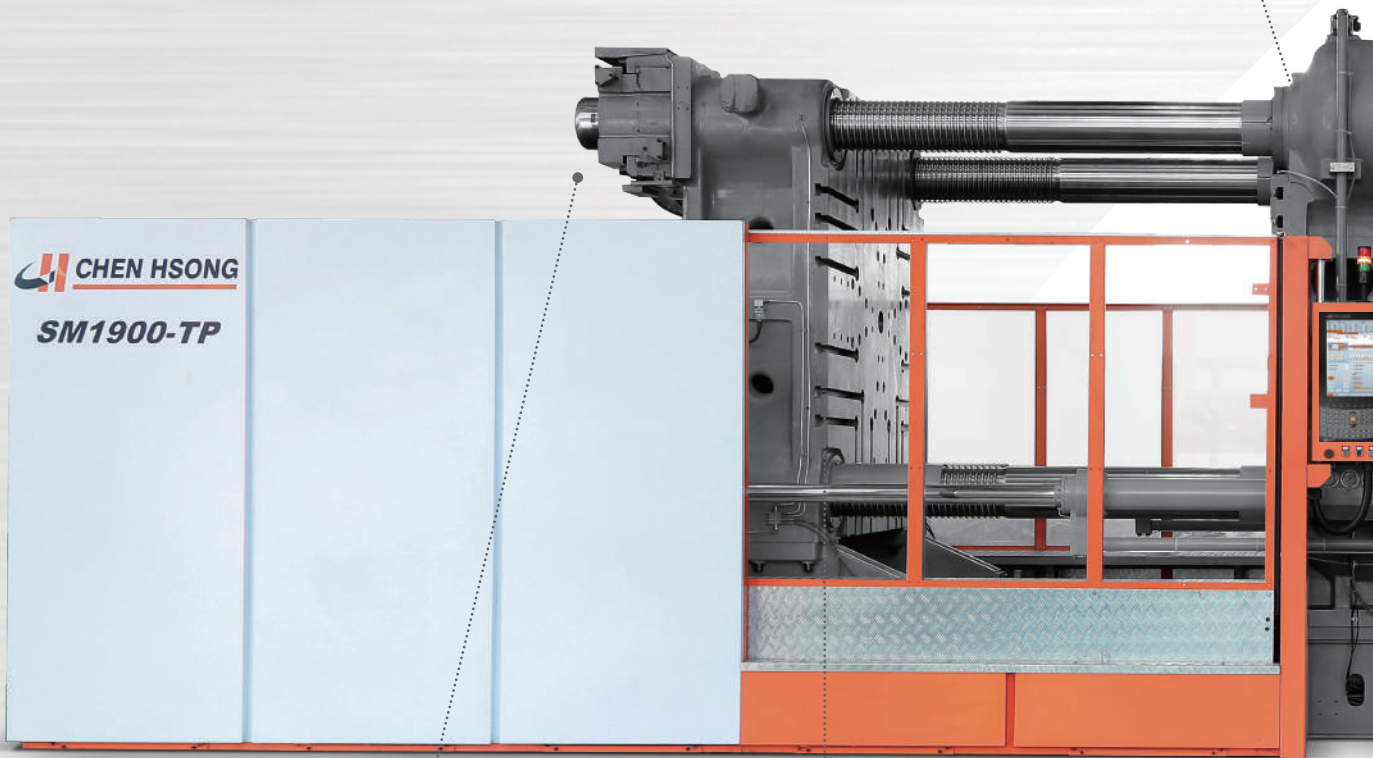
700 - 6500 TON - Two-platen machine



SUPERMASTER 700 - 6500 TON  
Two-platen machine

BECKHOFF CBmould800 CONTROL APPLICATION

The CBmould800 controller of Beckhoff offers an integrated solution for the automation of the Chen Hsong Injection Moulding machines. High-speed applications and complete production cells can be implemented with CBmould800. The integrated Extremely Fast Control technology enables the sampling of rapidly changing input signals, allowing the injection process to be controlled with high precision. The 15.6" screen area with touch function enables a clear process visualization.



EUROMAP STANDARD

T-slot and ejector pattern according to Euromap standards\*.



FAST MOULD-HEIGHT ADJUSTMENT AND INTERLOCK MECHANISM

This patented clamping and interlock system ensures accurate, reliable and fast operation.

\* T-slot pattern/ejector pattern may differ from standard due to platen design.

## EUROPEAN COMPONENTS

Standard European components:

Hydraulic valves: Bosch Rexroth or Vickers or Yuken

Hydraulic pump: Eckerle

Linear transducers: Gefran or Novotechnik

Electrical components: Siemens, Schneider, Telemecanique, PILZ



## INOVANCE SERVO DRIVE SYSTEM

The Inovance servo drive system is designed dedicated for injection moulding machines. This system provides high performance, precision, low noise and easy maintenance. For machines using this servo drive, energy saving up to 80% can be achieved.



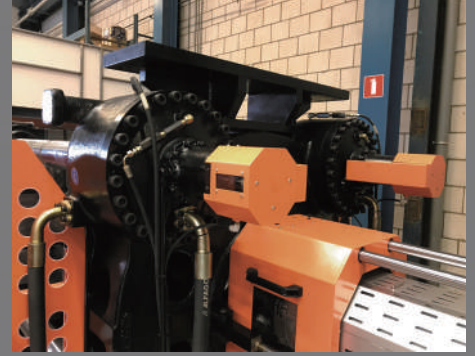
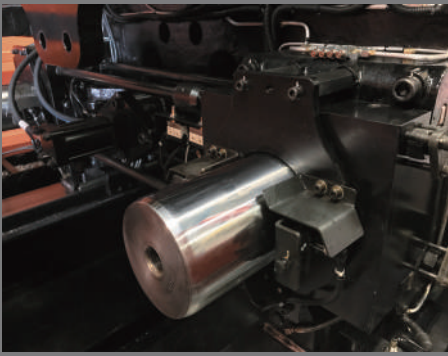
## ENERGY SAVING

The Chen Hsong machines are equipped with speed controlled servomotors. The system pressure is measured real-time by a pressure sensor. In this way, it can provide the flow according to requirement and non-functioning consumption is eliminated. This leads to lower energy consumption, high precision, low noise and low inertia.

## STANDARD AND OPTIONAL FEATURES

CLAMPING UNIT	STANDARD	OPTION
Automatic mould height adjust	•	
Automatic clamping force control	•	
Hydraulic safety device	•	
Unique extractable tiebar design		•
Core puller on moving platen	2	
Additional core pullers (up to 6 core pullers)		•
Airblow on fixed and moving platen	2	
Parallel core movement		•
Parallel ejector movement		•
Euromap 2 platen design *	•	
Euromap 13 for core and ejector	•	
Euromap 18 for robot mounting	•	
Euromap 67 for robot communication	•	
Euromap 70 and 70.1		•
Larger maximum mould height		•
Automatic lubrication	•	
Anti-skid plates on horizontal surfaces	•	
Automatic front door	•	
<b>OTHERS</b>		
Up to 60 zones integrated hotrunner System (Euromap 14 standard)		•
Power sockets 3-phase 400V 32A and 16A	Two 400V 32A	
Power sockets 2-phase 240V 16A	•	
Waterflow regulators (more available upon request)	8 Circuits	

\* T-slot / ejector pattern may differ from standard due to platen design.



### INJECTION UNIT

### STANDARD

### OPTION

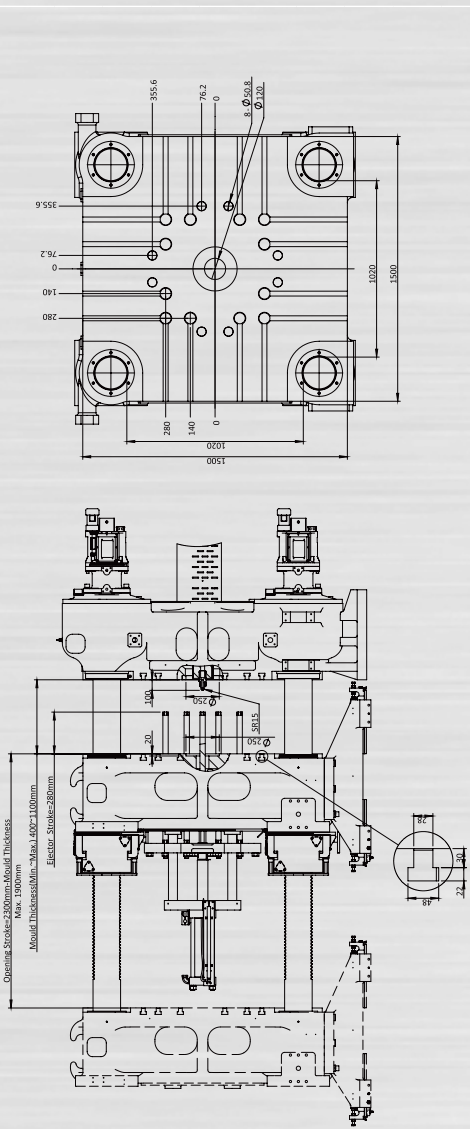
Ceramic heater bands	•	
Nitrated screw and barrel	•	
Bi-metallic screw and barrel		•
PET or PVC screw features		•
Adjustable backpressure	•	
Barrel shut-off nozzle		•
Hydraulic/pneumatic sequential injection(up to30 valves)		•
Linear transducer on injection stroke	•	
Linear transducer on injection unit stroke	•	
Screw speed indicator	•	
Controlled barrel cooling	•	
Barrel insulation		•
Central lubrication points	•	
Anti-skid plates on horizontal surfaces	•	
Parallel plasticizing		•

### CONTROLLER

Beckhoff CBmould800 controller	•	
15.6" TFT display with touch function	•	
LED backlight	•	
Free programmable cores	•	
Sequence editor	•	
High-precision mould safety	•	
EtherCAT-based Extremely Fast Control technology	•	
Ethernet interface for teleservice via internet	•	
USB interface	•	
Euromap 67 interface	•	
Industry 4.0		•
OPC-UA / Euromap 77		•

## SUPERMASTER 700 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t
Opening Stroke	700
Maximum Daylight	1,200 - 1,900
Mould platen(HxW)	2,300
Space between Tie Bars (HxW)	1,500 x 1,500
Max. Mould Thickness	1,020 x 1,020
Min. Mould Thickness	1,100
Ejector Stroke	400
Ejector Force	280
	22



Injection unit	Unit	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H									
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max.)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,722	2,011	2,128	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	65	50	50	60	60	47	50	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,420	1,370	1,500	1,500	1,650

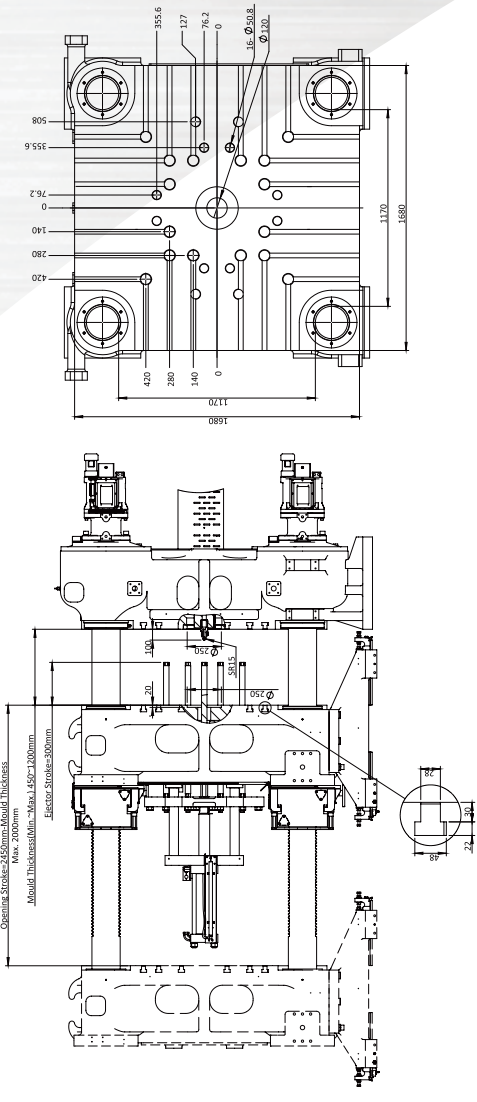
### Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	84	96	108	132	168	204	204	240	300	360	480	480	660	660	720	720	840	840	960	1,100	1,100	1,240	1,370	1,500	1,500	1,650
Heating capacity	kW	38	38	42	48	50	70	70	95	100	130	175	220	270	330	330	390	390	450	450	510	590	660	770	840	960	1,100	1,250
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,650	1,650	1,700	1,750	2,250	2,350	2,700	3,300	3,850	4,150	5,950	7,400	8,650	11,000	11,000	12,500	12,500	14,500	14,500	16,500	18,500	21,000	24,000	27,000	31,000	36,000	42,000
Machine Dimensions(LxWxH)	m	9.2 x 2.9 x 2.5	9.3 x 2.9 x 2.5	9.3 x 2.9 x 2.5	9.4 x 2.9 x 2.5	10.2 x 2.9 x 2.5	10.9 x 2.9 x 2.5	11.0 x 2.9 x 2.5	11.3 x 2.9 x 2.5	12.4 x 2.9 x 2.5	12.4 x 2.9 x 2.5	13.2 x 2.9 x 2.5	14.8 x 2.9 x 2.5	16.2 x 2.9 x 2.5	18.6 x 2.9 x 2.5	18.6 x 2.9 x 2.5	21.0 x 2.9 x 2.5	21.0 x 2.9 x 2.5	24.0 x 2.9 x 2.5	24.0 x 2.9 x 2.5	27.0 x 2.9 x 2.5	30.0 x 2.9 x 2.5	34.0 x 2.9 x 2.5	39.0 x 2.9 x 2.5	45.0 x 2.9 x 2.5	51.0 x 2.9 x 2.5	58.0 x 2.9 x 2.5	66.0 x 2.9 x 2.5
Machine Weight (Approx.)	t	28	28	29	31	33	35	37	38	39	46	54	64	77	94	94	114	114	134	134	154	174	194	224	254	294	334	384

All technical data and features are subjected to change without notice.

# SUPERMASTER 850 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t
Opening Stroke	mm
Maximum Daylight	mm
Mould platen (HxV)	mm
Space between Tie Bars (HxV)	mm
Max. Mould Thickness	mm
Min. Mould Thickness	mm
Ejector Stroke	mm
Ejector Force	t



Injection unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max.)	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	150	150	140	140	130	130	115	115	110	110	100	100	95	95	95	80	83	69	65	50	50	60	60	47	50	40	40
Screw stroke	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650

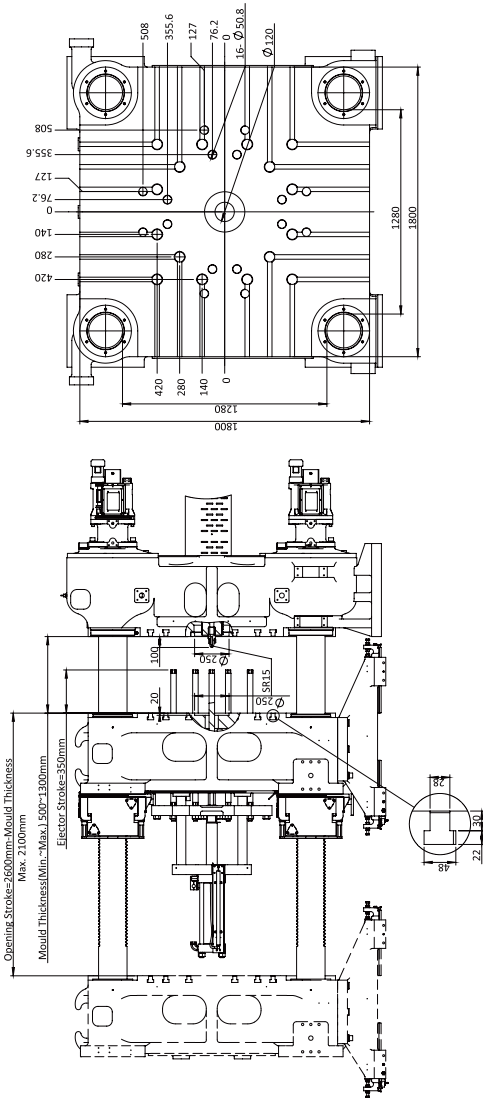
## Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
Pump motor	kW	84	96	108	132	168	180	204	204	240	240	275	275	300	300	360	360	420	420	480	480	540	540	600	600	660	660	720
Heating capacity	kW	38	42	48	50	70	70	80	80	95	95	100	100	100	100	130	130	175	175	220	220	270	270	330	330	330	330	390
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,680	1,730	1,780	2,300	2,400	2,750	2,750	3,350	3,350	3,900	3,900	4,200	4,200	4,200	4,200	4,200	6,000	6,000	7,450	7,450	8,700	8,700	11,000	11,000	11,000	12,500	
Machine Dimensions (LxWxH)	m	9.6 x 3.1 x 2.7	9.7 x 3.1 x 2.7	9.8 x 3.1 x 2.7	10.6 x 3.1 x 2.7	11.2 x 3.1 x 2.7	11.3 x 3.1 x 2.7	11.7 x 3.1 x 2.7	11.7 x 3.1 x 2.7	11.7 x 3.1 x 2.7	11.7 x 3.1 x 2.7	11.3 x 3.1 x 2.7	11.3 x 3.1 x 2.7	11.7 x 3.1 x 2.7	11.7 x 3.1 x 2.7	12.7 x 3.1 x 2.7	12.7 x 3.1 x 2.7	13.6 x 3.1 x 2.7	13.6 x 3.1 x 2.7	15.1 x 3.1 x 2.7	15.1 x 3.1 x 2.7	16.5 x 3.1 x 2.7	16.5 x 3.1 x 2.7	19.0 x 3.1 x 2.7	19.0 x 3.1 x 2.7	19.0 x 3.1 x 2.7	21.0 x 3.1 x 2.7	
Machine Weight (Approx.)	t	33	34	36	38	40	42	43	43	44	42	42	43	43	44	51	51	59	59	69	69	82	82	99	99	99	119	

All technical data and features are subjected to change without notice.

## SUPERMASTER 1050 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t
Opening Stroke	mm
Maximum Daylight	mm
Mould platen(HxW)	mm
Space between Tie Bars (HxV)	mm
Max. Mould Thickness	mm
Min. Mould Thickness	mm
Ejector Stroke	mm
Ejector Force	t



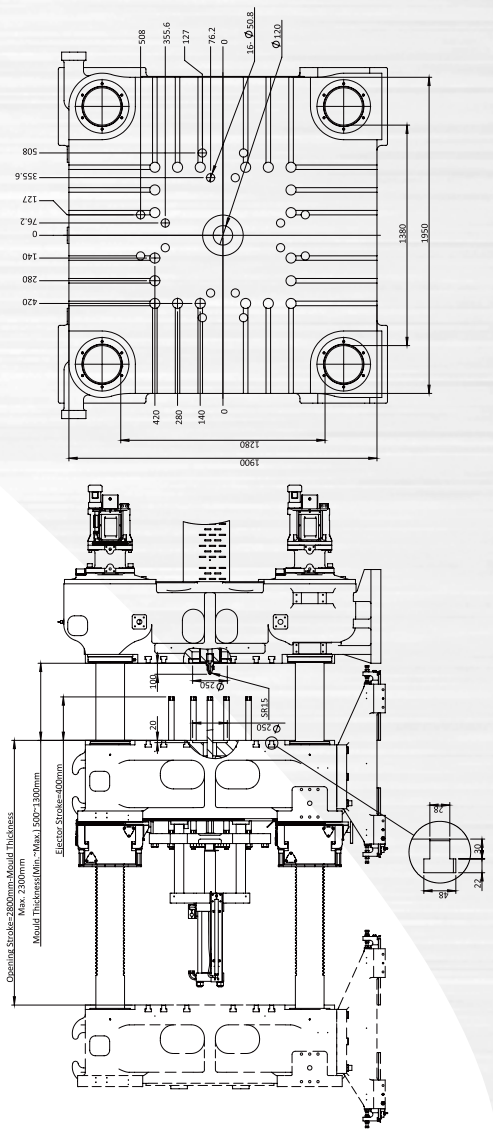
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H			
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632			
Shot weight (ps)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135			
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300			
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22			
Injection pressure (Max)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630			
Injection rate (ps)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,722	1,629	2,128	2,011	2,545	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518			
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	65	50	50	60	60	47	50	40	40			
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650			
Others																															
System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5			
Pump motor	kW	84	84	96	96	108	108	132	132	168	168	180	180	204	204	240	240	300	300	300	300	360	360	480	480	660	660	720			
Heating capacity	kW	38	38	42	42	48	48	50	50	70	70	80	80	95	95	100	100	130	130	175	175	220	220	270	270	330	330	390			
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7			
Oil tank capacity	L	1,700	1,700	1,750	1,750	1,800	1,800	2,300	2,300	2,400	2,400	2,750	2,750	3,350	3,350	3,900	3,900	4,200	4,200	6,000	6,000	7,450	7,450	8,700	8,700	11,000	11,000	12,500			
Machine Dimensions (LxWxH)	m	9.9 x 3.3 x 2.8	9.9 x 3.3 x 2.8	10.0 x 3.3 x 2.8	10.0 x 3.3 x 2.8	10.1 x 3.3 x 2.8	10.1 x 3.3 x 2.8	10.8 x 3.3 x 2.8	10.8 x 3.3 x 2.8	11.5 x 3.3 x 2.8	11.5 x 3.3 x 2.8	11.6 x 3.3 x 2.8	11.6 x 3.3 x 2.8	12.0 x 3.3 x 2.8	12.0 x 3.3 x 2.8	12.0 x 3.3 x 2.8	13.0 x 3.3 x 2.8	13.0 x 3.3 x 2.8	13.0 x 3.3 x 2.8	13.9 x 3.3 x 2.8	13.9 x 3.3 x 2.8	15.4 x 3.3 x 2.8	15.4 x 3.3 x 2.8	16.8 x 3.3 x 2.8	16.8 x 3.3 x 2.8	19.3 x 3.3 x 2.8	19.3 x 3.3 x 2.8	21.3 x 3.3 x 2.8			
Machine Weight (Approx.)	t	39	39	40	40	42	42	44	44	46	46	48	48	49	49	50	50	57	57	65	65	75	75	88	88	105	105	125			

All technical data and features are subjected to change without notice.



# SUPERMASTER 1250 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	1,250
Opening Stroke	mm	1,500 - 2,300
Maximum Daylight	mm	2,800
Mould platen (HxW)	mm	1,950 x 1,900
Space between Tie Bars (HxW)	mm	1,380 x 1,280
Max. Mould Thickness	mm	1,300
Min. Mould Thickness	mm	500
Ejector Stroke	mm	400
Ejector Force	t	22



Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H	
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632	
Shot weight (PS)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135	
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	200	200	225	225	225	250	250	275	300	300	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22	22
Injection pressure (Max.)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630	1,630
Injection rate (PS)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518	4,518
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	50	50	60	50	60	47	50	40	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,500	1,650

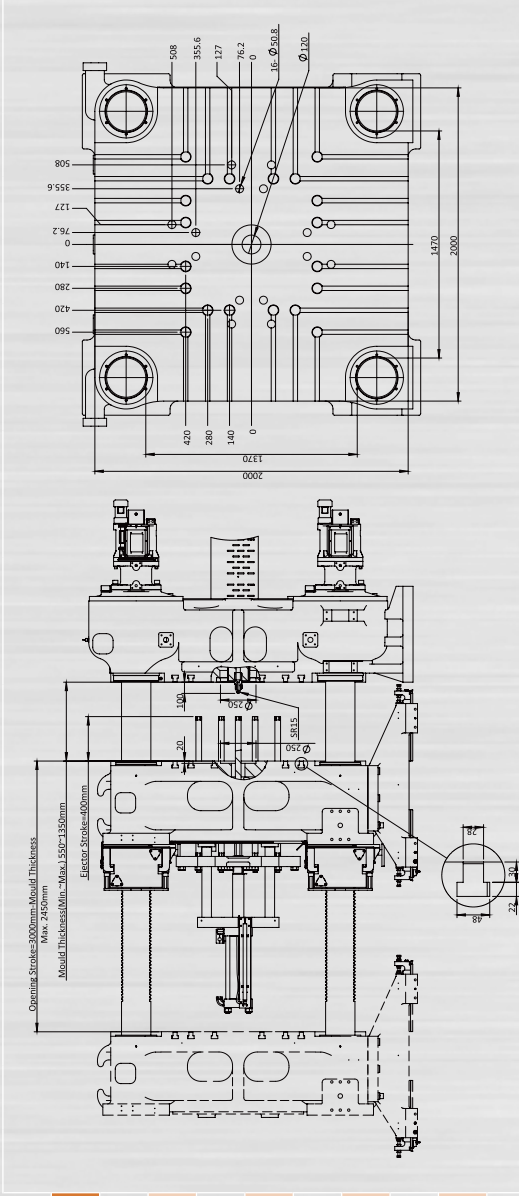
## Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
Pump motor	kW	84	96	96	108	132	168	204	204	240	240	275	300	360	480	660	720	720	720	720	720	720	720	720	720	720	720	720	720	720
Heating capacity	kW	38	42	42	48	50	50	50	50	50	70	80	80	95	95	100	130	130	130	175	175	220	270	270	330	330	330	330	330	330
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,730	1,780	1,780	1,830	2,300	2,400	3,350	3,350	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	4,200	6,000	6,000	7,450	8,700	8,700	11,000	11,000	11,000	11,000	11,000	11,000
Machine Dimensions (LxWxH)	m	10.2 x 3.5 x 3	10.3 x 3.5 x 3	10.3 x 3.5 x 3	10.4 x 3.5 x 3	11.2 x 3.5 x 3	11.8 x 3.5 x 3	11.8 x 3.5 x 3	11.8 x 3.5 x 3	11.8 x 3.5 x 3	11.8 x 3.5 x 3	11.9 x 3.5 x 3	11.9 x 3.5 x 3	12.3 x 3.5 x 3	12.3 x 3.5 x 3	12.3 x 3.5 x 3	12.3 x 3.5 x 3	13.3 x 3.5 x 3	13.3 x 3.5 x 3	14.2 x 3.5 x 3	14.2 x 3.5 x 3	15.8 x 3.5 x 3	15.8 x 3.5 x 3	17.1 x 3.5 x 3	17.1 x 3.5 x 3	19.6 x 3.5 x 3	19.6 x 3.5 x 3	21.6 x 3.5 x 3	21.6 x 3.5 x 3	
Machine Weight (Approx.)	t	49	50	50	52	54	56	58	58	59	59	58	58	59	59	60	67	67	75	75	85	85	98	98	115	115	115	115	115	135

All technical data and features are subjected to change without notice.

# SUPERMASTER 1450 - TP Advanced

Clamping Unit	Unit	
Clamping Force(Max.)	t	1,450
Opening Stroke	mm	1,650 - 2,450
Maximum Daylight	mm	3,000
Mould plate(HxV)	mm	2,000 x 2,000
Space between Tie Bars (HxV)	mm	1,470 x 1,370
Max. Mould Thickness	mm	1,350
Min. Mould Thickness	mm	550
Ejector Stroke	mm	400
Ejector Force	t	35

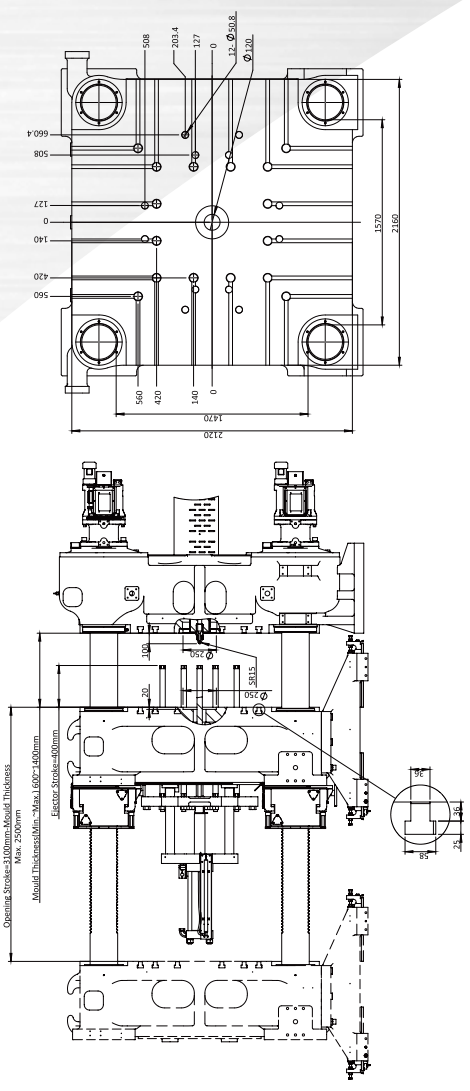


Injection unit	Unit	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm <sup>3</sup>	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight(PS)	g	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	120	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max)	kgf/cm <sup>2</sup>	1,874	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	g/s	951	1,116	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed(Max.)	rpm	110	110	100	95	95	95	80	83	69	65	50	60	50	60	47	50	40	40
Screw stroke	mm	600	650	700	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650
<b>Others</b>																			
System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	96	108	132	168	204	204	240	300	360	480	660	720	720	720	720	720	720
Heating capacity	kW	38	42	48	50	70	95	100	130	175	220	270	330	390	390	390	390	390	390
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,750	1,800	1,850	2,300	2,400	3,350	3,900	4,200	6,000	7,450	8,700	11,000	12,500	12,500	12,500	12,500	12,500	12,500
Machine Dimensions (LxWxH)	m	10.6 x 3.8 x 3.2	10.7 x 3.8 x 3.2	10.8 x 3.8 x 3.2	11.6 x 3.8 x 3.2	12.2 x 3.8 x 3.2	12.7 x 3.8 x 3.2	12.7 x 3.8 x 3.2	13.7 x 3.8 x 3.2	14.6 x 3.8 x 3.2	16.1 x 3.8 x 3.2	17.5 x 3.8 x 3.2	20 x 3.8 x 3.2	22 x 3.8 x 3.2	22 x 3.8 x 3.2	22 x 3.8 x 3.2	22 x 3.8 x 3.2	22 x 3.8 x 3.2	22 x 3.8 x 3.2
Machine Weight (Approx.)	t	54	55	57	59	61	64	65	72	80	90	103	120	140	140	140	140	140	140

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# SUPERMASTER 1650 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	1,650
Opening Stroke	mm	1,700 ~ 2,500
Maximum Daylight	mm	3,100
Mould platen(HxV)	mm	2,160 x 2,120
Space between Tie Bars (HxV)	mm	1,570 x 1,470
Max. Mould Thickness	mm	1,400
Min. Mould Thickness	mm	600
Ejector Stroke	mm	400
Ejector Force	t	35



Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H	
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632	
Shot weight (PS)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135	
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22	
Injection pressure(Max.)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630	
Injection rate (PS)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,722	2,128	2,128	2,011	2,545	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518	
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	50	50	60	50	60	47	50	40	40	
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650	

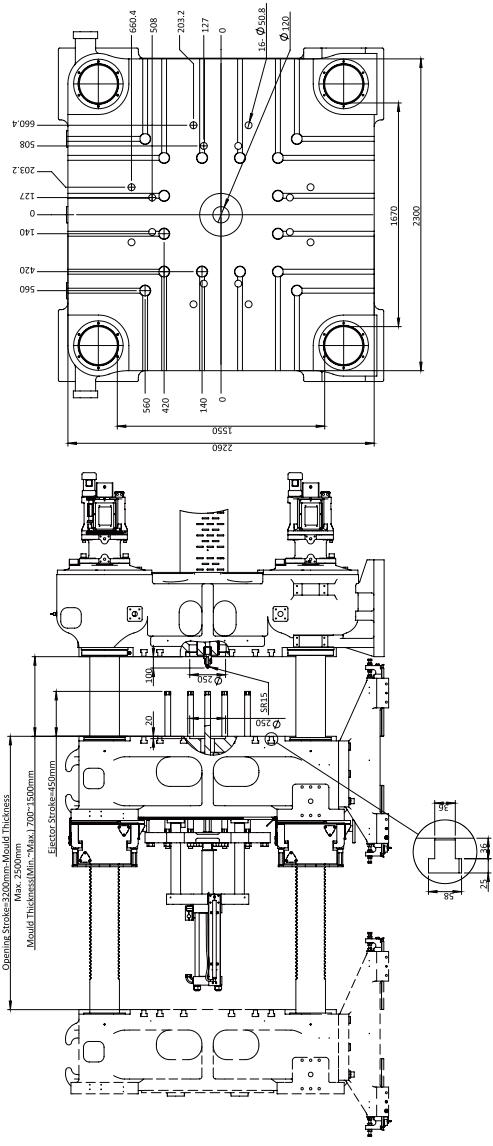
## Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	
Pump motor	kW	84	96	108	132	168	168	168	168	168	168	180	180	204	204	240	240	240	240	300	300	360	360	480	480	660	660	720	
Heating capacity	kW	38	42	42	50	70	70	70	70	70	70	80	80	95	100	100	130	130	175	175	175	220	220	270	270	330	330	390	
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Oil tank capacity	L	1,780	1,830	1,830	2,350	2,450	2,450	2,350	2,350	2,450	2,450	2,800	2,800	3,400	3,950	3,950	4,250	4,250	6,050	6,050	6,050	7,500	7,500	8,750	8,750	11,050	11,050	12,550	
Machine Dimensions (LxWxH)	m	10.6 x 3.8 x 3.3	10.7 x 3.8 x 3.3	10.7 x 3.8 x 3.3	11.6 x 3.8 x 3.3	12.2 x 3.8 x 3.3	12.2 x 3.8 x 3.3	11.6 x 3.8 x 3.3	11.6 x 3.8 x 3.3	12.2 x 3.8 x 3.3	12.2 x 3.8 x 3.3	12.3 x 3.8 x 3.3	12.3 x 3.8 x 3.3	12.7 x 3.8 x 3.3	12.7 x 3.8 x 3.3	13.7 x 3.8 x 3.3	14.6 x 3.8 x 3.3	13.7 x 3.8 x 3.3	13.7 x 3.8 x 3.3	14.6 x 3.8 x 3.3	14.6 x 3.8 x 3.3	14.6 x 3.8 x 3.3	16.1 x 3.8 x 3.3	16.1 x 3.8 x 3.3	17.5 x 3.8 x 3.3	17.5 x 3.8 x 3.3	20 x 3.8 x 3.3	22 x 3.8 x 3.3	22 x 3.8 x 3.3
Machine Weight (Approx.)	t	59	60	60	64	66	66	64	64	66	66	68	68	69	70	70	77	77	85	85	85	95	95	108	108	125	125	145	

All technical data and features are subjected to change without notice.

### SUPERMASTER 1900 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	1,900
Opening Stroke	mm	1,700 - 2,500
Maximum Daylight	mm	3,200
Mould platen (HxW)	mm	2,300 x 2,260
Space between Tie Bars (HxV)	mm	1,670 x 1,550
Max. Mould Thickness	mm	1,500
Min. Mould Thickness	mm	700
Ejector Stroke	mm	450
Ejector Force	t	45

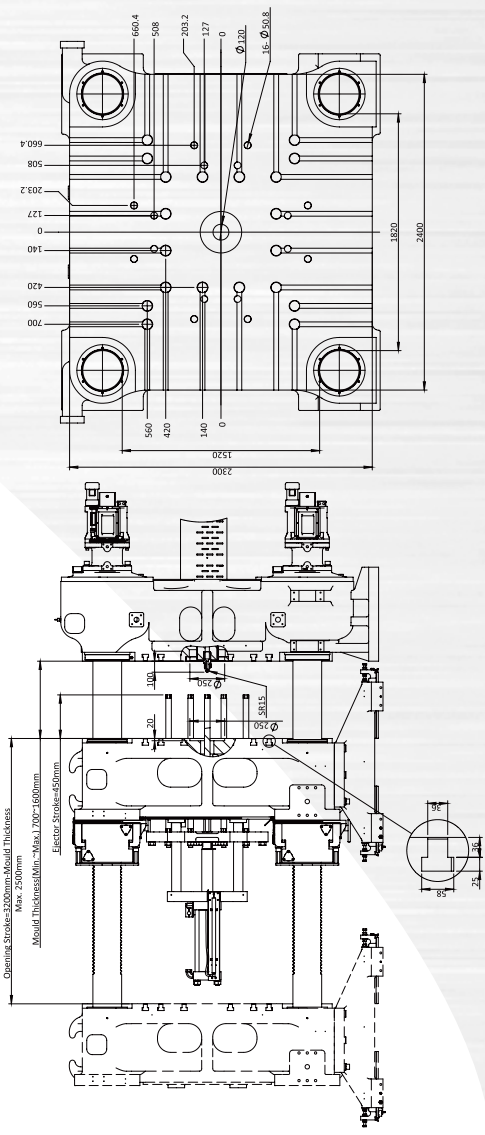


Injection unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max.)	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	150	150	140	140	130	130	115	115	110	110	100	100	95	95	95	80	83	69	65	50	50	60	60	47	50	40	40
Screw stroke	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650
<b>Others</b>																											
System pressure	17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5		17.5
Pump motor	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	1,800		1,850		1,900		2,400		2,500		2,850		3,450		4,000		4,300		6,100		7,550		8,800		11,100		12,600
Machine Dimensions (LxWxH)	10.8 x 4.2 x 3.5		10.9 x 4.2 x 3.5		11 x 4.2 x 3.5		11.8 x 4.2 x 3.5		12.4 x 4.2 x 3.5		12.5 x 4.2 x 3.5		12.9 x 4.2 x 3.5		12.9 x 4.2 x 3.5		14 x 4.2 x 3.5		14.8 x 4.2 x 3.5		16.4 x 4.2 x 3.5		17.7 x 4.2 x 3.5		20.2 x 4.2 x 3.5		22.2 x 4.2 x 3.5
Machine Weight (Approx.)	69		70		72		74		76		78		79		80		87		95		105		118		135		155

All technical data and features are subjected to change without notice.

## SUPERMASTER 2200 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t 2,200
Opening Stroke	mm 1,600 - 2,500
Maximum Daylight	mm 3,200
Mould platen (HxW)	mm 2,400 x 2,300
Space between Tie Bars(HxV)	mm 1,820 x 1,520
Max. Mould Thickness	mm 1,600
Min. Mould Thickness	mm 700
Ejector Stroke	mm 450
Ejector Force	t 45



Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max.)	kgf/cm <sup>2</sup>	1,905	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	65	50	50	60	60	47	50	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650

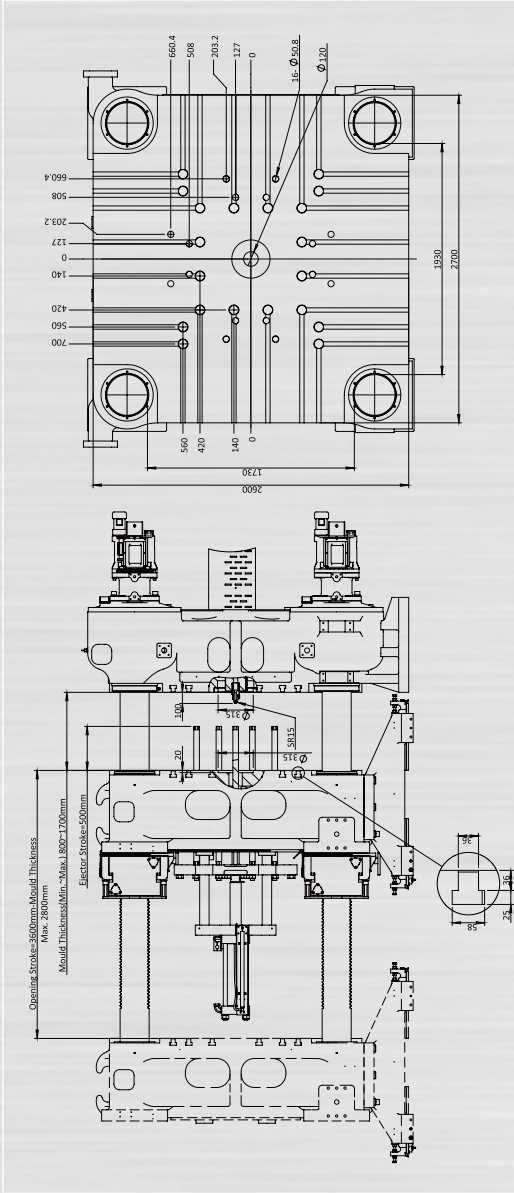
### Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	84	96	96	108	108	132	132	168	168	180	180	204	204	204	240	240	300	300	300	360	360	480	480	660	660	720
Heating capacity	kW	38	38	42	42	48	48	50	50	70	70	80	80	95	95	100	100	130	130	175	175	220	220	270	270	330	330	390
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,800	1,800	1,850	1,850	1,900	1,900	2,400	2,400	2,500	2,500	2,850	2,850	3,450	3,450	4,000	4,000	4,300	4,300	6,100	6,100	7,550	7,550	8,800	8,800	11,100	11,100	12,600
Machine Dimensions (LxWxH)	m	10.8 x 4.2 x 3.5	10.8 x 4.2 x 3.5	10.9 x 4.2 x 3.5	10.9 x 4.2 x 3.5	11 x 4.2 x 3.5	11 x 4.2 x 3.5	11.8 x 4.2 x 3.5	11.8 x 4.2 x 3.5	12.4 x 4.2 x 3.5	12.4 x 4.2 x 3.5	12.5 x 4.2 x 3.5	12.5 x 4.2 x 3.5	12.9 x 4.2 x 3.5	12.9 x 4.2 x 3.5	12.9 x 4.2 x 3.5	14 x 4.2 x 3.5	14 x 4.2 x 3.5	14 x 4.2 x 3.5	14.8 x 4.2 x 3.5	14.8 x 4.2 x 3.5	16.4 x 4.2 x 3.5	16.4 x 4.2 x 3.5	17.7 x 4.2 x 3.5	17.7 x 4.2 x 3.5	20.2 x 4.2 x 3.5	20.2 x 4.2 x 3.5	22.2 x 4.2 x 3.5
Machine Weight (Approx.)	t	74	74	75	75	77	77	79	79	81	81	83	83	84	84	85	92	92	92	100	100	110	110	123	123	140	140	160

All technical data and features are subjected to change without notice.

SUPERMASTER 2600 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	2,600
Opening Stroke	mm	1,900 - 2,800
Maximum Daylight	mm	3,600
Mould platen(HxW)	mm	2,700 x 2,600
Space between Tie Bars(HxW)	mm	1,930 x 1,730
Max. Mould Thickness	mm	1,700
Min. Mould Thickness	mm	800
Ejector Stroke	mm	500
Ejector Force	t	45



Injection unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (ps)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	22
Injection pressure(Max)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (ps)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max)	rpm	150	150	140	140	130	115	115	110	110	110	100	100	95	95	80	83	69	65	50	50	60	60	47	50	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650

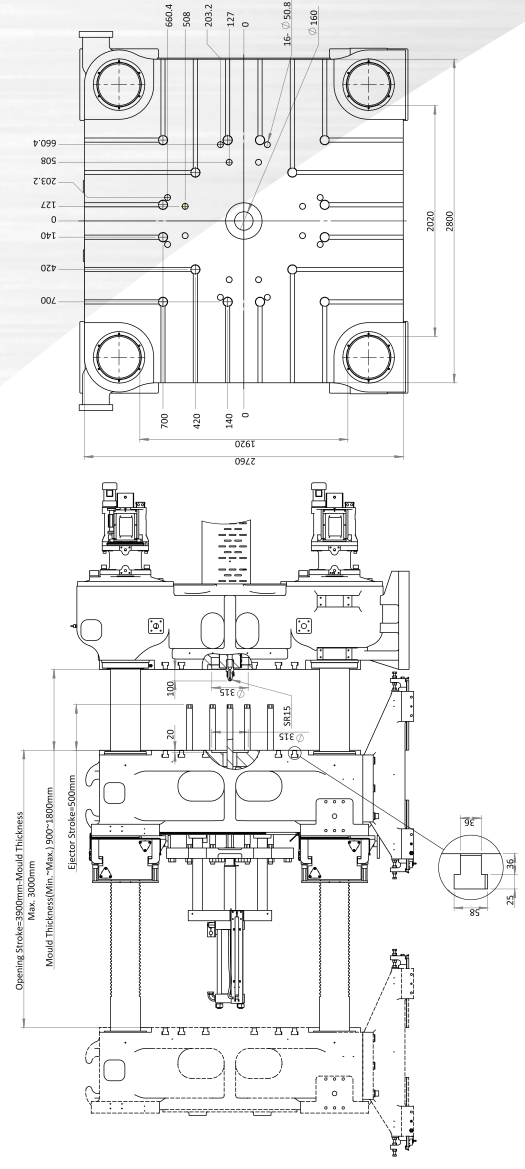
Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	84	96	108	108	132	132	168	168	180	180	204	204	240	240	240	240	300	300	360	360	480	480	660	660	720
Heating capacity	kW	38	38	42	48	48	50	50	70	70	80	80	95	95	100	100	130	130	175	175	220	220	270	270	330	330	390
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,850	1,850	1,900	1,950	1,950	2,450	2,450	2,550	2,550	2,900	2,900	3,500	3,500	4,050	4,050	4,350	4,350	6,150	6,150	7,600	7,600	8,850	8,850	11,150	11,150	12,650
Machine Dimensions (LxWxH)	m	11.5 x 4.4 x 3.7	11.5 x 4.4 x 3.7	11.6 x 4.4 x 3.7	11.7 x 4.4 x 3.7	11.7 x 4.4 x 3.7	12.5 x 4.4 x 3.7	12.5 x 4.4 x 3.7	13.1 x 4.4 x 3.7	13.1 x 4.4 x 3.7	13.2 x 4.4 x 3.7	13.2 x 4.4 x 3.7	13.6 x 4.4 x 3.7	13.6 x 4.4 x 3.7	13.6 x 4.4 x 3.7	13.6 x 4.4 x 3.7	14.6 x 4.4 x 3.7	14.6 x 4.4 x 3.7	15.5 x 4.4 x 3.7	15.5 x 4.4 x 3.7	17 x 4.4 x 3.7	17 x 4.4 x 3.7	18.4 x 4.4 x 3.7	18.4 x 4.4 x 3.7	20.8 x 4.4 x 3.7	20.8 x 4.4 x 3.7	20.9 x 4.4 x 3.7
Machine Weight (Approx.)	t	94	94	95	97	97	99	99	101	101	103	103	104	104	105	105	112	112	120	120	130	130	143	143	160	160	180

All technical data and features are subjected to change without notice.

# SUPERMASTER 3000 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t
Opening Stroke	mm
Maximum Daylight	mm
Mould platen (Hw)	mm
Space between Tie Bars(Hw)	mm
Max. Mould Thickness	mm
Min. Mould Thickness	mm
Ejector Stroke	mm
Ejector Force	t



Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (ps)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure(Max)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (ps)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	65	50	50	60	60	47	50	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650

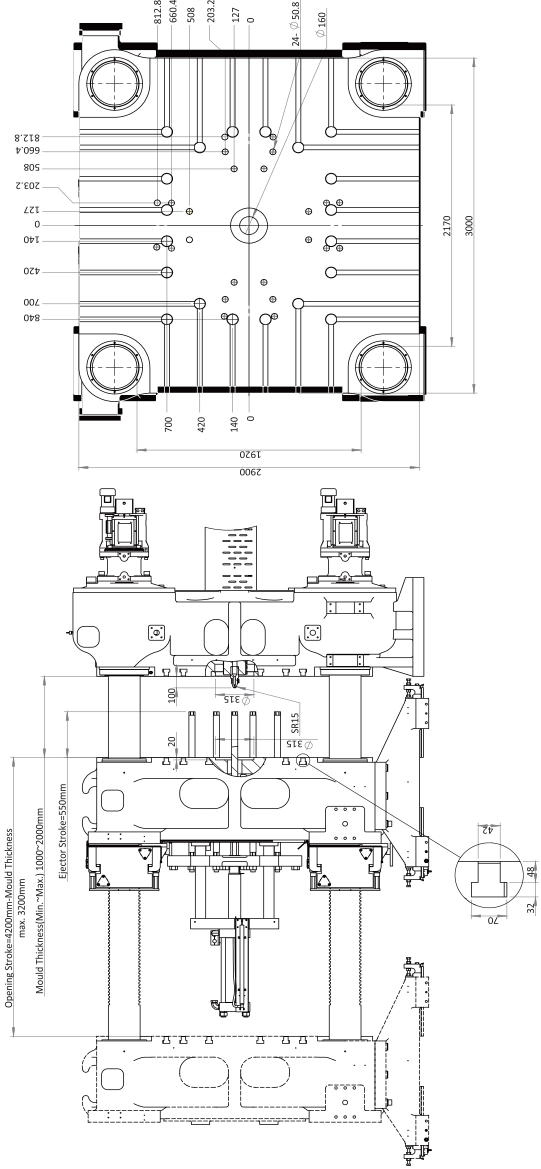
## Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	84	96	96	108	108	132	132	168	168	180	180	204	204	204	240	240	300	300	360	360	480	480	660	660	720	720	
Heating capacity	kW	38	38	42	42	48	48	50	50	70	70	80	80	95	95	100	130	130	175	175	220	220	270	270	330	330	390	390	
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	
Oil tank capacity	L	1,900	1,900	1,950	1,950	2,000	2,000	2,500	2,500	2,600	2,600	2,950	2,950	3,550	3,550	4,100	4,400	4,400	6,200	6,200	7,650	7,650	8,900	8,900	11,200	11,200	12,700	12,700	
Machine Dimensions(LxWxH)	m	11.9 x 5 x 4	11.9 x 5 x 4	12 x 5 x 4	12 x 5 x 4	12.1 x 5 x 4	12.1 x 5 x 4	12.9 x 5 x 4	12.9 x 5 x 4	13.6 x 5 x 4	13.6 x 5 x 4	13.7 x 5 x 4	13.7 x 5 x 4	14.1 x 5 x 4	14.1 x 5 x 4	14.1 x 5 x 4	15.1 x 5 x 4	15.1 x 5 x 4	16 x 5 x 4	16 x 5 x 4	17.5 x 5 x 4	17.5 x 5 x 4	18.9 x 5 x 4	18.9 x 5 x 4	21.3 x 5 x 4	21.3 x 5 x 4	23.3 x 5 x 4	23.3 x 5 x 4	
Machine Weight (Approx.)	t	114	114	115	115	117	117	119	119	121	121	123	123	124	124	125	132	132	140	140	150	150	163	163	180	180	180	180	114

All technical data and features are subjected to change without notice.

## SUPERMASTER 3600 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t
Opening Stroke	3,600
Maximum Daylight	2,200 - 3,200
Mould platen(HxV)	4,200
Space between Tie Bars (HxV)	3,000 x 2,900
Max. Mould Thickness	2,170 x 1,920
Min. Mould Thickness	2,000
Ejector Stroke	1,000
Ejector Force	550
	t
	55



Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	80	83	69	65	50	50	60	50	60	47	50	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650

### Others

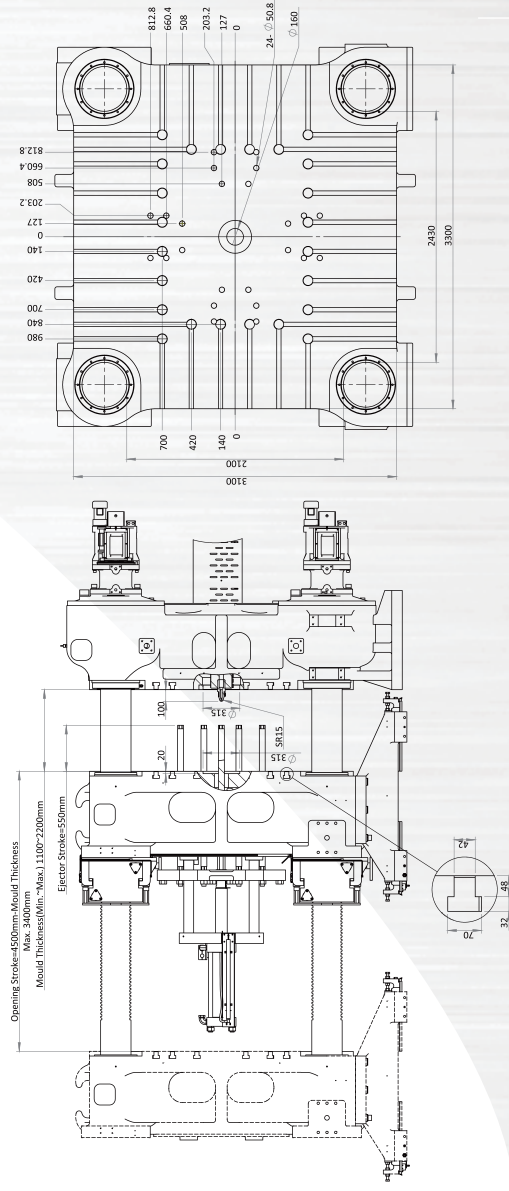
System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	84	96	96	108	108	132	132	168	168	180	180	204	204	204	240	240	300	300	360	360	480	480	660	660	720	720
Heating capacity	kW	38	38	42	42	48	48	50	50	70	70	80	80	95	95	100	130	130	175	175	220	220	270	270	330	330	390	390
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	1,950	1,950	2,000	2,000	2,050	2,050	2,550	2,550	2,650	2,650	3,000	3,000	3,600	3,600	4,150	4,150	4,450	4,450	6,250	6,250	7,700	7,700	8,950	8,950	11,250	11,250	12,750
Machine Dimensions(LxWxH)	m	12.4 x 5.3 x 4.2	12.4 x 5.3 x 4.2	12.5 x 5.3 x 4.2	12.5 x 5.3 x 4.2	12.6 x 5.3 x 4.2	12.6 x 5.3 x 4.2	13.5 x 5.3 x 4.2	13.5 x 5.3 x 4.2	14 x 5.3 x 4.2	14 x 5.3 x 4.2	14 x 5.3 x 4.2	14 x 5.3 x 4.2	14.5 x 5.3 x 4.2	14.5 x 5.3 x 4.2	14.5 x 5.3 x 4.2	15.6 x 5.3 x 4.2	15.6 x 5.3 x 4.2	16.5 x 5.3 x 4.2	16.5 x 5.3 x 4.2	18 x 5.3 x 4.2	18 x 5.3 x 4.2	19.4 x 5.3 x 4.2	19.4 x 5.3 x 4.2	21.8 x 5.3 x 4.2	21.8 x 5.3 x 4.2	23.8 x 5.3 x 4.2	23.8 x 5.3 x 4.2
Machine Weight (Approx.)	t	139	139	140	140	142	142	144	144	146	146	148	148	149	149	150	157	157	165	165	175	175	188	188	205	205	225	225

All technical data and features are subjected to change without notice.



# SUPERMASTER 4500 - TP Advanced

<b>Clamping Unit</b>	Unit
Clamping Force (Max.)	t
Opening Stroke	4,500
Maximum Daylight	2,300 - 3,400
Mould platen (HxV)	4,500
Mould platen (HxV)	3,300 x 3,130
Space between Tie Bars (HxV)	2,430 x 2,100
Max. Mould Thickness	2,200
Min. Mould Thickness	1,100
Ejector Stroke	550
Ejector Force	55



Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm <sup>3</sup>	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	g	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	mm	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	L/D	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max.)	kgf/cm <sup>2</sup>	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	g/s	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	rpm	150	150	140	140	130	130	115	115	110	110	100	100	95	95	95	80	83	69	65	50	60	50	60	47	50	40	40
Screw stroke	mm	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650

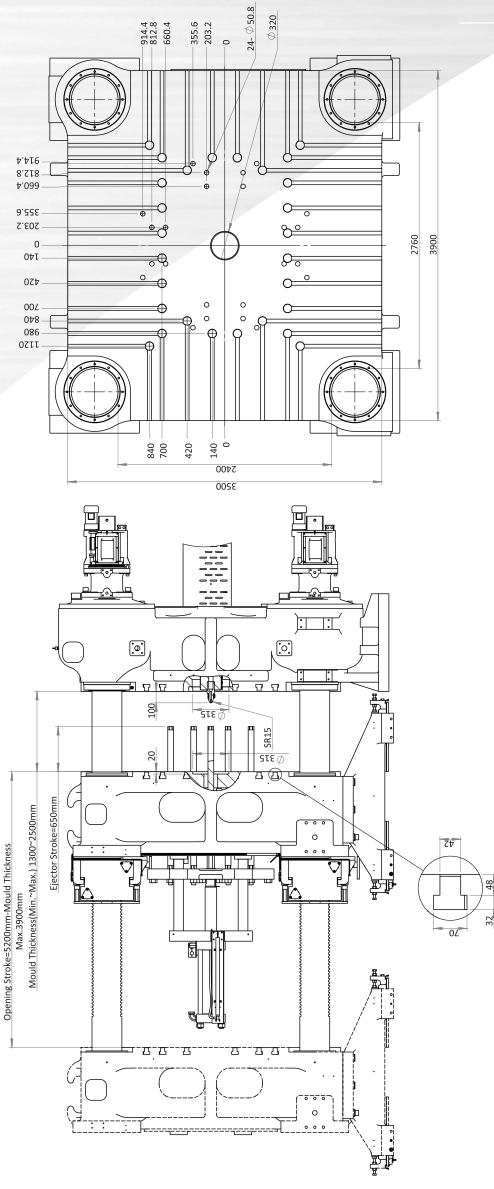
## Others

System pressure	MPa	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	kW	84	96	96	108	108	132	132	168	168	168	180	180	204	204	204	240	240	300	300	300	360	360	480	480	660	660	720	720
Heating capacity	kW	38	42	42	48	48	50	50	70	70	70	80	80	95	95	100	100	130	130	175	175	220	220	270	270	330	330	390	390
Temperature control zones	Zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	L	2,100	2,150	2,150	2,200	2,200	2,700	2,700	2,800	2,800	2,800	3,150	3,150	3,750	3,750	4,300	4,300	4,600	4,600	6,400	6,400	7,850	7,850	9,100	9,100	11,400	11,400	12,900	12,900
Machine Dimensions (LxWxH)	m	13 x 5.9 x 4.4	13.1 x 5.9 x 4.4	13.1 x 5.9 x 4.4	13.2 x 5.9 x 4.4	13.2 x 5.9 x 4.4	14.0 x 5.9 x 4.4	14.0 x 5.9 x 4.4	14.6 x 5.9 x 4.4	14.6 x 5.9 x 4.4	14.6 x 5.9 x 4.4	14.7 x 5.9 x 4.4	15.1 x 5.9 x 4.4	15.1 x 5.9 x 4.4	15.1 x 5.9 x 4.4	15.1 x 5.9 x 4.4	15.1 x 5.9 x 4.4	16.1 x 5.9 x 4.4	16.1 x 5.9 x 4.4	17 x 5.9 x 4.4	17 x 5.9 x 4.4	18.6 x 5.9 x 4.4	18.6 x 5.9 x 4.4	20 x 5.9 x 4.4	20 x 5.9 x 4.4	22.4 x 5.9 x 4.4	22.4 x 5.9 x 4.4	24.4 x 5.9 x 4.4	24.4 x 5.9 x 4.4
Machine Weight (Approx.)	t	174	175	175	177	177	179	179	181	181	181	183	183	184	184	185	192	192	200	200	210	210	223	223	240	240	260	260	260

All technical data and features are subjected to change without notice.

# SUPERMASTER 6500 - TP Advanced

Clamping Unit	Unit
Clamping Force (Max.)	t
Opening Stroke	6,500
Maximum Daylight	2,700 - 3,900
Mould platen (HW)	5,200
Mould platen (HW)	3,800 x 3,630
Space between Tie Bars(HW)	2,760 x 2,400
Max. Mould Thickness	2,500
Min. Mould Thickness	1,300
Ejector Stroke	650
Ejector Force	t
	80



Injection unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot weight (PS)	1,969	2,316	2,605	3,089	3,432	4,324	4,756	5,661	6,175	7,247	7,851	9,105	9,806	11,257	13,186	17,948	21,013	27,445	31,447	39,801	44,866	55,390	61,197	74,049	81,075	96,486	106,135
Screw diameter	83	90	90	98	98	110	110	120	120	130	130	140	140	150	150	175	175	200	200	225	225	250	250	275	275	300	300
Screw L/D ratio	22	20.3	22	20.2	22	19.6	22	20.2	22	20.3	22	20.4	22	20.5	22	18.9	22	19.3	22	19.6	22	19.8	22	20	22	20.2	22
Injection pressure (Max.)	1,906	1,620	1,874	1,579	1,874	1,487	1,874	1,579	1,874	1,599	1,834	1,579	1,834	1,599	1,834	1,345	1,630	1,253	1,630	1,283	1,630	1,324	1,630	1,345	1,630	1,365	1,630
Injection rate (PS)	510	599	578	685	655	825	805	958	951	1,116	1,106	1,282	1,265	1,452	1,265	1,722	1,629	2,128	2,011	2,545	2,475	3,056	2,839	3,435	3,922	4,667	4,518
Screw rotation speed (Max.)	150	150	140	140	130	130	115	115	110	110	100	100	95	95	95	80	83	69	65	50	50	60	60	47	50	40	40
Screw stroke	400	400	450	450	500	500	550	550	600	600	650	650	700	700	820	820	960	960	1,100	1,100	1,240	1,240	1,370	1,370	1,500	1,500	1,650
Others																											
System pressure	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5	17.5
Pump motor	84	84	96	96	108	108	132	132	168	168	180	180	204	204	204	240	240	300	300	300	360	360	480	480	660	660	720
Heating capacity	38	38	42	42	48	48	50	50	70	70	80	80	95	95	100	100	130	130	175	175	220	220	270	270	330	330	390
Temperature control zones	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
Oil tank capacity	2,400	2,400	2,450	2,450	2,500	2,500	2,950	2,950	3,050	3,050	3,400	3,400	4,000	4,000	4,550	4,550	4,850	4,850	6,650	6,650	8,100	8,100	9,350	9,350	11,650	11,650	13,150
Machine Dimensions (LxWxH)	14,1 x 6,4 x 5	14,1 x 6,4 x 5	14,2 x 6,4 x 5	14,2 x 6,4 x 5	14,3 x 6,4 x 5	14,3 x 6,4 x 5	15,1 x 6,4 x 5	15,1 x 6,4 x 5	15,7 x 6,4 x 5	15,7 x 6,4 x 5	15,8 x 6,4 x 5	15,8 x 6,4 x 5	16,2 x 6,4 x 5	16,2 x 6,4 x 5	16,2 x 6,4 x 5	16,2 x 6,4 x 5	17,2 x 6,4 x 5	17,2 x 6,4 x 5	18,1 x 6,4 x 5	18,1 x 6,4 x 5	19,6 x 6,4 x 5	19,6 x 6,4 x 5	21 x 6,4 x 5	21 x 6,4 x 5	23,5 x 6,4 x 5	23,5 x 6,4 x 5	25,4 x 6,4 x 5
Machine Weight (Approx.)	284	284	285	285	287	287	289	289	291	291	293	293	294	294	295	302	302	310	310	310	320	320	333	333	350	350	370

All technical data and features are subjected to change without notice.



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