Chen Hsong Europe

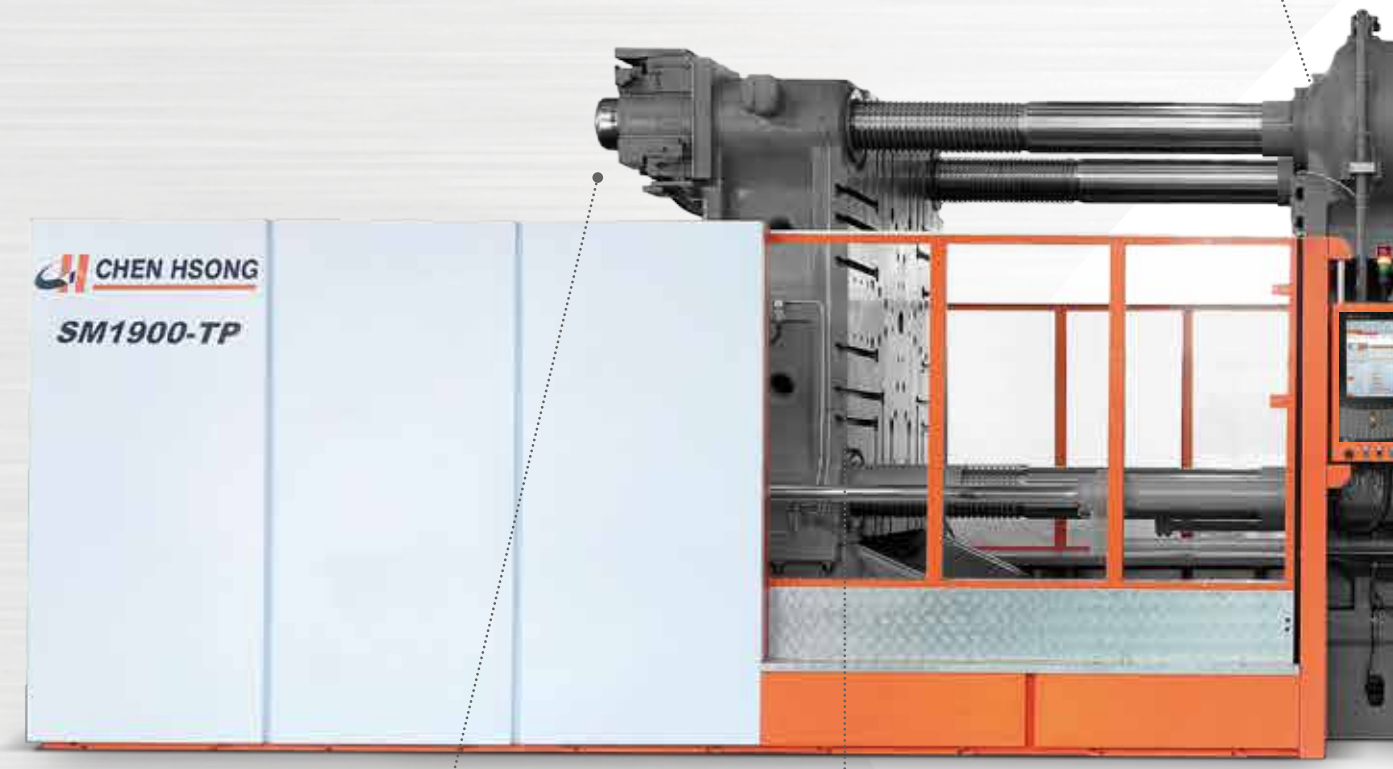
SUPERMASTER TP-SERIES

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, Telemechanique, 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.

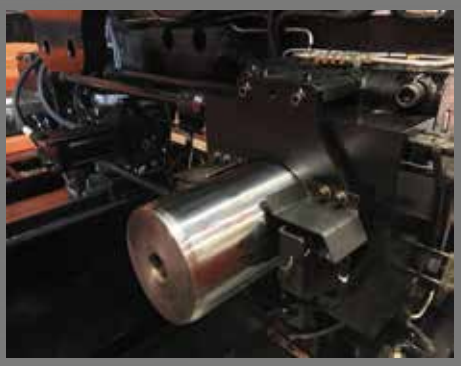
ENERGY SAVING

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	•	
OTHERS		
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	

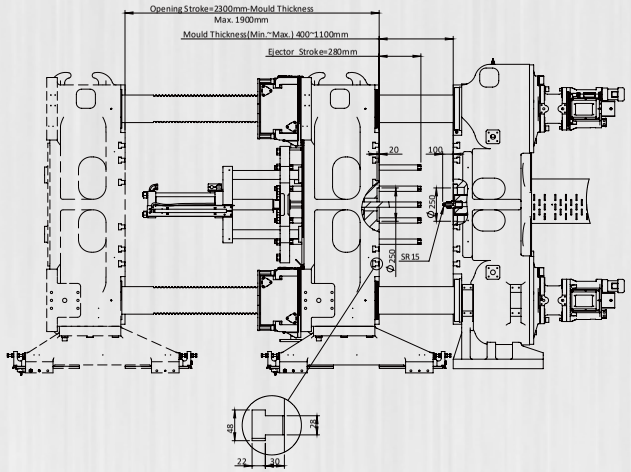
* T-slot / ejector pattern may differ from standard due to platen design.

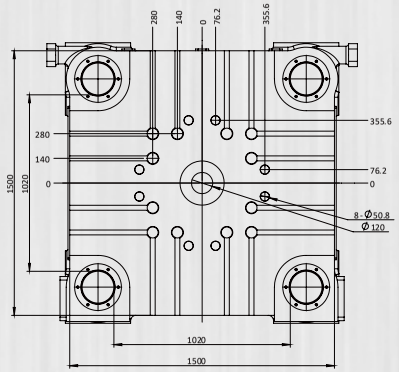


INJECTION UNIT	STANDARD	OPTION
Ceramic heater bands	•	
Nitrated screw and barrel	•	
Bi-metallic screw and barrel		•
PET or PVC screw features		•
Adjustable backpressure	•	
Barrel shut-off nozzle		•
Hydraulic/pneumatic sequential injection(up to30 valves)		•
Linear transducer on injection stroke	•	
Linear 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	700
Opening Stroke	mm	1,200 - 1,900
Maximum Daylight	mm	2,300
Mould platen (HxV)	mm	1,500 x 1,500
Space between Tie Bars (HxV)	mm	1,020 x 1,020
Max. Mould Thickness	mm	1,100
Min. Mould Thickness	mm	400
Ejector Stroke	mm	280
Ejector Force	t	22



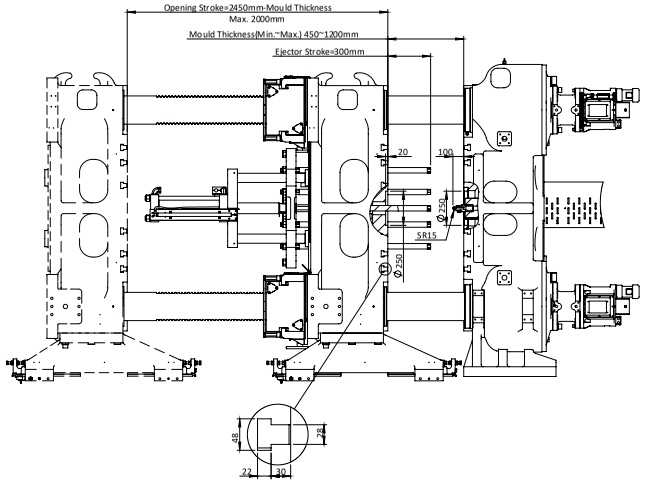


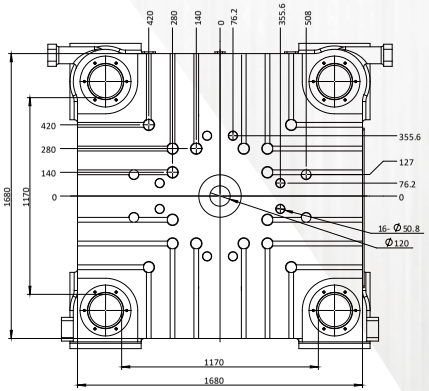
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	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		12,500
Machine Dimensions (LxWxH)	m	9.2 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		11.3 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	10.6 x 2.9 x 2.5
Machine Weight (Approx.)	t	28		29		31		33		35		37		38		39		46		54		64		77		94		114

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

SUPERMASTER 850 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	850
Opening Stroke	mm	1,250 - 2,000
Maximum Daylight	mm	2450
Mould platen (HxV)	mm	1,680 x 1,680
Space between Tie Bars(HxV)	mm	1,170 x 1,170
Max. Mould Thickness	mm	1,200
Min. Mould Thickness	mm	450
Ejector Stroke	mm	300
Ejector Force	t	22



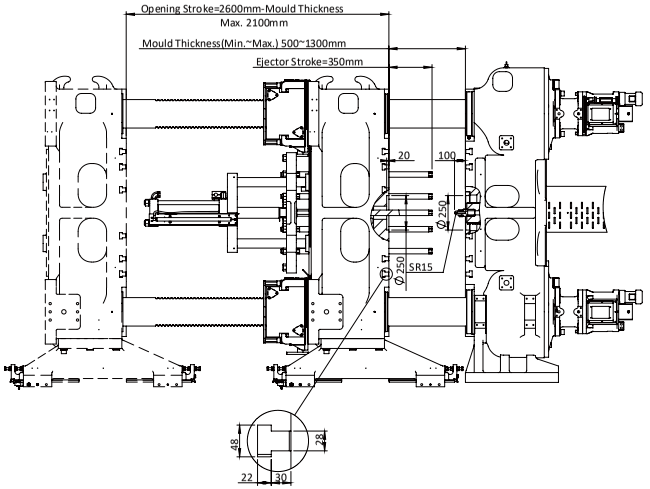


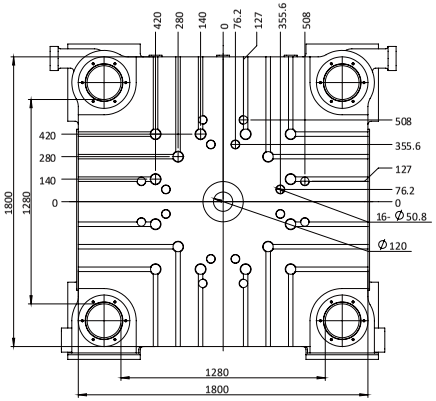
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	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		3,350		3,900		4,200		6,000		7,450		8,700		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		12.7 x 3.1 x 2.7		13.6 x 3.1 x 2.7		15.1 x 3.1 x 2.7		16.5 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		44		51		59		69		82		99		119

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

SUPERMASTER 1050 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	1,050
Opening Stroke	mm	1,300 - 2,100
Maximum Daylight	mm	2,600
Mould platen (HxV)	mm	1,800 x 1,800
Space between Tie Bars (HxV)	mm	1,280 x 1,280
Max. Mould Thickness	mm	1,300
Min. Mould Thickness	mm	500
Ejector Stroke	mm	350
Ejector Force	t	22



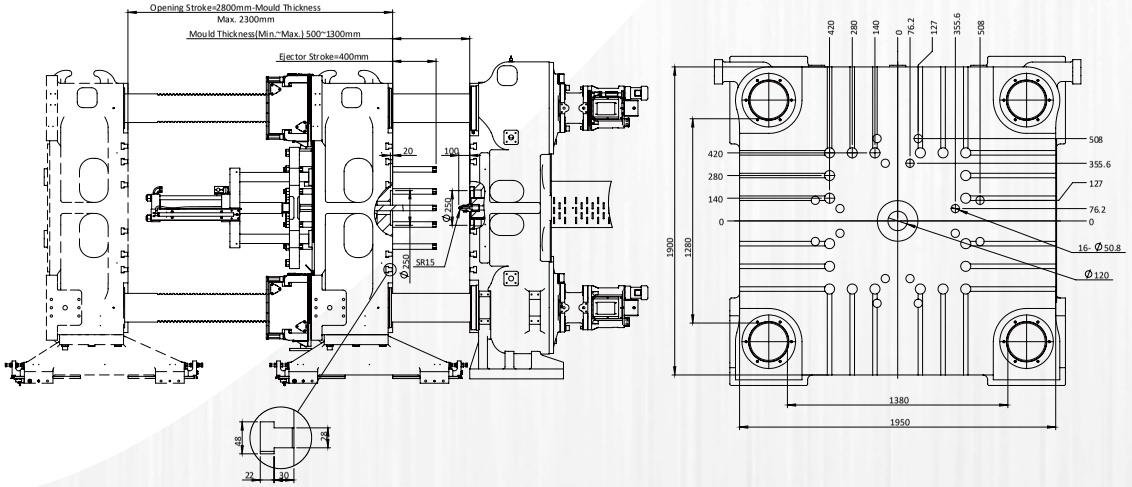


Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	1,700		1,750		1,800		2,300		2,400		2,750		3,350		3,900		4,200		6,000		7,450		8,700		11,000		12,500
Machine Dimensions (LxWxH)	m	9.9 x 3.3 x 2.8		10.0 x 3.3 x 2.8		10.1 x 3.3 x 2.8		10.8 x 3.3 x 2.8		11.5 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		13.0 x 3.3 x 2.8		13.9 x 3.3 x 2.8		15.4 x 3.3 x 2.8		16.8 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		40		42		44		46		48		49		50		57		65		75		88		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 (HxV)	mm	1,950 x 1,900
Space between Tie Bars (HxV)	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

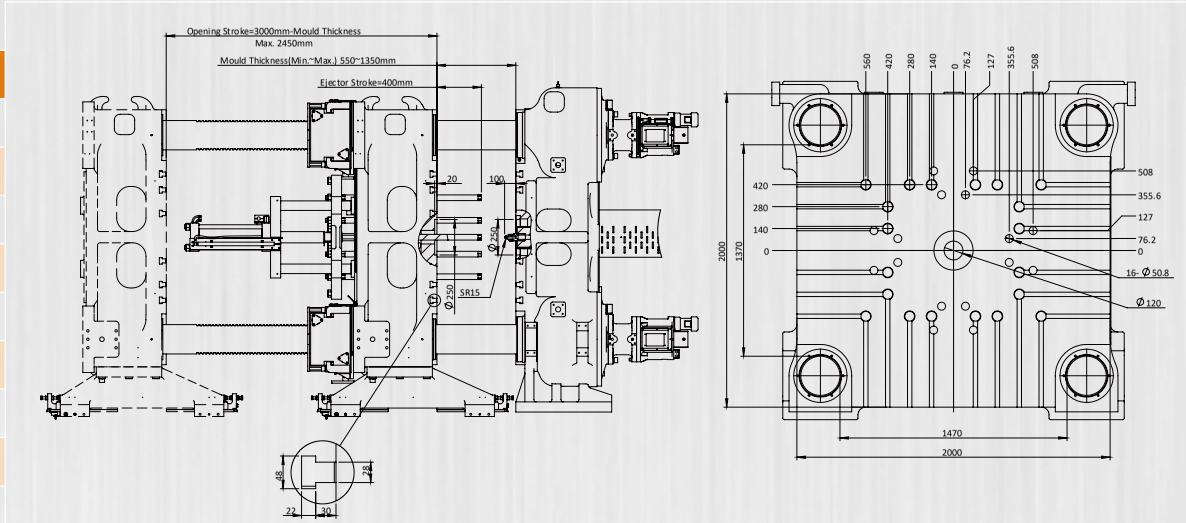


Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	1,730		1,780		1,830		2,300		2,400		2,750		3,350		3,900		4,200		6,000		7,450		8,700		11,000		12,500
Machine Dimensions (LxWxH)	m	10.2 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		11.9 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		14.2 x 3.5 x 3		15.8 x 3.5 x 3		17.1 x 3.5 x 3		19.6 x 3.5 x 3		21.6 x 3.5 x 3
Machine Weight (Approx.)	t	49		50		52		54		56		58		59		60		67		75		85		98		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 platen (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

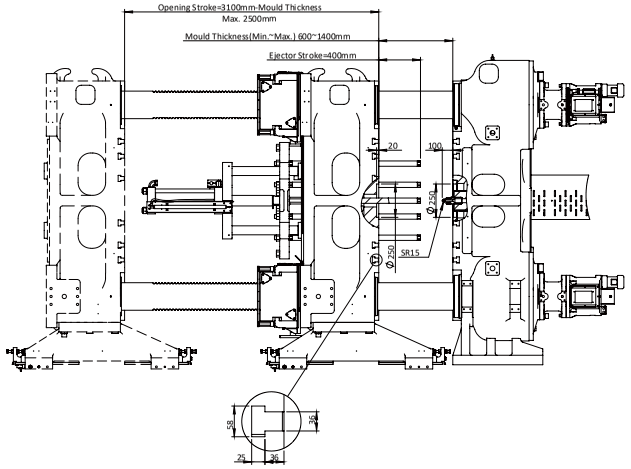


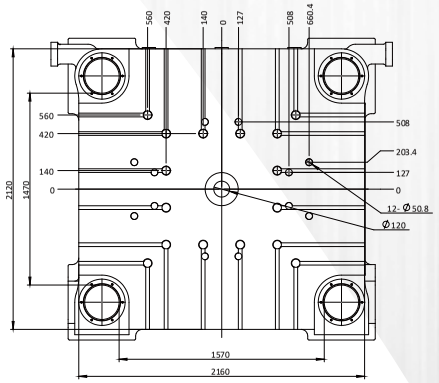
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	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		2,750		3,350		3,900		4,200		6,000		7,450		8,700		11,000		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		12.3 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
Machine Weight (Approx.)	t	54		55		57		59		61		63		64		65		72		80		90		103		120		140

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

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



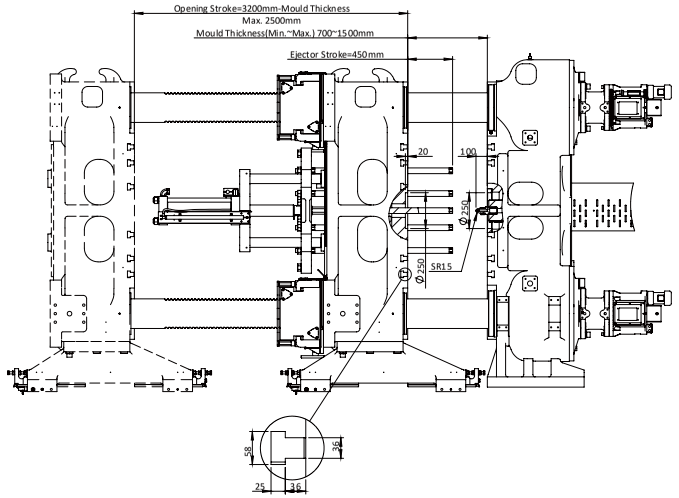


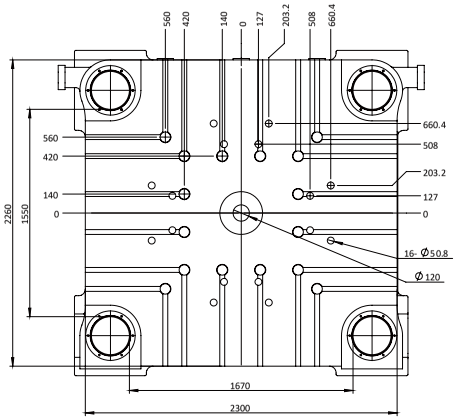
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	1,780		1,830		1,880		2,350		2,450		2,800		3,400		3,950		4,250		6,050		7,500		8,750		11,050		12,550
Machine Dimensions (LxWxH)	m	10.6 x 3.8 x 3.3		10.7 x 3.8 x 3.3		10.8 x 3.8 x 3.3		11.6 x 3.8 x 3.3		12.2 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		16.1 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
Machine Weight (Approx.)	t	59		60		62		64		66		68		69		70		77		85		95		108		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 (HxV)	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



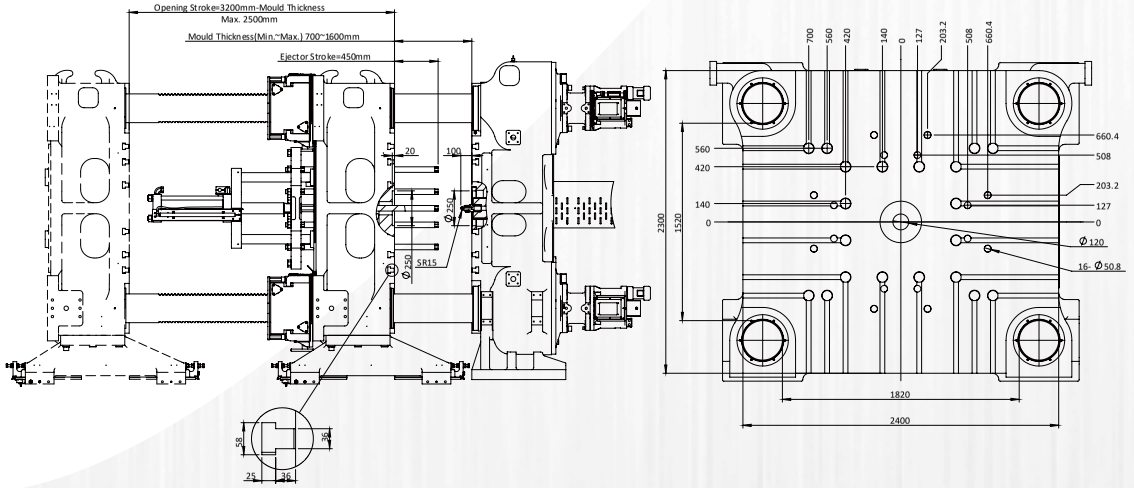


Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	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)	m	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.)	t	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 (HxV)	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

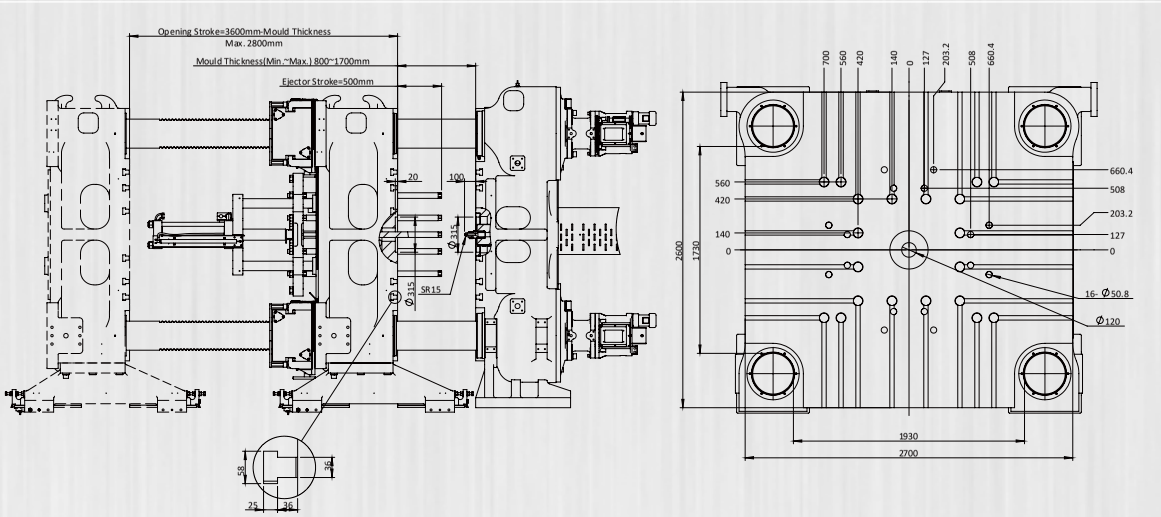


Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^3	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	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	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)	m	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.)	t	74		75		77		79		81		83		84		85		92		100		110		123		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(HxV)	mm	2,700 x 2,600
Space between Tie Bars(HxV)	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

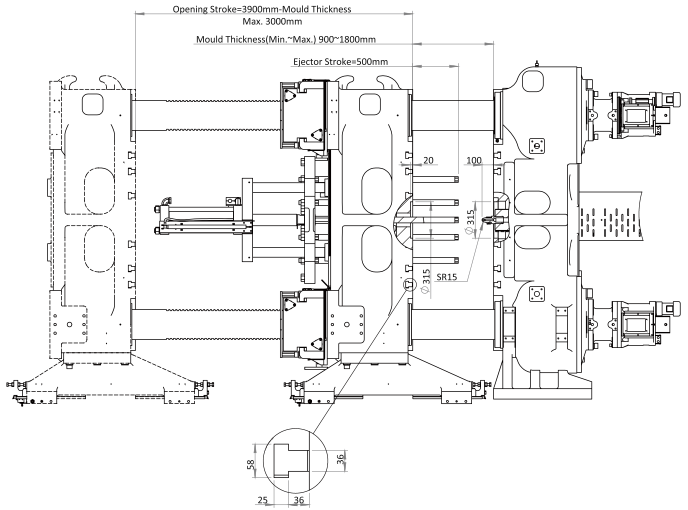


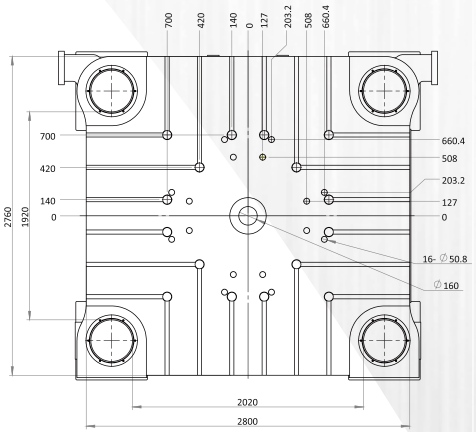
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	1,850		1,900		1,950		2,450		2,550		2,900		3,500		4,050		4,350		6,150		7,600		8,850		11,150		12,650
Machine Dimensions (LxWxH)	m	11.5 x 4.4 x 3.7		11.6 x 4.4 x 3.7		11.7 x 4.4 x 3.7		12.5 x 4.4 x 3.7		13.1 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		14.6 x 4.4 x 3.7		15.5 x 4.4 x 3.7		17 x 4.4 x 3.7		18.4 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		95		97		99		101		103		104		105		112		120		130		143		160		180

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

SUPERMASTER 3000 - TP Advanced

Clamping Unit	Unit	
Clamping Force (Max.)	t	3,000
Opening Stroke	mm	2,100 - 3,000
Maximum Daylight	mm	3,900
Mould platen (HxV)	mm	2,800 x 2,760
Space between Tie Bars (HxV)	mm	2,020 x 1,820
Max. Mould Thickness	mm	1,800
Min. Mould Thickness	mm	900
Ejector Stroke	mm	500
Ejector Force	t	45



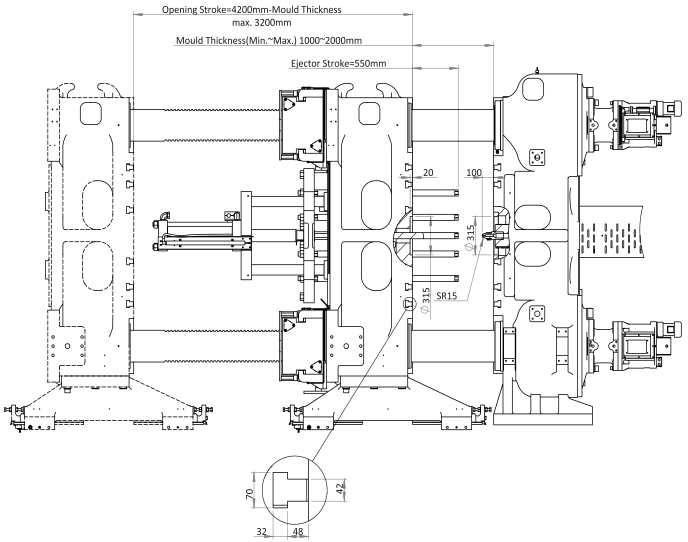


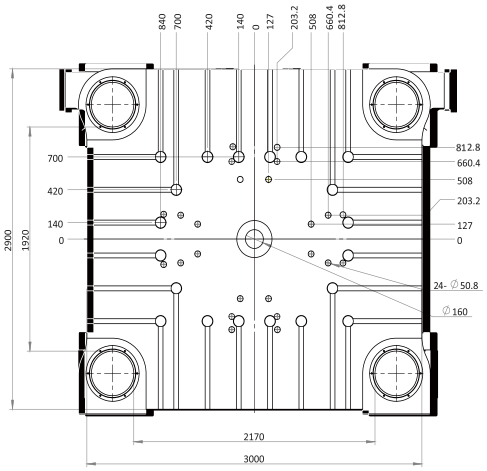
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	1,900		1,950		2,000		2,500		2,600		2,950		3,550		4,100		4,400		6,200		7,650		8,900		11,200		12,700
Machine Dimensions (LxWxH)	m	11.9 x 5 x 4		12 x5 x 4		12.1 x 5 x 4		12.9 x 5 x 4		13.6 x 5 x 4		13.7 x 5 x 4		14.1 x 5 x 4		14.1 x 5 x 4		15.1 x 5 x 4		16 x 5 x 4		17.5 x 5 x 4		18.9 x 5 x 4		21.3 x 5 x 4		23.3 x 5 x 4
Machine Weight (Approx.)	t	114		115		117		119		121		123		124		125		132		140		150		163		180		114

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

SUPERMASTER 3600 - TP Advanced

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



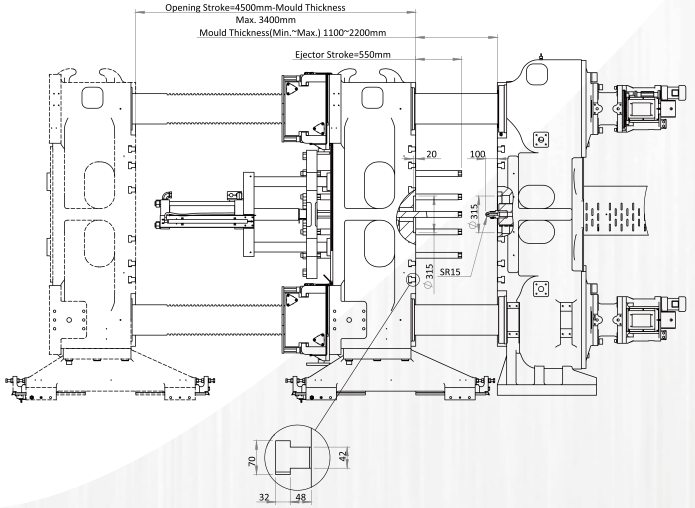


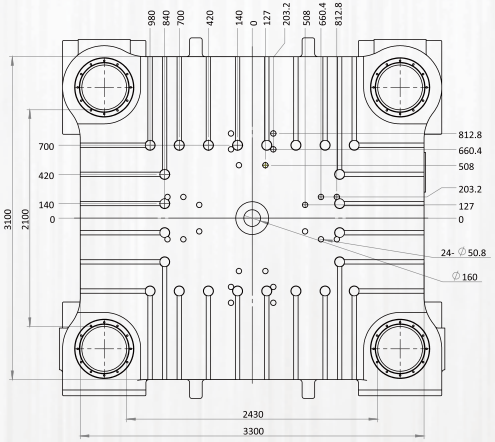
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	1,950		2,000		2,050		2,550		2,650		3,000		3,600		4,150		4,450		6,250		7,700		8,950		11,250		12,750
Machine Dimensions (LxWxH)	m	12.4 x 5.3 x 4.2		12.5 x 5.3 x 4.2		12.6 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		14.5 x 5.3 x 4.2		14.5 x 5.3 x 4.2		15.6 x 5.3 x 4.2		16.5 x 5.3 x 4.2		18 x 5.3 x 4.2		19.4 x 5.3 x 4.2		21.8 x 5.3 x 4.2		23.8 x 5.3 x 4.2
Machine Weight (Approx.)	t	139		140		142		144		146		148		149		150		157		165		175		188		205		225

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

SUPERMASTER 4500 - TP Advanced

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



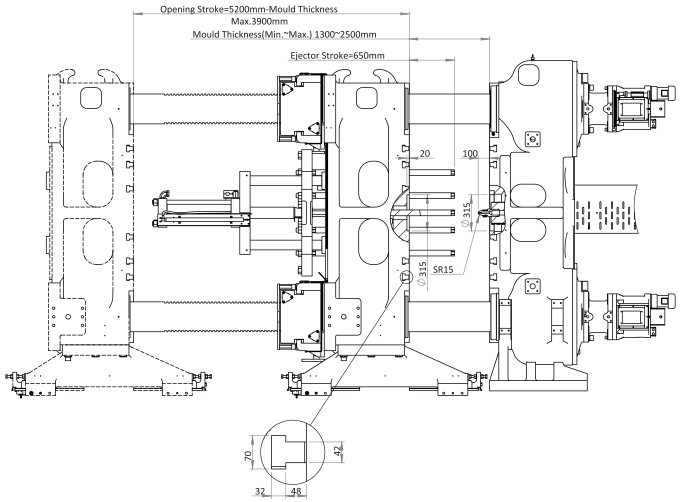


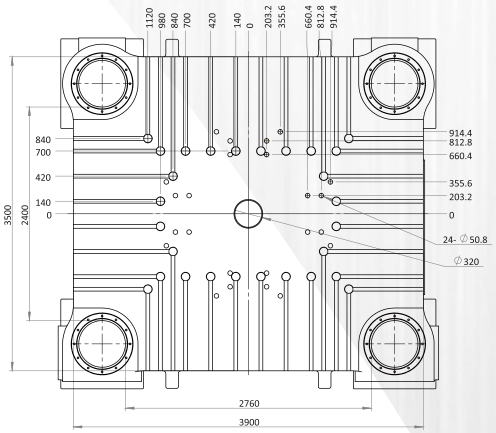
Injection unit	Unit	J1	J2	K1	K2	N1	N2	P1	P2	Q1	Q2	A1	A2	R1	R2	B1	B2	C1	C2	D1	D2	E1	E2	F1	F2	G1	G2	H
Swept volume	cm^3	2,164	2,545	2,863	3,394	3,771	4,752	5,227	6,220	6,786	7,964	8,628	10,006	10,776	12,370	14,491	19,723	23,091	30,159	34,558	43,737	49,303	60,868	67,250	81,372	89,094	106,029	116,632
Shot 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^2	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	2,100		2,150		2,200		2,700		2,800		3,150		3,750		4,300		4,600		6,400		7,850		9,100		11,400		12,900
Machine Dimensions (LxWxH)	m	13 x 5.9 x 4.4		13.1 x 5.9 x 4.4		13.2 x 5.9 x 4.4		14.0 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		16.1 x 5.9 x 4.4		17 x 5.9 x 4.4		18.6 x 5.9 x 4.4		20 x 5.9 x 4.4		22.4 x 5.9 x 4.4		24.4 x 5.9 x 4.4
Machine Weight (Approx.)	t	174		175		177		179		181		183		184		185		192		200		210		223		240		260

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

SUPERMASTER 6500 - TP Advanced

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





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^3	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^3	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
Pump motor	kW	84		96		108		132		168		180		204		204		240		300		360		480		660		720
Heating capacity	kW	38		42		48		50		70		80		95		100		130		175		220		270		330		390
Temperature control zones	Zones	7		7		7		7		7		7		7		7		7		7		7		7		7		7
Oil tank capacity	L	2,400		2,450		2,500		2,950		3,050		3,400		4,000		4,550		4,850		6,650		8,100		9,350		11,650		13,150
Machine Dimensions (LxWxH)	m	14.1 x 6.4 x 5		14.2 x 6.4 x 5		14.3 x 6.4 x 5		15.1 x 6.4 x 5		15.7 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		17.2 x 6.4 x 5		18.1 x 6.4 x 5		19.6 x 6.4 x 5		21 x 6.4 x 5		23.5 x 6.4 x 5		25.4 x 6.4 x 5
Machine Weight (Approx.)	t	284		285		287		289		291		293		294		295		302		310		320		333		350		370

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

Chen Hsong Europe

Address: Hooghe Weg 4,47906
Kempen,Germany
Phone: +49(0)15204695827
Email: europe@chenhsong.com
Website: chenhsong.com

202206