

Guangdong Topstar Technology Co., Ltd.

ADD : No.2 Chuangxin Road, Datanglang, Dalingshan Town, Dongguan City,
Guangdong Province.

TEL: 0086 769 8305 0999

FAX: 0086 769 8584 5562

Topstar Intelligent Equipment Headquarters Base

ADD: No. 39, Lianhuan Road, Lianping Village, Dalingshan Town, Dongguan City,
Guangdong Province

East China R&D and Manufacturing Base

ADD: No.1999 Songjia Road, Guoxiang Street, Wuzhong Economic
Development Zone, Suzhou City, Jiangsu Province

TEL: 0086-0512-5288 9310

MOB: 185 0156 0757

Topstar (Vietnam) Technology Co.,Ltd.

ADD: No. 48 Kinh Duong Vuong Street, Vu Ninh Ward, Bac Ninh City,
Bac Ninh Province

TEL : 0084-346-860 156

MOB: 186 0209 6307

Topstar Mexico Technology S.A DE C.V.

ADD: calle cantu numero 9, interior 103, colonia anzures, delegacion
miguel hidalgo, Ciudad de Mexico, Mexico, cp 11590

TEL : 0052-8121728864

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haiwai@topstarltd.com

www.topstarmachine.com

TS SERIES

INJECTION MOLDING MACHINE

Toggle Hydraulic Servo Driven



Stock Code 300607



Suzhou Wuzhong Economic Development Zone
East China R&D and Manufacturing Base

Introduction of Injection Molding Machine Business Unit

Make injection molding manufacturing more efficient, make industrial manufacturing better

Topstar Injection Molding Machine Business Unit is the only domestic injection molding equipment organization with an "injection molding machine and auxiliary equipment self-research and self-production system". Its advantages are high self-research rate, wide user base, integration experience and implementation of the whole plant.

Topstar insists on the mission of "making industrial manufacturing better". Based on the Topstar intelligent equipment platform and more than 30 years of brand injection molding machine heritage, we are committed to promoting more intelligent injection molding machines and system engineering, to provide customers with the whole process and the whole cycle of injection molding product services.

R&D Concept

Topstar injection molding machine research and development concept focus on "systematization, universalization, precision, cost-effectiveness".

Systematization refers to the use of hardware to enable the injection molding machine, robot and auxiliary machine to cooperate to achieve "robot tracking clamping position compensation" and improve the performance of the injection molding station. At the same time, the use of "injection molding machine control system" software to achieve the integration of injection molding machine and auxiliary machine control, thus forming a systemic overall solution for the injection molding industry.

Precision refers to the optimization of independent research and product design to improve temperature, speed, injection pressure; reduce raw materials; control energy consumption and other key indicators, to improve product quality and production efficiency.

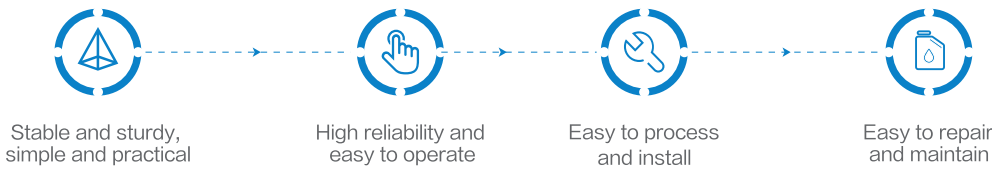
Generalization means that the Topstar injection molding machine applies to most industries and scenarios of injection molding machine applications, and it can facilitate the production of many kinds of products for customers.

Cost-effectiveness refers to the design principle of "10%-15% improvement in accessories and functions of injection molding equipment" when comparing with products of the same price level, to improve efficiency and reduce costs for customers.

TS Series Products

The injection molding machine has the ability to mold dense plastic products with complex appearance, precise dimensions or metal inserts in one go.

Product Features



- High strength, stable and reliable
- Excellent plasticizing components
- High stability and precision control
- High end, self-developed, 12 inch screen computer
- Quiet energy saving

Application Industries

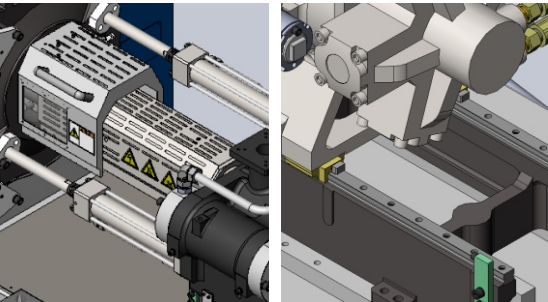
Electronics Router bottom cover Protective case for iPhone 12 RJ45 connector Smartphone back cover	Containers Juicer Cup PCTG Cup Air fryer accessories Disposable water cup
3C Home Appliances LEGRAND Socket cover High-end audio shell Freezer air duct cover Juicer accessories	Cosmetics Cosmetic box Eyebrow pencil refill tube Perfume bottle cap Octagonal lotion bottle cap
Auto Parts Backup radar lens housing Valve body TPV cup holder (for automotive) LED projector headlight	Daily Products Wall-mounted shelf Bathroom organizer Plastic tissue box cover Desktop organizer bins

Product Accessories

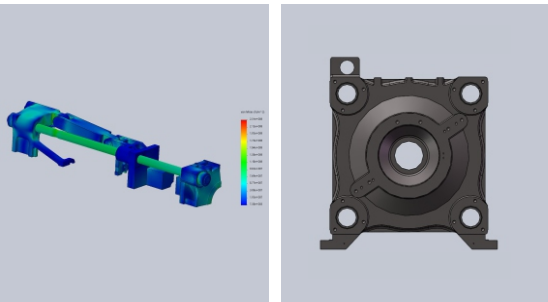
TS general-purpose precision servo-driven injection molding machine
90Ton -470Ton



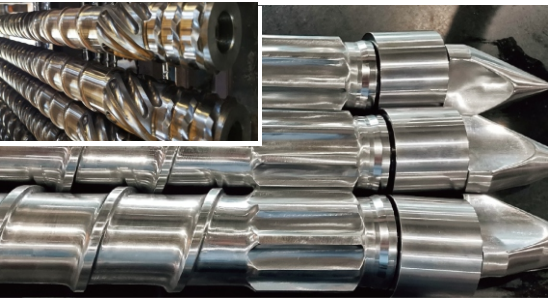
Advanced oil circuit design with professional controller makes the machine action stable, combined with high product yield, fast response time, precise control, easy operation, and meet a variety of process requirements.



Diagonal double injection mold shift oil cylinder and linear guide, more accurate and stable injection.



Optimized and upgraded platen, with reliable structure and small deformation, can effectively protect the equipment and improve the service life of mold.

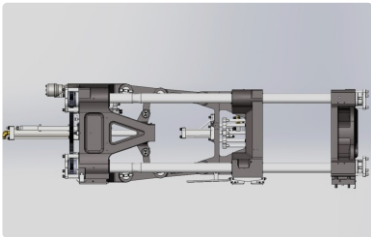


Standard screw: high performance nitride steel, durable and efficient, wide application High color mixing/high mixing screw: to meet the high color mixing products, easy to change color custom screw: specially customized plasticizing components for different products, such as PC, PA, etc.

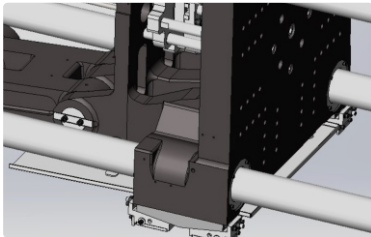
Product Features



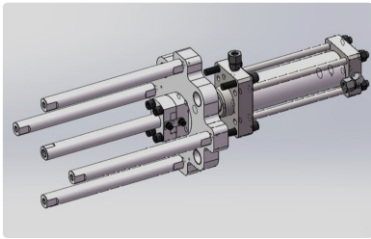
Advanced design of injection, mold clamping and oil pressure system, and comprehensive;



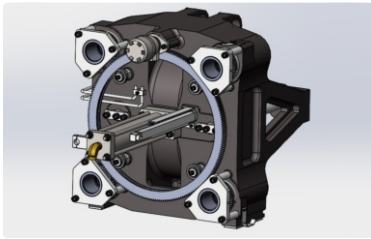
Brand new diagonal hinge layout, which can realize ultra-long stroke mold opening, mold opening position accuracy <1mm, fast and stable platen movement;



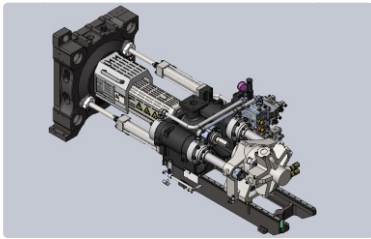
Unique double slider design, easy to adjust the parallelism of the platen;



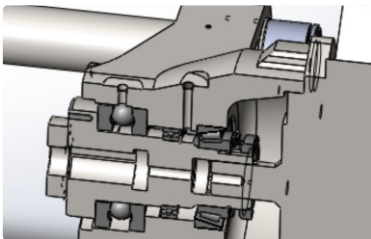
European standard ejector pin, with large operation space;



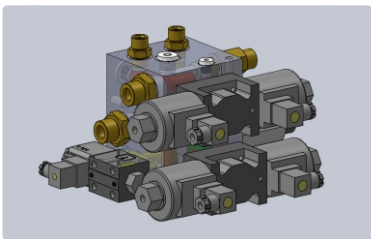
New mold adjustment mechanism, with one-key function available to realize automatic and accurate mold adjustment;



Double injection shift with linear guide, low resistance of injection unit movement, sensitive action, accurate and stable injection;



Three bearing design for the injection drive shaft to ensure coaxiality and small wear of the screw barrel;



Oil circuit system fully upgraded, safe, stable, full-featured, with fast operation cycle of differential clamping;

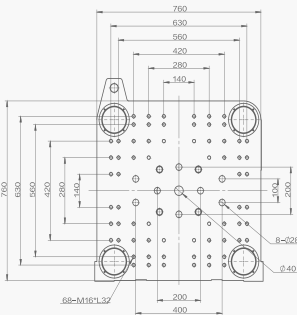
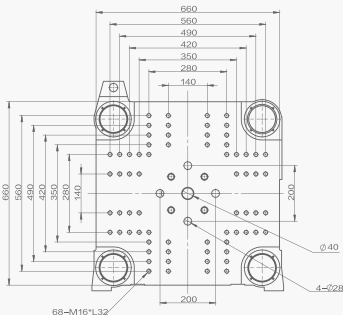
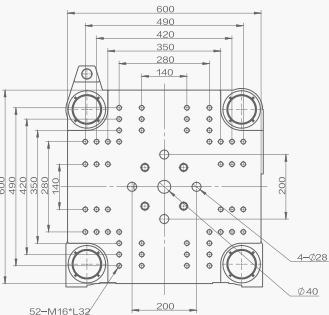
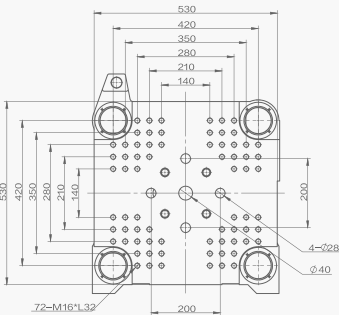


High-end injection molding machine professional computer controller.

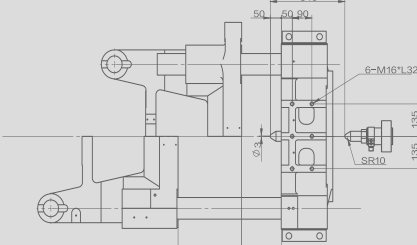
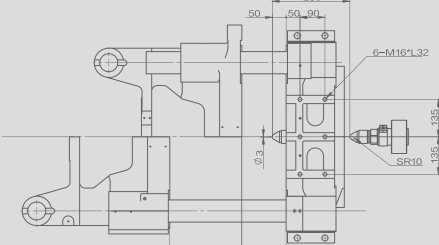
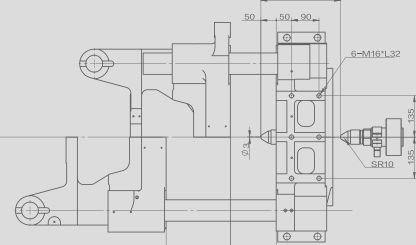
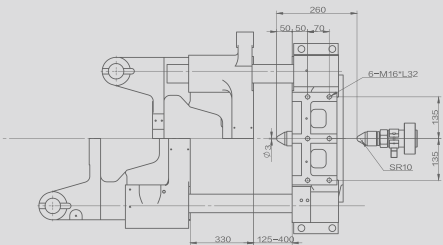
Product Parameters

INJECTION UNIT	UNITS	TS90			TS130			TS170			TS220		
		IU290			IU390			IU590			IU760		
Screw Diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55
Screw L/D Ratio	L/D	22.5	20.0	18.0	22.2	20.0	17.8	22.5	20.0	18.0	22.2	20.0	18.2
Screw Stroke	mm	150	150	150	170	170	170	200	200	200	210	210	210
Shot Volume	cm³	121	153	188	173	214	270	251	318	393	334	412	499
Shot Weight(ps)	g	110	139	172	157	194	246	229	289	357	304	375	454
	oz	3.9	4.9	6.0	5.5	6.8	8.7	8.1	10.2	12.6	10.7	13.2	16.0
Injection Pressure	kgf/cm	2393	1890	1531	2301	1864	1473	2362	1866	1511	2299	1862	1539
Injection Rate	cm³/s	97	122	151	122	151	191	151	191	236	191	236	285
Injection Rate	g/s	88	111	137	111	137	174	137	174	214	174	214	259
Injection Speed	mm/s	120	120	120	120	120	120	120	120	120	120	120	120
Screw Speed	rpm		260			260			230			200	
Nozzle Contact Force			4.2			4.2			6.2			6.2	
Nozzle Stroke	mm		260			260			280			340	
CLAMPING UNIT	UNITS	TS90			TS130			TS170			TS220		
Clamping Force		90			130			170			220		
Opening Stroke	mm	330			360			420			470		
Platen size(H×V)	mm	530 x 530			600 x 600			660 x 660			760 x 760		
Space Between Tie Bars(H×V)	mm	360 x 360			410 x 410			455 x 455			510 x 510		
Mould Thickness (Min)	mm	125			150			160			180		
Mould Thickness (Max)	mm	400			430			500			520		
Max. Daylight	mm	730			790			920			990		
Ejector Force		5.5			5.5			5.5			6.7		
Ejector Stroke	mm	120			120			140			160		
Locating Ring		100			100			125			125		
POWER/HEATING UNIT	UNITS	TS90			TS130			TS170			TS220		
System Pressure	kgf/cm ²	175			175			175			175		
Pump Power	kw	13 / 13			18 / 13			22 / 18			26 / 22		
Heating Power	kw	7			9.7			10.2			13.6		
Number of Temp Control Zones		3+1			3+1			3+1			3+1		
OTHERS	UNITS	TS90			TS130			TS170			TS220		
Machine Dimensions(LxWxH)	m	4.45 x 1.24 x 1.84			4.69 x 1.3 x 1.89			5.18 x 1.38 x 1.96			5.77 x 1.53 x 2.07		
Oil Tank Capacity	L	150			150			200			240		
Machine Weight	t	3			3.6			4.3			6.2		

Platen dimensions



Platen dimensions

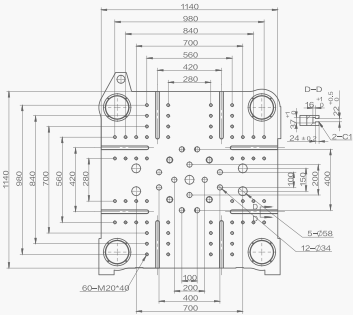
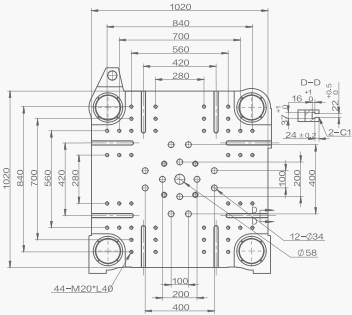
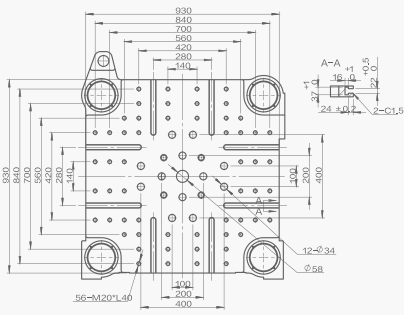
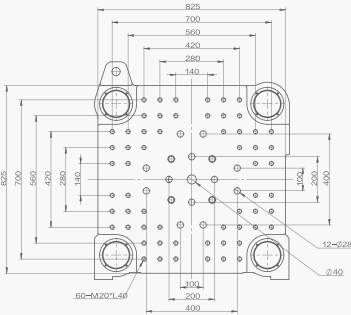


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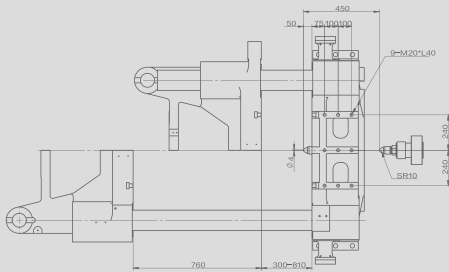
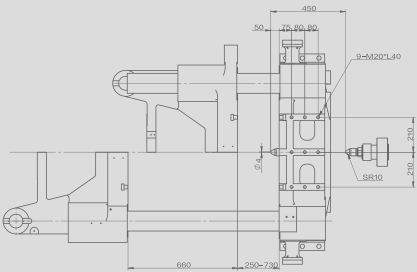
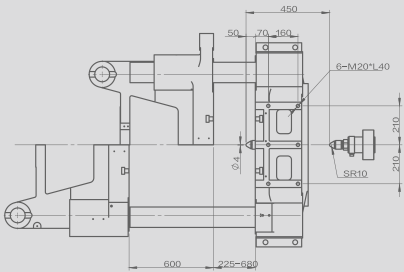
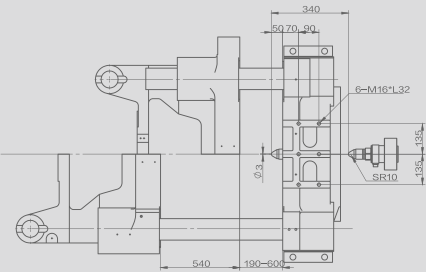
Product Parameters

INJECTION UNIT	UNITS	TS260			TS330			TS400			TS470		
		IU1060			IU1700			IU2200			IU3100		
Screw Diameter	mm	50	55	60	60	65	70	65	70	75	75	80	85
Screw L/D Ratio	L/D	22.0	20.0	18.3	21.7	20.0	18.6	21.5	20.0	18.7	21.3	20.0	18.8
Screw Stroke	mm	240	240	240	280	280	280	320	320	320	360	360	360
Shot Volume	cm³	471	570	679	792	929	1078	1062	1232	1414	1590	1810	2043
Shot Weight(ps)	g	429	519	618	720	846	981	966	1121	1286	1447	1647	1859
	oz	15.1	18.3	21.7	25.4	29.8	34.5	34.0	39.4	45.3	50.9	58.0	65.4
Injection Pressure	kgf/cm²	2257	1865	1567	2188	1864	1607	2085	1798	1566	1984	1744	1545
Injection Rate	cm³/s	236	285	339	331	388	450	332	385	442	442	503	567
Injection Rate	g/s	214	259	309	301	353	410	302	350	402	402	457	516
Injection Speed	mm/s	120	120	120	117	117	117	100	100	100	100	100	100
Screw Speed	rpm		200			200			170			170	
Nozzle Contact Force	t		6.2			9.1			9.1			9.1	
Nozzle Stroke	mm		340			450			450			450	
CLAMPING UNIT	UNITS	TS260			TS330			TS400			TS470		
Clamping Force	t	260			330			400			470		
Opening Stroke	mm	540			600			660			760		
Platen size(H×V)	mm	825 x 825			930 x 930			1020 x 1020			1140 x 1140		
Space Between Tie Bars(H×V)	mm	570 x 570			670 x 670			710 x 710			810 x 810		
Mould Thickness (Min)	mm	190			225			250			300		
Mould Thickness (Max)	mm	600			680			730			810		
Max. Daylight	mm	1140			1280			1390			1570		
Ejector Force	t	6.7			6.7			11.0			11.0		
Ejector Stroke	mm	160			160			220			220		
Locating Ring	mm	125			125			160			160		
POWER/HEATING UNIT	UNITS	TS260			TS330			TS400			TS470		
System Pressure	kgf/cm²	175			175			175			175		
Pump Power	kw	34 / 26			45 / 34			45 / 45			52 / 52		
Heating Power	kw	17.3			21.3			23.4			31.6		
Number of Temp Control Zones		3+1			4+1			5+1			5+1		
OTHERS	UNITS	TS260			TS330			TS400			TS470		
Machine Dimensions(LxWxH)	m	6.17 x 1.61 x 2.19			7.15 x 1.86 x 2.27			7.76 x 1.93 x 2.19			8.44 x 1.93 x 2.25		
Oil Tank Capacity	L	300			360			420			550		
Machine Weight	t	7.3			10.6			14			16.8		

Platen dimensions



Platen dimensions

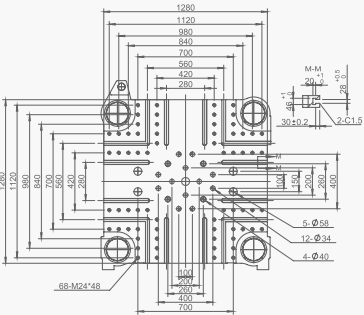
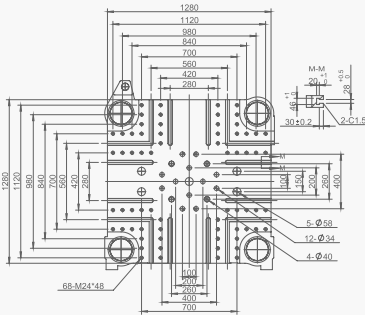
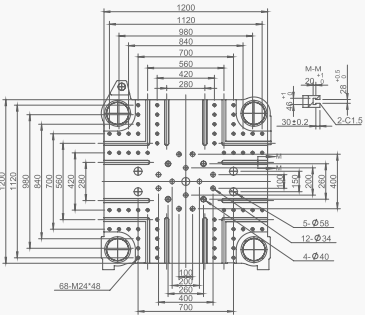
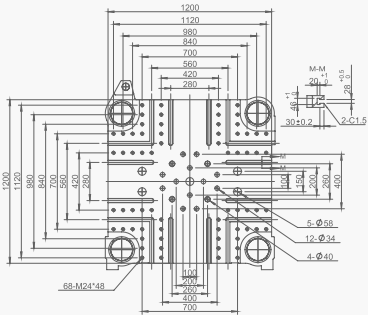


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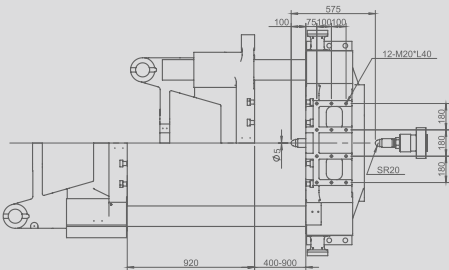
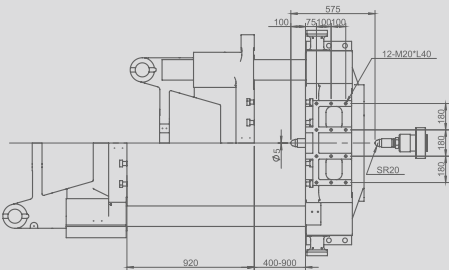
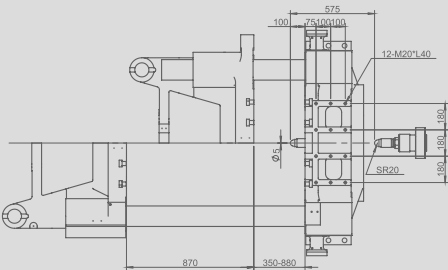
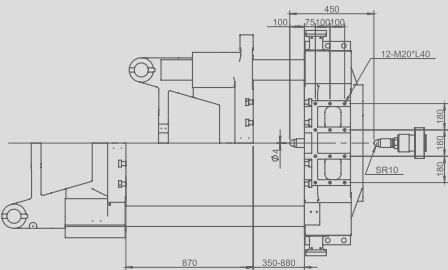
Product Parameters

INJECTION UNIT	UNITS	TS560			TS560			TS650			TS650		
		IU3100			IU4200			IU4200			IU5000		
Screw Diameter	mm	75	80	85	80	85	90	80	85	90	85	90	100
Screw L/D Ratio	L/D	21.3	20.0	18.8	23.4	22.0	20.8	23.4	22.0	20.8	23.3	22.0	19.8
Screw Stroke	mm	360	360	360	425	425	425	425	425	425	450	450	450
Shot Volume	cm³	1590	1810	2043	2136	2412	2704	2136	2412	2704	2554	2863	3534
Shot Weight(ps)	g	1447	1647	1859	1944	2195	2460	1944	2195	2460	2324	2605	3216
	oz	50.9	58.0	65.4	68.4	77.3	86.6	68.4	77.3	86.6	81.8	91.7	113.2
Injection Pressure	kgf/cm²	1984	1744	1545	1985	1758	1568	1985	1758	1568	1976	1763	1428
Injection Rate	cm³/s	442	503	567	467	528	592	467	528	592	528	592	730
Injection Rate	g/s	402	457	516	425	480	538	425	480	538	480	538	665
Injection Speed	mm/s	100	100	100	93	93	93	93	93	93	93	93	93
Screw Speed	rpm		170			170			170			170	
Nozzle Contact Force	t		9.1			9.8			9.8			9.8	
Nozzle Stroke	mm		450			575			575			575	
CLAMPING UNIT	UNITS	TS560			TS560			TS650			TS650		
Clamping Force	t		560			560			650			650	
Opening Stroke	mm		870			870			920			920	
Platen size(H×V)	mm		1200x1200			1200x1200			1280x1280			1280x1280	
Space Between Tie Bars(H×V)	mm		860x860			860x860			920x920			920x920	
Mould Thickness (Min)	mm		350			350			400			400	
Mould Thickness (Max)	mm		880			880			900			900	
Max. Daylight	mm		1750			1750			1820			1820	
Ejector Force	t		16.6			16.6			18.2			18.2	
Ejector Stroke	mm		240			240			265			265	
Locating Ring	mm		160			160			160			160	
POWER/HEATING UNIT	UNITS	TS560			TS560			TS650			TS650		
System Pressure	kgf/cm²		175			175			175			175	
Pump Power	kw		52			61			61			67	
Heating Power	kw		31.6			43.4			43.4			50	
Number of Temp Control Zones			5+1			5+1			5+1			6+1	
OTHERS	UNITS	TS560			TS560			TS650			TS650		
Machine Dimensions(LxWxH)	m		9.19*2.03*2.1			9.19*2.03*2.1			9.34×2.03×2.37			9.46×2.03×2.37	
Oil Tank Capacity	L		700			700			740			740	
Machine Weight	t		19.5			20			22.5			23	

Platen dimensions

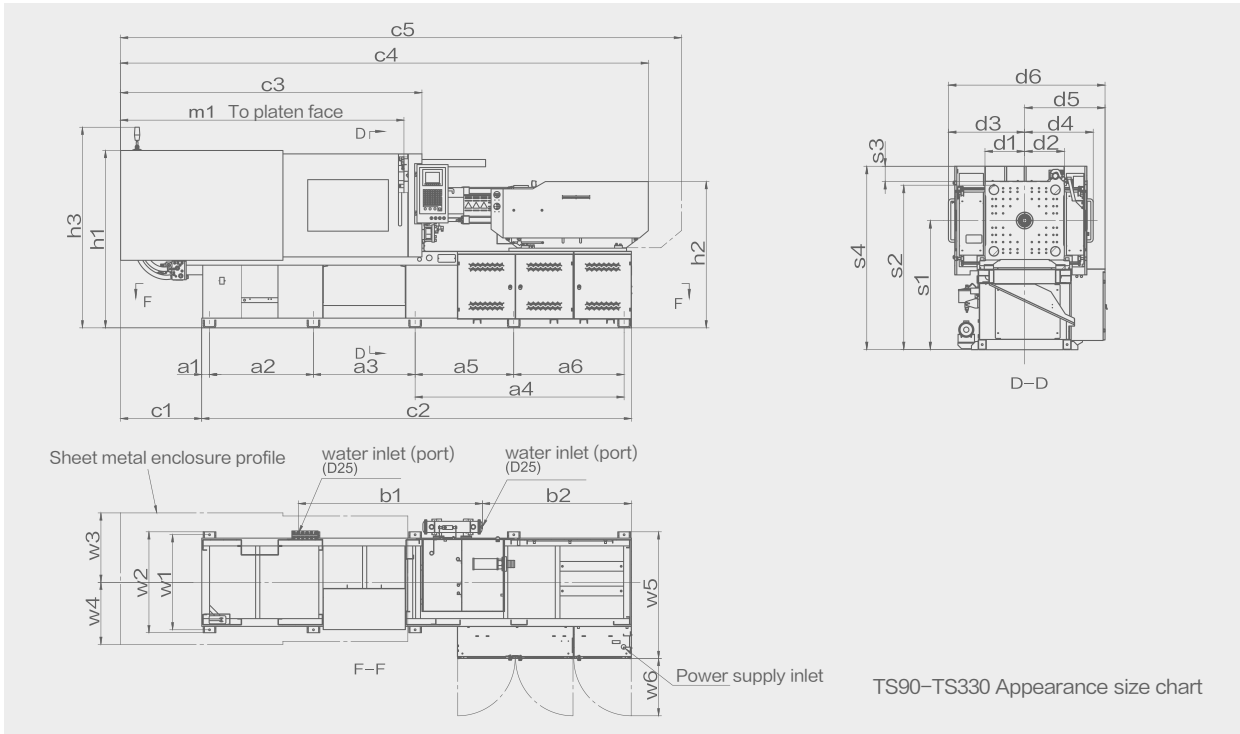


Platen dimensions



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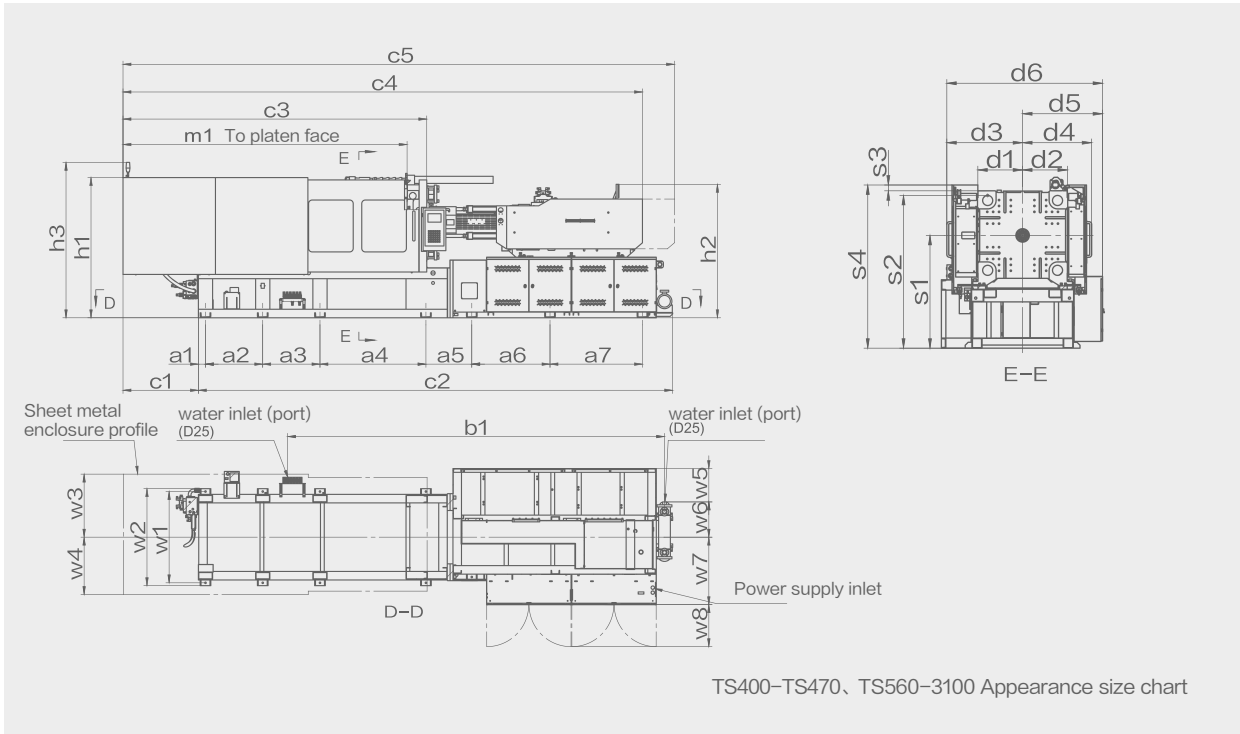
Product Specification



Appearance size

Model	TS90	TS130	TS170	TS220	TS260	TS330
a1	80	80	80	80	80	105
a2	791	791	891	1069	1145	1460
a3	784	884	1013	1046	1140	1150
a4	1910	1940	2020	—	—	—
a5	—	—	—	1015	1075	1525
a6	—	—	—	1135	1135	1310
b1	1603	1764	1836	1894	2037	2520
b2	1343	1312	1459	1532	1553	1750
c1	674	714	782	835	945	1012
c2	3640	3770	4094	4420	4650	5645
c3	2375	2513	2805	3100	3392	3738
c4	4196	4428	4900	5429	5826	6704
c5	4456	4688	5180	5769	6166	7154
d1	272	307	342	387	430	502
d2	272	307	342	387	430	502
d3	586.5	611.5	651.5	743.5	783	865
d4	541.5	576.5	616.5	668.5	708	812
d5	655	690	730	784	824	990
d6	1241.5	1301.5	1381.5	1527.5	1607	1860

Due to the continuous development of technology, improvement and update of design, the above specifications are subject to change without prior notice.

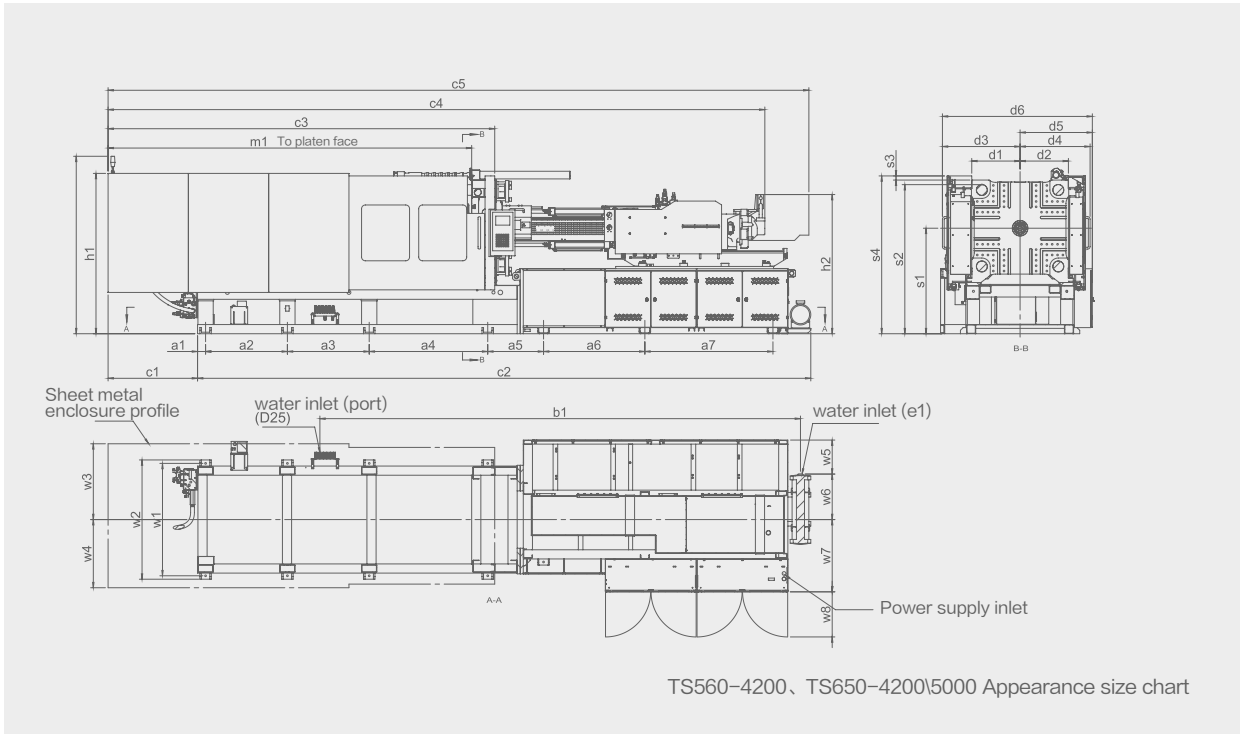


Appearance size

Model	TS400	TS470	TS560-3100
a1	100	105	105
a2	805	890	1070
a3	805	890	1070
a4	1490	1550	1550
a5	645	730	730
a6	1100	1100	1325
a7	1300	1300	1675
b1	5300	5500	6300
c1	1060	1140	1170
c2	6670	6990	8020
c3	4271.5	4666.5	5057
c4	7305	7987	8372
c5	7755	8437	8822
d1	532	592	632
d2	532	592	632
d3	900.5	980	1016
d4	820.5	880	916
d5	950	950	945
d6	1932	1932	1985

Model	TS400	TS470	TS560-3100
h1	1972	2027	2097
h2	1877.5	1877.5	1918
h3	2186	2251	2321
w1	1284	1410	1470
w2	1364	1490	1560
w3	886.5	966.5	992
w4	806.5	866.5	892
w5	469.5	463	445
w6	495.5	501	595
w7	950	950	945
w8	590	590	590
s1	1340	1340	1380
s2	1815	1875	1950
s3	69	64	54
s4	1939	1994	2064
m1	3995	4370	4755

Product Specification



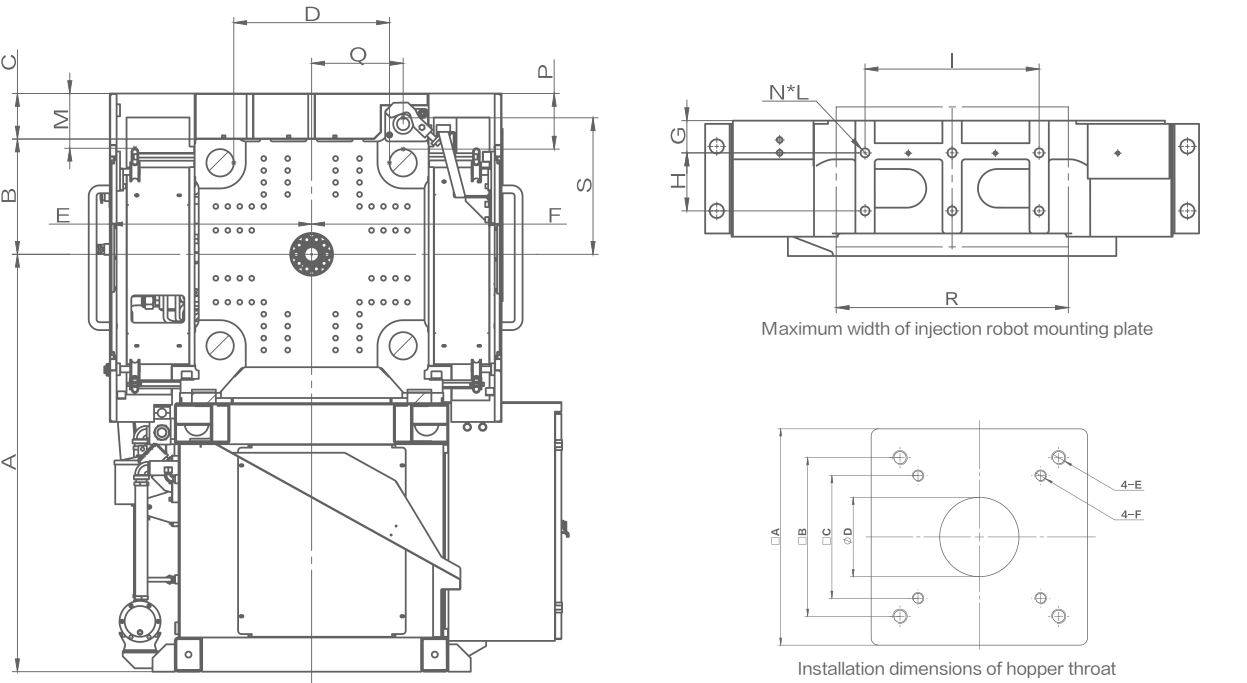
Appearance size

Model	TS560 -4200	TS650 -4200	TS650 -5000
a1	105	105	105
a2	1070	1145	1145
a3	1070	1145	1145
a4	1550	1545	1545
a5	730	745	745
a6	1325	1465	1465
a7	1675	1640	1640
b1	6300	6580	6580
c1	1170	1170	1170
c2	8020	8170	8170
c3	5057	5187	5187
c4	8589	8725	8882
c5	9164	9300	9457
d1	632	672	672
d2	632	672	672
d3	1016	1058	1058
d4	916	958	958
d5	945	985	985
d6	1985	2065	2065

Model	TS560 -4200	TS650 -4200	TS650 -5000
e1	25	38	38
h1	2097	2147	2147
h2	1820	1820	1820
h3	2321	2371	2371
w1	1470	1550	1550
w2	1560	1640	1640
w3	992	1042	1042
w4	892	942	942
w5	445	445	445
w6	595	595	595
w7	945	985	985
w8	590	590	590
s1	1380	1380	1380
s2	1950	1990	1990
s3	54	64	64
s4	2064	2114	2114
m1	4755	4890	4890

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Installation Dimensions



Robot assemble connecting size (Size A, Without Level Pad)

Model	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
A	1160	1180	1220	1260	1320	1340	1340	1340	1380	1380
B	272	302	337	382	422	495	530	590	630	670
C	133	133	133	148	164.5	162	69	64	54	64
D	360	410	455	510	570	670	710	810	860	920
E	525	550	590	682	722	804	839	908	991	1033
F	480	515	555	607	646	751	759	908	891	933
G	50	50	50	50	70	70	75	75	75	75
H	70	90	90	90	90	160	80+80	100+100	100+100	100+100
I	270	270	270	270	270	420	420	480	180+180+180	180+180+180
L	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20
M	160	160	160	195	196.5	222	127	127	117	117
N	6	6	6	6	6	6	9	9	12	12
P	165	160	162.5	185	206.5	212	124	124	114	124
Q	200	240	267.5	300	332.5	380	390	440	470	505
R	300	320	360	440	480	550	600	700	690	750
S	338	368	399	459.5	499	588.5	633.5	688.5	695	730

Installation size of injection molding machine filling port

Model	TS90 TS90/G	TS130 TS130/G	TS170 TS170/G	TS220 TS220/G	TS260 TS260/G	TS330 TS330/G	TS400 TS400/G	TS470 TS470/G	TS560 3100	TS560 4200	TS650 4200/5000
A	150	150	150	150	150	160	160	160	160	180	180
B	110	110	110	110	110	110	110	110	110	140	140
C	85	85	85	85	85	—	—	—	—	110	110
D	55	55	55	55	55	75	75	75	75	105	105
E	M10	M10	M10	M10	M10	M10	M10	M10	M10	M12	M12
F	M8	M8	M8	M8	M8	—	—	—	—	M10	M10

Configuration Table of Standard Series

Mold Clamping	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
Increase mold capacity by 50/100/150mm	○	○	○	○	○	○	○	○	○	○
Hydraulic gear pump for mold adjust	●	●	●	●	●	●	●	●	●	●
Suspended formwork	○	○	○	○	○	○	○	○	○	○
Grease lubrication (with self-lubricating bearing)	○	○	○	○	○	○	○	○	○	○
Installation of forced reset device for mold	●	●	●	●	●	●	●	●	●	●
Installation of heat insulation board for mold	○	○	○	○	○	○	○	○	○	○
Bow-shaped mold clamp	●	●	●	●	●	●	●	●	●	●
Installation of mechanical safety lock	●	●	●	●	●	●	●	●	●	●
Installation of steel belt for mold locking guide rail	●	●	●	●	●	●	●	●	●	●
Magnetic template	○	○	○	○	○	○	○	○	○	○
Add T-groove + code mould hole for the template	○	○	○	○	○	●	●	●	●	●
T-groove added for formwork	○	○	○	○	○	○	○	○	○	○
Finished slide	●	●	●	●	●	○	○	○	○	○

Glue Injection	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
Lengthen nozzle by 50/100/150/200mm	○	○	○	○	○	○	○	○	○	○
Injection nozzle assembly of filter screen	○	○	○	○	○	○	○	○	○	○
Self-locking injection nozzle of spring (made in China)	○	○	○	○	○	○	○	○	○	○
Mixing screw with assorted color	○	○	○	○	○	○	○	○	○	○
PMMA plasticizing module	○	○	○	○	○	○	○	○	○	○
PC plasticizing module	○	○	○	○	○	○	○	○	○	○
Flexible PVC plasticizing module	○	○	○	○	○	○	○	○	○	○
Upgrade glue melting motor by a grade	○	○	○	○	○	○	○	○	○	○
Degrade glue injection mechanism by a/two grade	○	○	○	○	○	○	○	○	○	○
Install manual lubrication pump for injection platform	○	○	○	○	○	○	○	○	○	○
Temperature detector in material feeding hole	●	●	●	●	●	●	●	●	●	●
Linear guiders for injection&carriage movement	●	●	●	●	●	●	●	●	●	●
Double-injection shift cylinder	●	●	●	●	●	●	●	●	●	●
Totally enclosed heat insulation cover	●	●	●	●	●	●	●	●	●	●
Installation of air cooling device	○	○	○	○	○	○	○	○	○	○
Nozzle shield	●	●	●	●	●	●	●	●	●	●
Carriage covered with anti-slip steel mat	●	●	●	●	●	●	●	●	●	●
With Hopper	○	○	○	○	○	○	○	○	○	○
Sliding device of hopper with bearing	○	○	○	○	○	○	○	○	○	○
Installation of magnetic frame base (with magnetic frame)	○	○	○	○	○	○	○	○	○	○
Enlarged hopper	○	○	○	○	○	○	○	○	○	○
Embedded probe nozzle	○	○	○	○	○	○	○	○	○	○
Add solenoid water valve for cold water ring	○	○	○	○	○	○	○	○	○	○

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Metal Plate	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
Widened door (100mm on both sides)	○	○	○	○	○	○	○	○	○	○
Reduce the height of safety door	○	○	○	○	○	○	○	○	○	○
Synchronous with electric door	○	○	○	○	○	○	○	○	○	○
Installation of top sliding cover plate in mold clamping area	○	○	○	○	○	○	○	○	○	○
Installation of a set of 6-tube cooling flow meters	○	○	○	○	○	○	○	○	○	○
Water carrier (in and out) with D10 quick connector	○	○	○	○	○	○	○	○	○	○
6 in 6 out Water carrier (in and out) with D12 quick connector	●	●	●	●	●	●	●	●	○	○
8 in 8 out Water carrier (in and out) with D12 quick connector	○	○	○	○	○	○	○	○	●	●

Hydraulic Part	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
Standard 1 set hydraulic core pulling	○	○	○	○	○	○	●	●	●	●
Add a / two/three set of hydraulic core pulling system	○	○	○	○	○	○	○	○	○	○
One / two/three set of hydraulic core pulling system with quick coupling	○	○	○	○	○	○	○	○	○	○
One set of pneumatic core pulling system	○	○	○	○	○	○	○	○	○	○
One/ two/three set of aeration system	○	○	○	○	○	○	○	○	○	○
Hydraulic rotary demoulding (without hydraulic motor)	○	○	○	○	○	○	○	○	○	○
Hydraulic rotary demoulding (with hydraulic motor)	○	○	○	○	○	○	○	○	○	○
Thimble / core pulling system with stacked check valve	○	○	○	○	○	○	○	○	○	○
Hydraulic motor for mold adjustment brake	○	○	○	○	○	○	○	○	○	○
Synchronous thimble for mould opening / glue melting / core pulling	○	○	○	○	○	○	○	○	○	○
With Carriage movement check valve	●	●	●	●	●	●	●	●	●	●
CNC back pressure	○	○	○	○	○	○	○	○	○	○
Hydraulic safety lock	○	○	○	○	○	○	○	○	○	○
Upgrade the oil pump motor by a / two grade	○	○	○	○	○	○	○	○	○	○
Oil temperature preheating function	○	○	○	○	○	○	○	○	○	○
Upgrade oil cooler	○	○	○	○	○	○	○	○	○	○
Installation of cooling water control valve	○	○	○	○	○	○	○	○	○	○
High speed servo opening and closing valve	○	○	○	○	○	○	○	○	○	○
High-speed servo open/close die valve	○	○	○	○	○	○	○	○	○	○
With Carriage movement check valve	●	●	●	●	●	●	●	●	●	●
Installation of high pressure hose explosion-proof chain	●	●	●	●	●	●	●	●	●	●

Remark:Standard "●" Optional "○"

Configuration Table of Standard Series

Electrical Part	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
Electric rotary demoulding (excluding motor)	○	○	○	○	○	○	○	○	○	○
Changing regional voltage	○	○	○	○	○	○	○	○	○	○
Installation of three-color alarm light	●	●	●	●	●	●	●	●	●	●
One set 2+3 220V/10A power socket	●	●	●	●	●	●	●	●	●	●
2 sets 2P 32A power socket	●	●	●	●	●	●	●	●	●	●
Adding power outlets	○	○	○	○	○	○	○	○	○	○
Equip ceramic heating ring	○	○	○	○	○	○	○	○	○	○
Add mould for return confirmation	●	●	●	●	●	●	●	●	●	●
Independent nozzle control	●	●	●	●	●	●	●	●	●	●
Emergency stop button of rear door	●	●	●	●	●	●	●	●	●	●
Speed test device for glue melting	●	●	●	●	●	●	●	●	●	●
Oil level alarm	○	○	○	○	○	○	○	○	○	○
Super high oil temperature alarm	●	●	●	●	●	●	●	●	●	●
Installation of watt hour meter	○	○	○	○	○	○	○	○	○	○
Solid state relay for heating	●	●	●	●	●	●	●	●	●	●
Hot runner interface (connected to computer)	○	○	○	○	○	○	○	○	○	○
Interface of gas assisted injection device	○	○	○	○	○	○	○	○	○	○
Add two sets of mould for temperature control	○	○	○	○	○	○	○	○	○	○
Clamping force detection and display	○	○	○	○	○	○	○	○	○	○
Sequential glue injection interface	○	○	○	○	○	○	○	○	○	○
Sequential injection (with sequence valve)	○	○	○	○	○	○	○	○	○	○
European standard 67	○	○	○	○	○	○	○	○	○	○
European standard 12	○	○	○	○	○	○	○	○	○	○

Other Part	TS90	TS130	TS170	TS220	TS260	TS330	TS400	TS470	TS560 3100/4200	TS650 4200/5000
Pattern plate on the surface of shooting table	●	●	●	●	●	●	●	●	●	●
Change metal plate color (color other than A/A2)	○	○	○	○	○	○	○	○	○	○

Remark:Standard “●” Optional “○”
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After-Sale Service



Fast Response

Quickly respond to customer needs, collect customer site information and record the failure, give reasonable maintenance Suggestions;



Fast Arrival

Quickly arrive at customer site for equipment maintenance;



Fast Processing

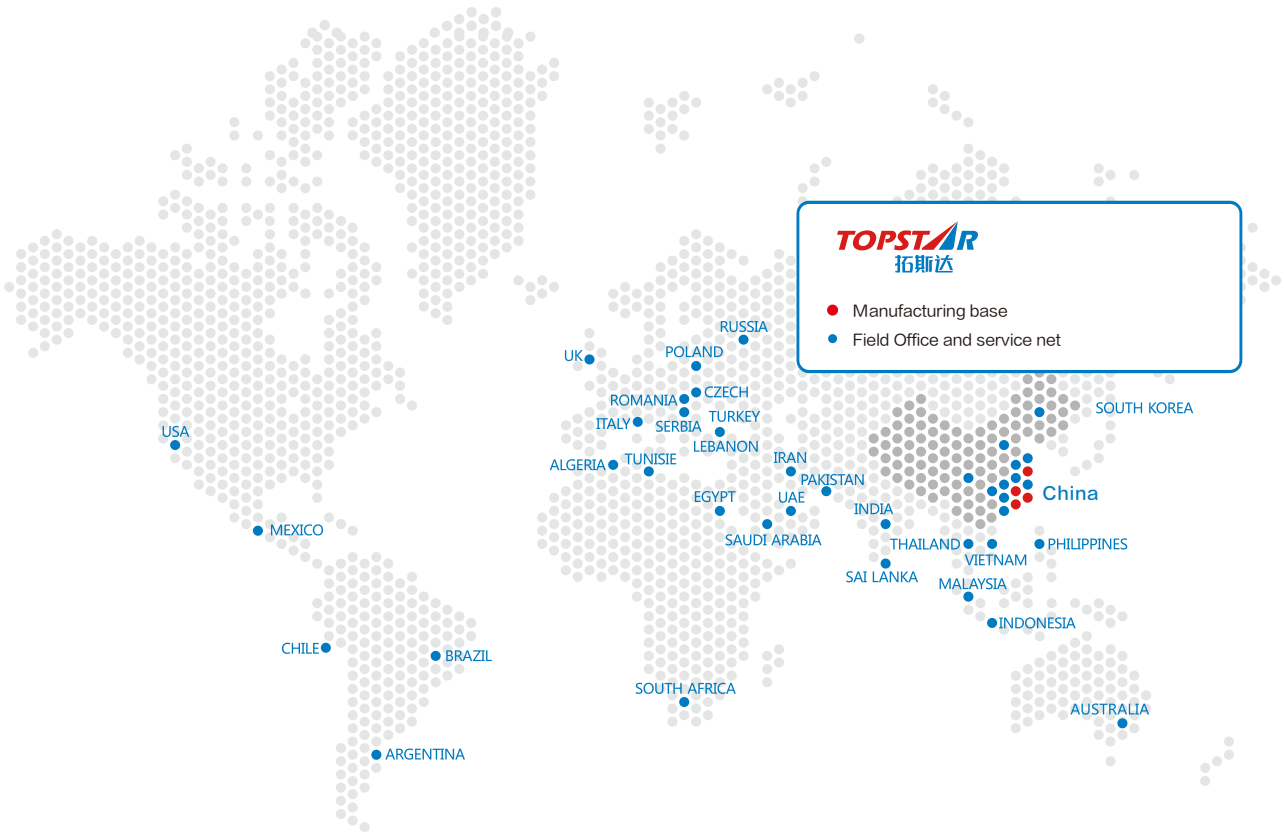
Quickly processing to help customers adjust the equipment to the best state in the first time;



Fast Acceptance

Quickly complete the service project acceptance.

Global Service Net



Sincerely Appreciate

Over 15000 customer have witnessed TOPSTAR growth and long supports

