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TOPSTAR
拓斯达

让工业制造更美好
Making Industrial Manufacturing Better

TE系列注塑机

TE SERIES INJECTION MOLDING MACHINE

机械的种类：带驱伺服电驱动

Type: Belt drive servo electric driven

股票代码 Stock Code

300607



CONTENTS

目录

01 公司介绍

About Us

公司简介	03-04
Company profile	
企业文化	05-05
Company Culture	
资质评定	06-06
Qualification evaluation	
发展历程	07-08
Development History	

02 产品介绍

Product Introduction

产品介绍	12-12
Product Introduction	
应用行业	12-12
Application industries	
产品配件	13-13
Product accessories	
产品特点	14-14
Product Features	
TE80	15-16
TE80	
TE130	17-18
TE130	
TE180	19-20
TE180	
TE230	21-22
TE230	
标准系列配置表	23-24
Configuration table of Standard Series	

03 客户服务

Chapter of Service

售后服务	27-27
After-Sale Service	
全球服务网点	28-28
Global Service Net	

01

About Us

公司介绍

公司简介、企业文化、资质评定、发展历程
Company profile、history、qualification、corporate culture



Company profile

公司简介

广东拓斯达科技股份有限公司（简称：拓斯达，股票代码：300607）是首家登陆创业板的广东省机器人骨干企业。公司成立于2007年，总部位于广东省东莞市大岭山镇，注册资本4.26亿元。

拓斯达坚持“让工业制造更美好”的企业使命，通过以工业机器人、CNC、注塑机为核心的智能装备，以及控制、伺服、视觉三大核心技术，打造以核心技术驱动的智能硬件平台，为制造企业提供智能工厂整体解决方案。截至2021年6月，公司已在全国设有近50家办事处，触达客户超20万家，服务客户超15000家。

拓斯达是国家高新技术企业，建有广东省3C智能机器人与柔性制造企业重点实验室、广东省工业机器人与智能装备驱动一体化系统及应用技术工程技术研究中心、广东省企业技术中心、广东省博士工作站。公司2018年荣获“东莞市政府质量奖”，2019年纳税首次破亿，并荣获“2019年度东莞市效益贡献奖”，“2019年度东莞市规模效益成长性排名前20名工业企业”，2020年荣获“东莞市先进集体”等荣誉。

截至2021年6月，拓斯达拥有授权专利464项，其中发明专利26项；各类软件著作权69项。公司多项产品荣获广东名牌产品、广东高新技术产品，并通过欧洲CE认证。

Guangdong Topstar Technology Co., Ltd. (abbr. Topstar, stock code: 300607) is the first GEM listed core robot enterprise in Guangdong Province. The company was founded in 2007 and is headquartered in Dalingshan Town, Dongguan City, Guangdong Province, with a registered capital of 426 million yuan.

Topstar adheres to the corporate mission of "making industrial manufacturing better", through intelligent equipment with industrial robots, CNC and injection molding machines as the core, as well as controllers, servo drives, and vision system as three core technologies create an intelligent hardware platform driven by core technologies, and provide manufacturing enterprises with turnkey solutions for smart factories. As of June 2021, the company has set up close to 50 offices across the country, reaching more than 200,000 customers and serving more than 15,000 customers.



15000+
服务企业客户



自主研发
能力强



社会
认可度高



坚持
“让工业制造更美好”

Topstar is a national high-tech enterprise. It has established the Guangdong Key Laboratory of 3C Intelligent Robots and Flexible Manufacturing Enterprises, Guangdong Engineering Technology Research Center for Industrial Robots and Intelligent Equipment Driving and Control Integrated System and Application Technology, Guangdong Enterprise Technology Center, Doctoral Workstation of Guangdong Province. In 2018, Topstar won the "Dongguan Municipal Government Quality Award". In 2019, the tax payment exceeded 100 million for the first time, and awarded "2019 Dongguan City Benefit Contribution Award" and "2019 Dongguan City Scale Efficiency Growth Ranking Top 20 Industrial Enterprises". In 2020, Topstar won the "Dongguan Advanced Collective" and other honors.

As of June 2021, the company has 464 authorized patents, including 26 invention patents; 69 software copyrights. Many of the company's products have been awarded Guangdong Famous Brand Products, Guangdong High-tech Products, and have passed CE certificate.

Company Culture

企业文化

企业使命

Enterprise Mission

让工业制造更美好!
Make Industrial Manufacturing Better!

企业定位

Enterprise Positioning

专注建立工业机器人、自动化解决方案
生态圈的全球智能制造综合服务平台。
Global intelligent manufacturing service platform,
focus on industrial robots and automation solutions.

企业愿景

Enterprise Vision

助力100万制造企业实现智能制造;助力100万工程师服务于智能制造。
To help millions of manufacturing enterprises to realize intelligent manufacture;
To help millions of engineers serving the intelligent manufacture.

核心价值观

CoreValues

全心全意为客户服务!
群体奋斗群体成功!
Wholeheartedly for Customer Service!
Together We Strive,Together We Achieve !

组织气质

Team Spirit

开放协同, 因我不同。
Cooperate but respect personality

拓斯达不是雇佣和解雇型企业, 而是打造创业型平台, 集众人之力, 实现凭一己之力所无法达成目的的平台, 其核心精神是"分享"。——《拓斯达宣言》
TOPSTAR is not a hiring or dismissal enterprise, but aim to create a business platform, which setting the power of everyone to achieve the goal which can not be achieved by their own. Its core spirit is "share".



Qualification evaluation

资质评定

拓斯达坚持技术为王的经营理念, 先后取得了各项高新技术企业的资质和认证, 为客户提供先进和高端的产品。

Topstar adheres to the bussiness philosophy,which puts technology in the dominant position. It has successively obtained many qualifications and certifications of high-tech enterprises, and provided the most advan and high-end product to customers.

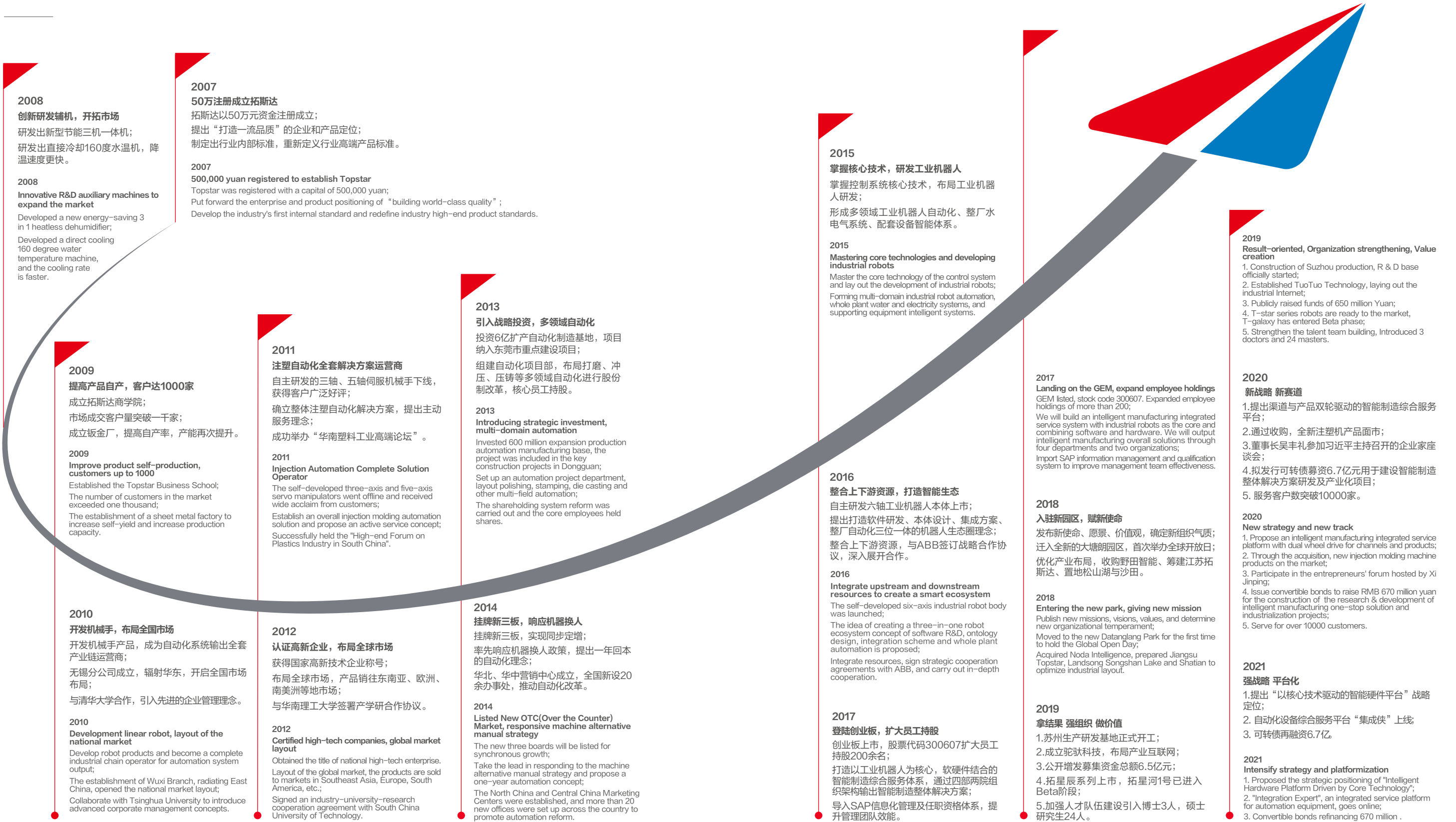
国家级高新技术企业认证、欧盟CE认证、ISO9001质量体系认证、广东省名牌机器人、广东省“守合同重信用”企业、粤港澳大湾区联合创新中心创新基地、累计产品技术专利258项、广东省级企业技术中心、华南理工大学产学研合作基地、校企合作实践基地....

National high-tech enterprise certification、CE Certification、ISO9001 Quality System Certification、Guangdong Province Top Brand Robot、Guangdong Province "contracts observing and credit honoring" enterprises、Guangdong-Hong Kong-Macao Greater Bay Area Joint Innovation Center、258 technology patenes for products、Guangdong province enterprise technology center、South China University of technology production and research cooperation base、School-enterprise cooperation practice base....



Development History

发展历程



02

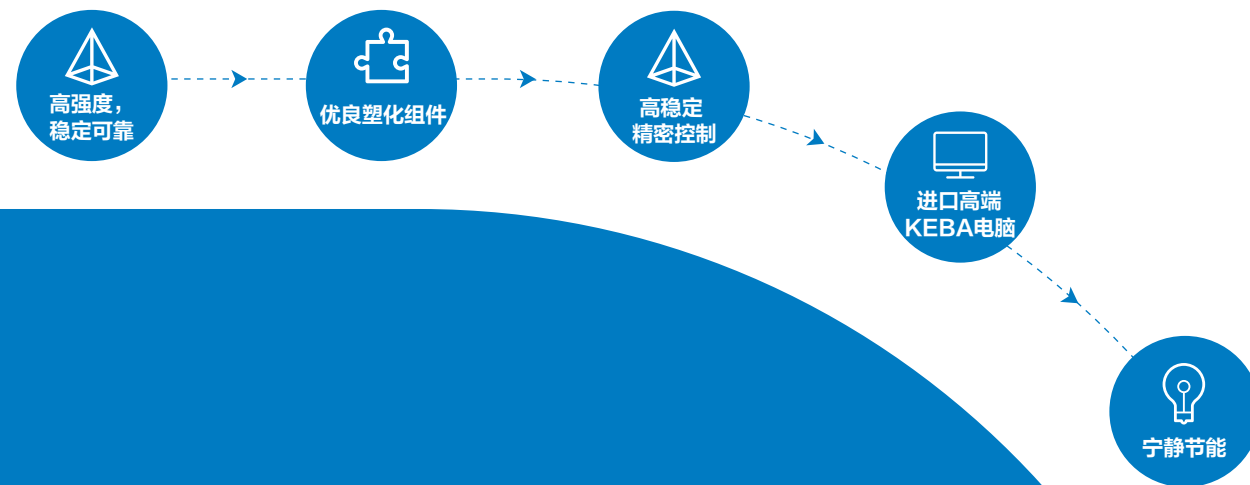
TE系列产品介绍
Introduction of TE series products

产品介绍、应用行业、产品配件、产品特点
TE80、TE130、TE180、TE230、标准系列配置表

Product Introduction、Application industries、Product accessories、Product Features
TE80、TE130、TE180、TE230、Configuration table of Standard Series

TE series products

TE系列产品



Product Introduction

产品介绍

注塑机具有能一次成型外型复杂、尺寸精确或带有金属嵌件的质地密致的塑料制品的能力。

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

产品特点

Product Features



Application industries

应用行业

电子类 electronics



容器类 containers



3C家电 3C home appliances



化妆品 cosmetics



汽配行业 auto parts



快消类 FMCG



Product Accessories

产品配件

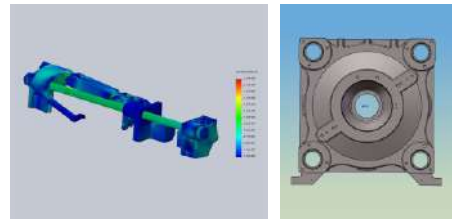
TE通用型精密伺服注塑机 80T-230T
TE general-purpose precision servo-driven injection molding machine 80T-230T



先进的丝杠设计，搭配欧洲专业控制器，使得机器动作稳定、制品良率高、响应速度快、控制精准、操作简单，满足多种工艺需求。
Advanced Ball screws design with European 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.



采用斜排双射移油缸及线性导轨，射胶更加精准稳定。
Diagonal double injection mold shift oil cylinder and linear guide, more accurate and stable injection.



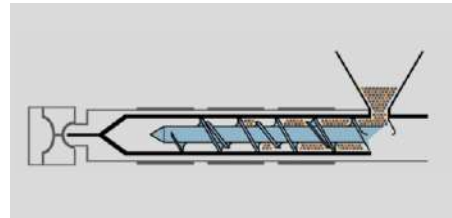
模板优化升级，结构可靠，变形小，能有效保护设备，提高模具使用寿命。
Optimized and upgraded platen, with reliable structure and small deformation, can effectively protect the equipment and improve the service life of mold.



注重客户实际体验，包括工业设计、人机交互等细节优化。
Focus on the actual customer experience, including industrial design, human-machine interaction and other details optimization.



标准螺杆：高性能氮化钢，耐用高效，应用广。
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.



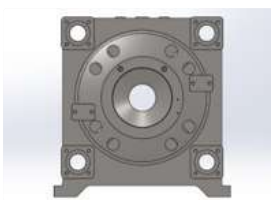
专业的塑化组件搭配，满足不同材料的塑化要求及混色性能。
Professional matching of plasticizing components to meet the plasticizing requirements and color mixing performance of different materials.

Product Features

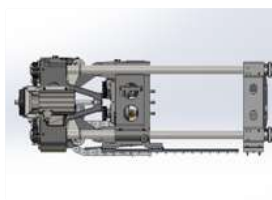
产品特点



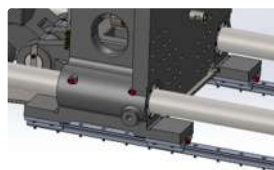
高速响应的伺服电机和高扭矩的滚珠丝杠，保证了机器的国际领先性，开合模控制更精准；
High speed response servo motor and high torque ball screw ensure the machine's international leading, more accurate mode control;



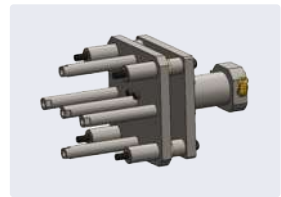
优化的超强模板，受力均衡，适用绝大多数产品；
Optimized super strong platen with balanced force, applicable to most products;



全新斜排机铰布局，可实现超长行程开模，开模位置精度≤0.02 mm，模板运动快且稳；
Brand new diagonal hinge layout, which can realize ultra-long stroke mold opening, mold opening Precision of opening position ≤0.02mm, fast and stable platen movement;



采用双导轨设计，提高模具承载能力；提升模板平行度和定位精度；
Adopt double guide rail design, improve the bearing capacity of the mold; Enhance the parallelism and positioning accuracy of the template;



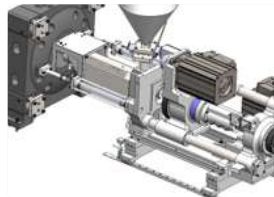
采用欧标顶针，顶针操作空间大；
European standard ejector pin, with large operation space;



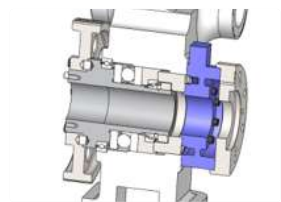
选配T型槽+螺丝固定模板加嵌入式定位圈，装模便捷，组装方便；
Optional T groove + screw fixed template and embedded positioning ring, easy to install mold, easy to assemble;



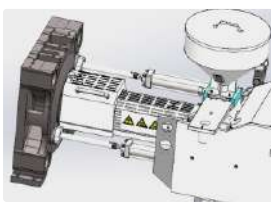
合模伺服电机皮带连接驱动滚珠丝杠；灵活度高，维护简单；
Mold closing servo motor belt connected to drive ball screw; High flexibility, simple maintenance;



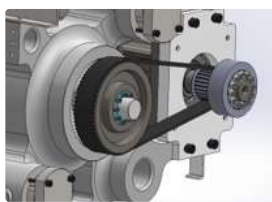
双射移搭配线性导轨，射胶运动阻力小，动作灵敏，射胶精准稳定；
Double injection shift with linear guide, low resistance of injection unit movement, sensitive action, accurate and stable injection;



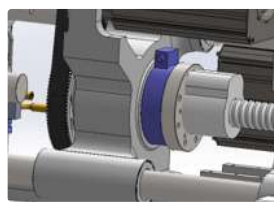
射胶传动轴采用三轴承设计，保证同轴度，螺杆料筒磨损小；
Three bearing design for the injection drive shaft to ensure coaxiality and small wear of the screw barrel;



全新射台，整体框架式底座，护罩设计美观，安全稳定；
New injection unit, overall frame type base, beautiful design of shield, safe and stable;



全伺服系统设计，高效稳定，运行平稳且噪音小、易于维护；
Full servo system design, high efficiency and stability, smooth operation and low noise, easy maintenance;



采用高精度压力传感器，具有优越的压力闭环回路运算控制；
Adopt high precision pressure sensor, with superior pressure closed-loop operation control;



采用高端进口注塑机专业电脑控制器。
High-end injection molding machine professional computer controller.

TE80

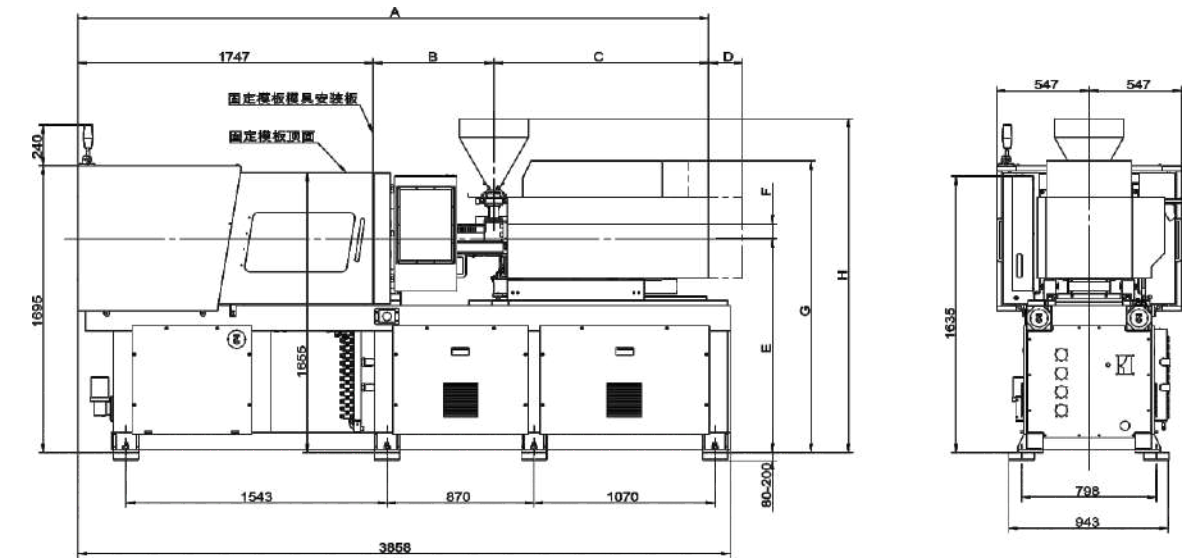
产品参数 Product Parameters

项目 Project		单位 Unit	TE80 L100/H100/L150/H150/L200/H200								
合模单元 Clamping Unit											
锁模方式	Clamping Style		双曲肘式（5点） Hyperbolic Elbow (5 points)								
锁模力	Clamping Force	ton	80								
开锁模行程	Opening/Clamping Stroke	mm	300								
最大模板间距	Max Platen Distance	mm	710								
最小\最大模厚	Die Height(Min/Max)	mm	160-410								
拉杆内距(宽×高)	Space Between Tie Bars	mm	410×410								
模板尺寸(宽×高)	Platen Dimension	mm	580×580								
顶针顶出力	Ejecting Force	ton	2.4								
顶针行程	Ejector Stroke	mm	80								
顶出点	Ejector Stroke	unit	5								
螺杆驱动方式	Screw Driving Mode	-	电动带驱式 Electric belt drive			电动带驱式 Electric belt drive			电动带驱式 Electric belt drive		
螺杆直径	Screw Diameter	mm	22	25	28	25	28	32	28	32	36
螺杆长径比	Screw L:D	-	20	20	20	20	20	20	20	20	20
最大注射容量	Max injection Volume	cm3	51	66	83	66	83	109	92	113	153
最大注射重量（PS）	Max Weight	g	46	60	75	60	75	98	83	102	138
螺杆转速	Screw Rotate Speed	r.p.m	330			330			330		
塑化能力	Plasticizing Capacity	g/s	4.9	7.1	10.0	7.1	10.0	15.0	10.0	15.0	21.3
螺杆行程	Screw Stroke	mm	135			135			150		
射台推力	Nozzle Contact Force	ton	2.1			2.1			3		
注射单元	Injection Unit	标配	L100			L150			L200		
最高注射速度	Max injection Speed	mm/s	200			200			200		
注射速率	Injection Rate	cc/sec	69	89	112	89	112	146	112	146	185
最大注射压力	Max Injection Pressure	bar	2640	2030	1630	2650	2120	1620	2600	1990	1570
最大保压力	Max Keeping Pressure	bar	2112	1624	1304	2120	1696	1296	2080	1592	1256
注射单元	Injection Unit	选配	H100			H150			H200		
最高注射速度	Max injection Speed	mm/s	350			350			350		
注射速率	Injection Rate	cc/sec	121	156	196	156	196	256	196	256	324
最大注射压力	Max Injection Pressure	bar	2640	2030	1630	2650	2120	1620	2600	1990	1570
最大保压力	Max Keeping Pressure	bar	2112	1624	1304	2120	1696	1296	2080	1592	1256
其它 General											
总加热功率	Heating Power	kw	3	4.5	6.1	4.5	6.1	8.2	6.1	8.2	10.3
主电源开关容量	Main power switch cspacity	A	60			60			100		
温控段数	Temperature Control Area	-	4			5			5		
机器重量	Machine Weight	ton	3.2			3.2			3.2		
外形（L×W×H）	Machine Dimension	m	3.86×1.09×2.02			3.86×1.09×2.02			3.86×1.09×2.02		

本公司保留修改技术参数的权力，恕不另行通知。
The company reserves the right to modify the technical parameters without prior notice.

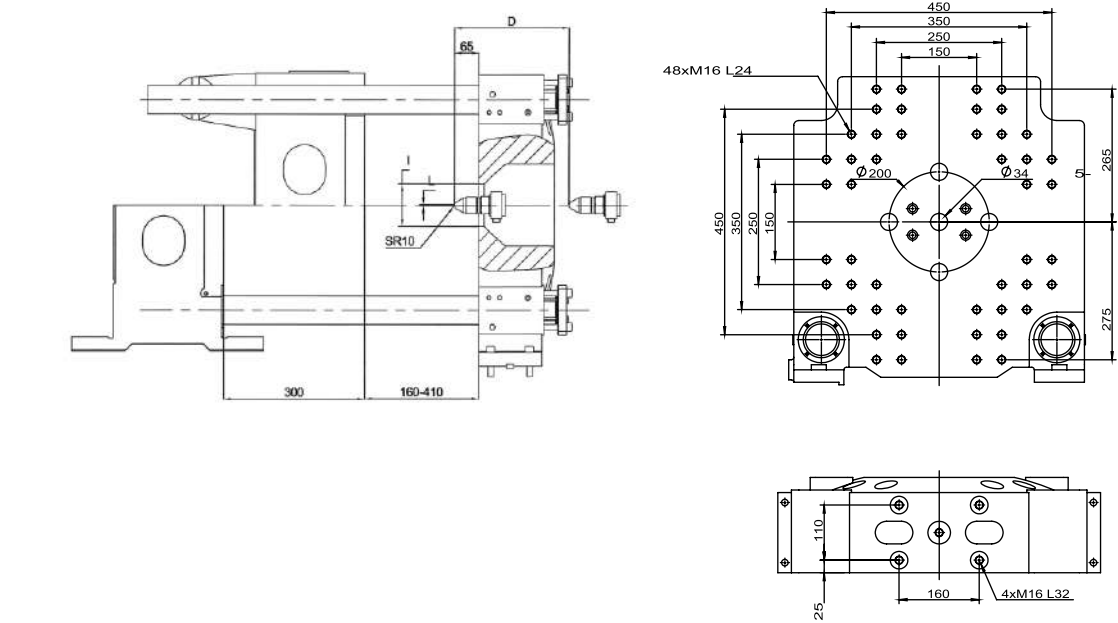
外型尺寸 Overall Dimension

单位/Unit : mm



模板尺寸 Template Size

单位/Unit : mm



A	B	C	D	E	F	G	H	I	J
3730	714	1270	350	1262	88	1724	1972	100	ø3

TE130

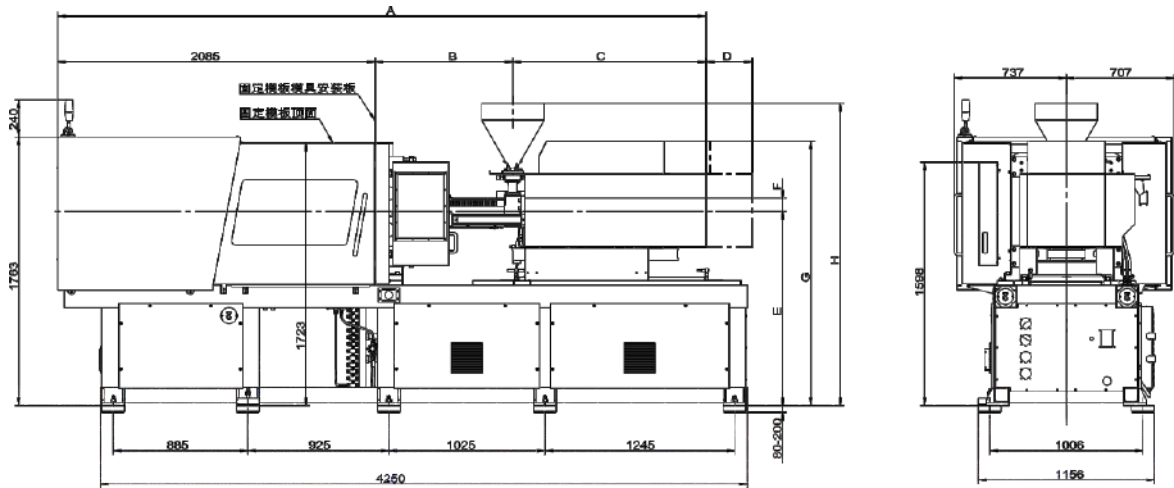
产品参数 Product Parameters

项目 Project		单位 Unit	TE130 L150/H150/L200/H200/L260/H260/L300/H300											
合模单元 Clamping Unit														
锁模方式	Clamping Style		双曲肘式（5点） Hyperbolic Elbow (5 points)											
锁模力	Clamping Force	ton	130											
开锁模行程	Opening/Clamping Stroke	mm	400											
最大模板间距	Max Platen Distance	mm	850											
最小/最大模厚	Die Height(Min/Max)	mm	175-450											
拉杆内距(宽×高)	Space Between Tie Bars	mm	510×510											
模板尺寸(宽×高)	Platen Dimension	mm	720×720											
顶针顶出力	Ejecting Force	ton	3.2											
顶针行程	Ejector Stroke	mm	100											
顶出点	Ejector Stroke	unit	5											
螺杆驱动方式	Screw Driving Mode	-	电动带驱式 Electric belt drive			电动带驱式 Electric belt drive			电动带驱式 Electric belt drive			电动带驱式 Electric belt drive		
螺杆直径	Screw Diameter	mm	25	28	32	28	32	36	32	36	40	36	40	45
螺杆长径比	Screw L:D	-	20	20	20	20	20	20	20	20	20	20	20	20
最大注射容量	Max injection Volume	cm3	66	83	109	92	121	153	137	173	214	203	251	318
最大注射重量（PS）	Max Weight	g	60	75	98	83	109	137	123	156	192	183	226	286
螺杆转速	Screw Rotate Speed	r.p.m	330			330			330			330		
塑化能力	Plasticizing Capacity	g/s	7.1	10.0	15.0	10.0	15.0	21.3	15.0	21.3	29.2	21.3	29.2	41.6
螺杆行程	Screw Stroke	mm	135			150			170			200		
射台推力	Nozzle Contact Force	ton	2.1			3			3			5.6		
注射单元	Injection Unit	标配	L150			L200			L260			L300		
最高注射速度	Max injection Speed	mm/s	200			200			200			200		
注射速率	Injection Rate	cc/sec	89	112	146	112	146	185	146	185	229	185	229	289
最大注射压力	Max Injection Pressure	bar	2650	2120	1620	2600	1990	1570	2490	1970	1590	2460	1990	1570
最大保压力	Max Keeping Pressure	bar	2120	1696	1296	2080	1592	1256	1992	1576	1272	1968	1592	1256
注射单元	Injection Unit	选配	H150			H200			H260			H300		
最高注射速度	Max injection Speed	mm/s	350			350			350			300		
注射速率	Injection Rate	cc/sec	156	196	256	196	256	324	256	324	400	278	343	434
最大注射压力	Max Injection Pressure	bar	2650	2120	1620	2600	1990	1570	2490	1970	1590	2460	1990	1570
最大保压力	Max Keeping Pressure	bar	2120	1696	1296	2080	1592	1256	1992	1576	1272	1968	1592	1256
其它 General														
总加热功率	Heating Power	kw	4.5	6.1	8.2	6.1	8.2	10.3	8.9	10.3	11.0	10.3	11	13.3
主电源开关容量	Main power switch cspacity	A	60			100			100			125		
温控段数	Temperature Control Area	-	5			5			5			5		
机器重量	Machine Weight	ton	5.2			5.2			5.2			5.2		
外形（L×W×H）	Machine Dimension	m	4.53×1.44×2.05			4.53×1.44×2.05			4.53×1.44×2.05			4.53×1.44×2.05		

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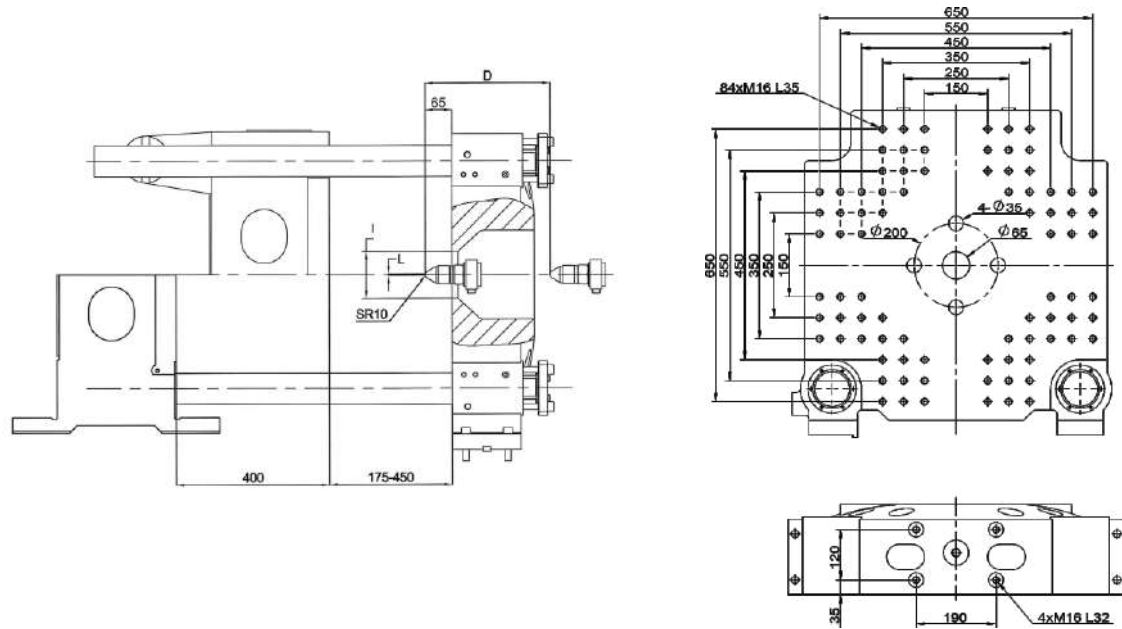
外型尺寸 Overall Dimension

单位/Unit : mm



模板尺寸 Template Size

单位/Unit : mm



A	B	C	D	E	F	G	H	I	J
4255	908	1270	350	1273	88	1735	1983	100	ø3

TE180

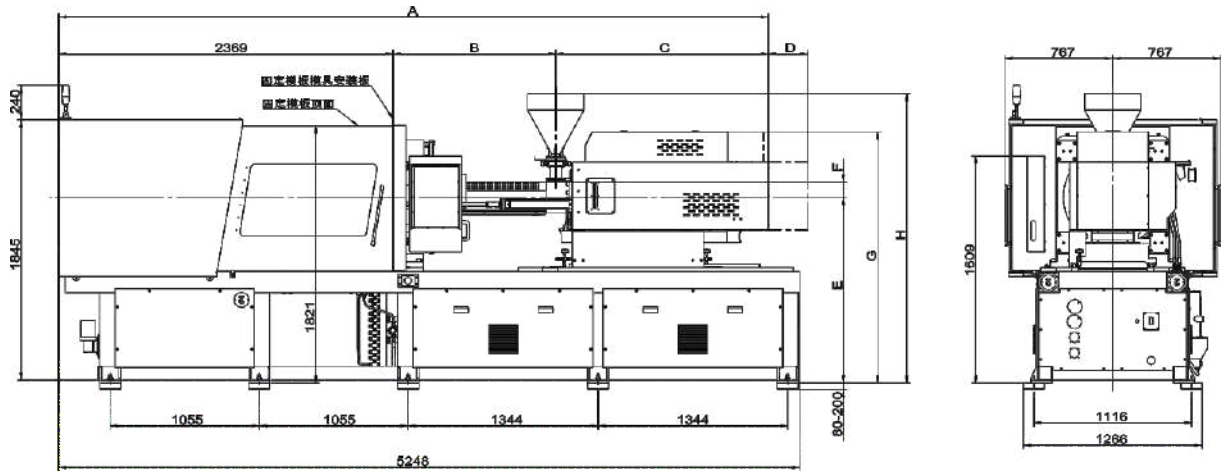
产品参数 Product Parameters

项目 Project		单位 Unit	TE180 L260/H260/L300/H300/L350/H350/L400/H400											
合模单元 Clamping Unit														
锁模方式	Clamping Style		双曲肘式（5点） Hyperbolic Elbow (5 points)											
锁模力	Clamping Force	ton	180											
开锁模行程	Opening/Clamping Stroke	mm	500											
最大模板间距	Max Platen Distance	mm	1000											
最小\最大模厚	Die Height(Min/Max)	mm	200-500											
拉杆内距(宽×高)	Space Between Tie Bars	mm	560×560											
模板尺寸(宽×高)	Platen Dimension	mm	800×800											
顶针顶出力	Ejecting Force	ton	4.5											
顶针行程	Ejector Stroke	mm	120											
顶出点	Ejector Stroke	unit	5											
螺杆驱动方式	Screw Driving Mode	-	电动带驱式 Electric belt drive			电动带驱式 Electric belt drive			电动带驱式 Electric belt drive			电动带驱式 Electric belt drive		
螺杆直径	Screw Diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55
螺杆长径比	Screw L:D	-	20	20	20	20	20	20	20	20	20	20	20	20
最大注射容量	Max injection Volume	cm3	137	173	214	203	251	318	251	318	393	334	412	499
最大注射重量（PS）	Max Weight	g	123	156	192	183	226	286	226	286	353	300	371	449
螺杆转速	Screw Rotate Speed	r.p.m	330			330			330			330		
塑化能力	Plasticizing Capacity	g/s	15.0	21.3	29.2	21.3	29.2	41.6	29.2	41.6	57.1	41.6	57.1	76.0
螺杆行程	Screw Stroke	mm	170			200			200			210		
射台推力	Nozzle Contact Force	ton	3			5.6			5.6			6.5		
注射单元	Injection Unit	标配	L260			L300			L350			L400		
最高注射速度	Max injection Speed	mm/s	200			200			160			160		
注射速率	Injection Rate	cc/sec	146	185	229	185	229	289	183	231	286	231	286	346
最大注射压力	Max Injection Pressure	bar	2490	1970	1590	2460	1990	1570	2400	1895	1535	2515	2040	1685
最大保压力	Max Keeping Pressure	bar	1992	1576	1272	1968	1592	1256	1920	1516	1228	2012	1632	1348
注射单元	Injection Unit	选配	H260			H300			H350			H400		
最高注射速度	Max injection Speed	mm/s	350			300			250			250		
注射速率	Injection Rate	cc/sec	256	324	400	278	343	434	286	362	446	362	446	540
最大注射压力	Max Injection Pressure	bar	2490	1970	1590	2460	1990	1570	2400	1895	1535	2515	2040	1685
最大保压力	Max Keeping Pressure	bar	1992	1576	1272	1968	1592	1256	1920	1516	1228	2012	1632	1348
其它 General														
总加热功率	Heating Power	kw	8.9	10.3	11	10.3	11	13.3	11.0	13.3	15.0	13.3	15	18
主电源开关容量	Main power switch cspacity	A	100			100			160			160		
温控段数	Temperature Control Area	-	5			5			5			5		
机器重量	Machine Weight	ton	6.3			6.3			6.3			6.3		
外形（L×W×H）	Machine Dimension	m	5.25×1.53×2.16			5.25×1.53×2.16			5.25×1.53×2.16			5.25×1.53×2.16		

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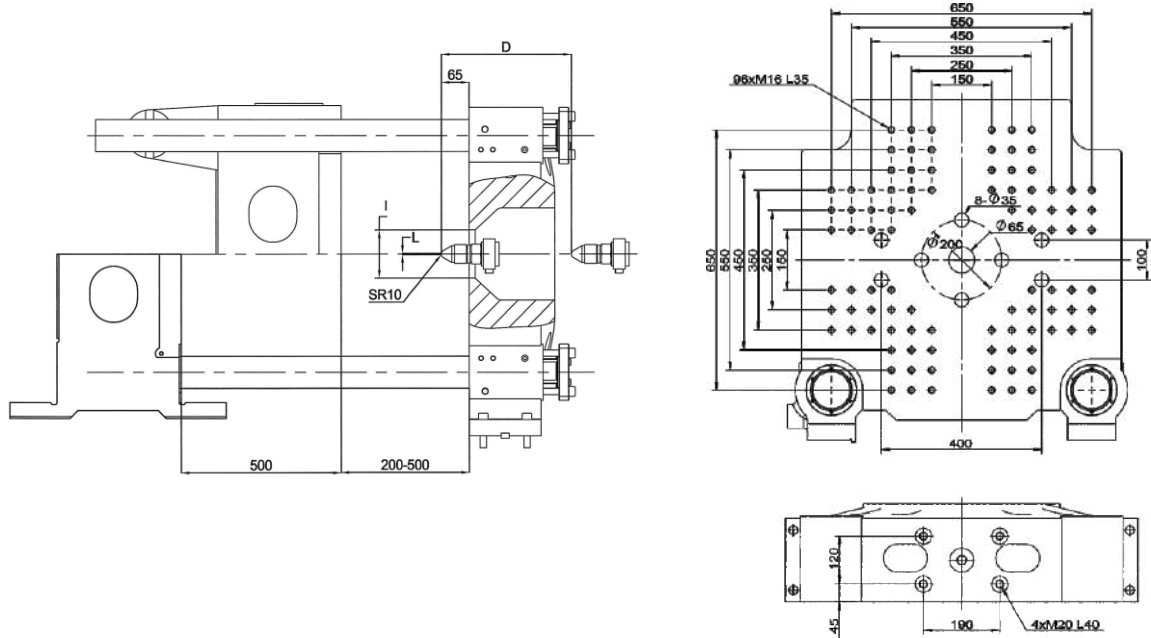
外型尺寸 Overall Dimension

单位/Unit : mm



模板尺寸 Template Size

单位/Unit : mm



A	B	C	D	E	F	G	H	I	J
5027	1151	1506	350	1318	106	1780	2050	120	ø3

TE230

产品参数 Product Parameters

项目 Project		单位 Unit	TE230 L300/H300/L350/H350/L400/H400
合模单元 Clamping Unit			
锁模方式	Clamping Style		双曲肘式（5点） Hyperbolic Elbow (5 points)
锁模力	Clamping Force	ton	230
开锁模行程	Opening/Clamping Stroke	mm	540
最大模板间距	Max Platen Distance	mm	1170
最小/最大模厚	Die Height(Min/Max)	mm	300-630
拉杆内距(宽×高)	Space Between Tie Bars	mm	610×560
模板尺寸(宽×高)	Platen Dimension	mm	880×830
顶针顶出力	Ejecting Force	ton	7
顶针行程	Ejector Stroke	mm	150
顶出点	Ejector Stroke	unit	5

螺杆驱动方式	Screw Driving Mode	–	电动带驱式 Electric belt drive			电动带驱式 Electric belt drive			电动带驱式 Electric belt drive		
螺杆直径	Screw Diameter	mm	36	40	45	40	45	50	45	50	55
螺杆长径比	Screw L:D	–	20	20	20	20	20	20	20	20	20
最大注射容量	Max injection Volume	cm3	203	251	318	251	318	393	334	412	499
最大注射重量（PS）	Max Weight	g	183	226	286	226	286	353	300	371	449
螺杆转速	Screw Rotate Speed	r.p.m	330			330			330		
塑化能力	Plasticizing Capacity	g/s	21.3	29.2	41.6	29.2	41.6	57.1	41.6	57.1	76.0
螺杆行程	Screw Stroke	mm	200			200			210		
射台推力	Nozzle Contact Force	ton	5.6			5.6			6.5		

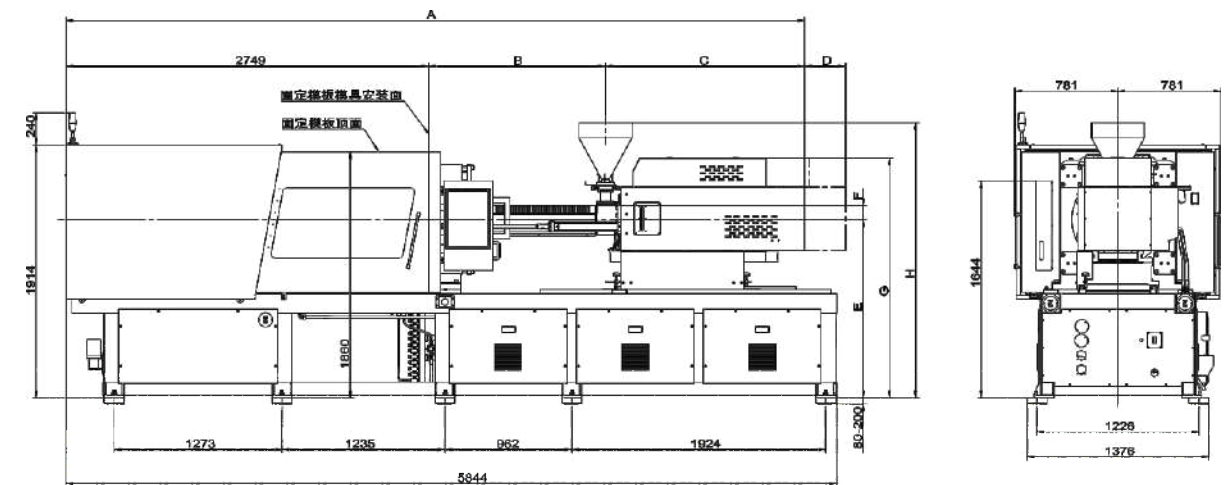
注射单元	Injection Unit	标配	L300			L350			L400		
最高注射速度	Max injection Speed	mm/s	200			160			160		
注射速率	Injection Rate	cc/sec	185	229	289	183	231	286	231	286	346
最大注射压力	Max Injection Pressure	bar	2460	1990	1570	2400	1895	1535	2515	2040	1685
最大保压力	Max Keeping Pressure	bar	1968	1592	1256	1920	1516	1228	2012	1632	1348
注射单元	Injection Unit	选配	H300			H350			H400		
最高注射速度	Max injection Speed	mm/s	300			250			250		
注射速率	Injection Rate	cc/sec	278	343	434	286	362	446	362	446	540
最大注射压力	Max Injection Pressure	bar	2460	1990	1570	2400	1895	1535	2515	2040	1685
最大保压力	Max Keeping Pressure	bar	1968	1592	1256	1920	1516	1228	2012	1632	1348

其它 General											
总加热功率	Heating Power	kw	10.3	11	13.3	11.0	13.3	15.0	13.3	15	18
主电源开关容量	Main power switch cspacity	A	100			160			160		
温控段数	Temperature Control Area	-	5			5			5		
机器重量	Machine Weight	ton	9.6			9.6			9.6		
外形 (L×W×H)	Machine Dimension	m	5.84×1.56×2.20			5.84×1.56×2.20			5.84×1.56×2.20		

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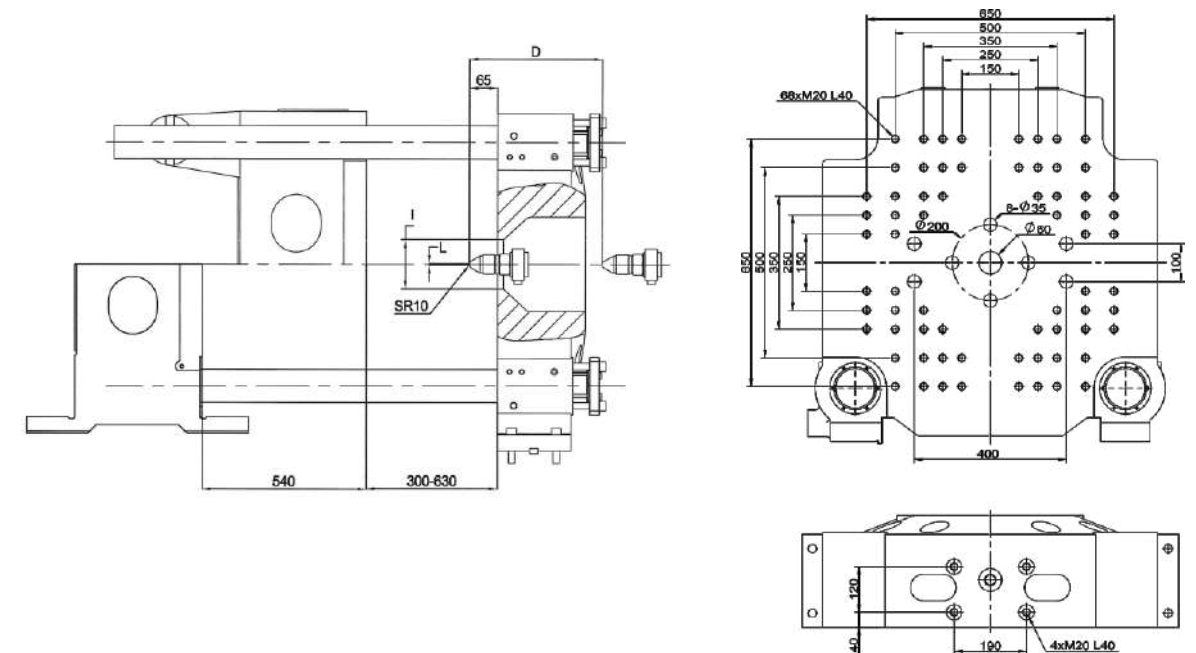
外型尺寸 Overall Dimension

单位/Unit : mm



模板尺寸 Template Size

单位/Unit : mm



A	B	C	D	E	F	G	H	I	J
5592	1338	1508	380	1350	106	1812	2082	120	ø3

Configuration table of Standard Series

标准系列配置表

锁模部分 Mold Clamping		TE80	TE130	TE180	TE230
电动顶针	Electric thimble	○	○	○	○
锁模力实时监控	Real-time monitoring of clamping force	○	○	○	○
特殊模具安装孔	Mounting hole of special mold	○	○	○	○
加大容模量50mm	Increase mold capacity by 50mm	○	○	○	○
加大容模量150mm	Increase mold capacity by 150mm	○	○	○	○
机铰用合金铜套	Alloy copper sleeve for machine hinges	●	●	●	●
电动减速马达齿轮调模	Gear adjustment of electric reduction motor	●	●	●	●
油脂润滑	Grease lubrication	●	●	●	●
模具强制复位装置	Forced reset device for mold	●	●	●	●
朱氏码模夹	Zhu's mold clamp	●	●	●	●
机械安全锁	Mechanical safety lock	●	●	●	●
锁模直线导轨	Model-locked linear guide	●	●	●	●
开模同步顶针	Die opening synchronous thimble	●	●	●	●
吊模架	Suspended formwork	○	○	○	○
加大液压顶出力	Increase the hydraulic top force	○	○	○	○
加大电动顶出力	Increase the electric top force	○	○	○	○
加装模具隔热板	Installation of heat insulation board for mold	○	○	○	○
加大头板中心孔	Enlarge the center hole of head plate	○	○	○	○
机械手安装座（带接口）	Manipulator mounting base (with interface)	○	○	○	○
磁力模板	Magnetic template	○	○	○	○
模板增加T型槽+码模孔	Add T-groove + code mould hole for the template	○	○	○	○
模板增加T型槽	T-groove added for formwork	○	○	○	○
成品滑道	Finished slide	○	○	○	○

射胶部分 Glue Injectiont		TE80	TE130	TE180	TE230
电动射移	Electric shot move	○	○	○	○
下料口温度检测	Tenperature detector in material feeding hole	●	●	●	●
射移直线导轨	Injection displacement linear guide	●	●	●	●
双射移油缸	Double-injection shift cylinder	●	●	●	●
全封闭保温罩	Totally enclosed heat insulation cover	●	●	●	●
射嘴防护罩	Nozzle shield	●	●	●	●
射台表面加不锈钢板	Stainless plate on the surface of the shooting platform	●	●	●	●
冷水环电磁水阀	Solenoid water valve for cold water ring	●	●	●	●
加长射嘴50mm	Lengthen nozzle by 50mm	○	○	○	○
加长射嘴100mm	Lengthen nozzle by 100mm	○	○	○	○
加长射嘴150mm	Lengthen nozzle by 150mm	○	○	○	○
加长射嘴200mm	Lengthen nozzle by 200mm	○	○	○	○
加长射嘴300mm	Lengthen nozzle by 300mm	○	○	○	○
过滤网射嘴组件	Injection nozzle assembly of filter screen	○	○	○	○
弹簧自锁射嘴(国产)	Self-locking injection nozzle of spring (made in China)	○	○	○	○
混色混炼螺杆（φB）	Mixing screw with assorted color（φB）	○	○	○	○
混色混炼螺杆（φA）	Mixing screw with assorted color（φA）	○	○	○	○
混色混炼螺杆（φC）	Mixing screw with assorted color（φC）	○	○	○	○
PMMA塑化组件（φB）	PMMA plasticizing module（φB）	○	○	○	○
PMMA塑化组件(φA)	PMMA plasticizing module（φA）	○	○	○	○
PC塑化组件(φA)	PC plasticizing module（φA）	○	○	○	○
PC塑化组件（φXA）	PC plasticizing module（φXA）	○	○	○	○
软PVC塑化组件（φA）	Flexible PVC plasticizing module（φA）	○	○	○	○
软PVC塑化组件（φB）	Flexible PVC plasticizing module（φB）	○	○	○	○
软PVC塑化组件（φC）	Flexible PVC plasticizing module（φC）	○	○	○	○
射台加装手动润滑泵	Install manual lubrication pump for injection platform	○	○	○	○
加装风冷装置	Installation of air cooling device	○	○	○	○
加装料斗	With Hopper	○	○	○	○
滑动料斗装置	Sliding hopper device	○	○	○	○
带轴承料斗滑动装置	Sliding device of hopper with bearing	○	○	○	○
加装磁力架座(配磁力架)	Installation of magnetic frame base (with magnetic frame)	○	○	○	○
加大料斗	Enlarged hopper	○	○	○	○
埋入式探针射嘴	Embedded probe nozzle	○	○	○	○

钣金部分 Metal Plate		TE80	TE130	TE180	TE230
加宽机门（双边100mm）	Widened door (100mm on both sides)	○	○	○	○
降低安全门高度	Reduce the height of safety door	○	○	○	○
同步带电动门	Synchronous with electric door	○	○	○	○
锁模区加装滑动上盖板	Installation of top sliding cover plate in mold clamping area	○	○	○	○
加装一组6管冷却流量计	Installation of a set of 6-tube cooling flow meters	○	○	○	○
运水架（进出）配D10快插接头	Water carrier (in and out) with D10 quick connector	○	○	○	○
12进12出运水架(进出)配D10快插接头	12 in 12 out Water carrier (in and out) with D10 quick connector	●	●	●	●

液压部分 Hydraulic Part		TE80	TE130	TE180	TE230
小型液压泵站	Small hydraulic pump station	●	●	●	●
油压顶针系统	Hydraulic thimble system	●	●	●	●
油压射移系统	Oil injection displacement system	●	●	●	●
液压抽芯二组	Hydraulic core pulling two sets	●	●	●	●
加装一组液压抽芯	Add a set of hydraulic core pulling system	○	○	○	○
加装二组液压抽芯	Add two sets of hydraulic core pulling system	○	○	○	○
加装三组液压抽芯	Add three sets of hydraulic core pulling system	○	○	○	○
一组液压抽芯配快速接头	One set of hydraulic core pulling system with quick coupling	○	○	○	○
二组液压抽芯配快速接头	Two sets of hydraulic core pulling system with quick coupling	○	○	○	○
三组液压抽芯配快速接头	Three sets of hydraulic core pulling system with quick coupling	○	○	○	○
一组气动抽芯	One set of pneumatic core pulling system	○	○	○	○
一组吹风	One set of aeration system	○	○	○	○
二组吹风	Two sets of aeration system	○	○	○	○
三组吹风	Three sets of aeration system	○	○	○	○
液压旋转脱模(不带液压马达)	Hydraulic rotary demoulding (without hydraulic motor)	○	○	○	○
液压旋转脱模(带液压马达)	Hydraulic rotary demoulding (with hydraulic motor)	○	○	○	○
液压同步抽芯回路	Hydraulic synchronous core pulling circuit	○	○	○	○

电气部分 Electrical Part		TE80	TE130	TE180	TE230
电动旋转脱模（不含马达）	Electric rotary demoulding (excluding motor)	○	○	○	○
电压改为220V/3PH/60HZ	Voltage changed to 220V/3PH/60HZ	○	○	○	○
电压改为440V/3PH/50HZ	Voltage changed to 440V/3PH/50HZ	○	○	○	○
三色报警灯	Three-color alarm light	●	●	●	●
一组2+3 220V/10A插座	One set 2+3 220V/10A power socket	●	●	●	●
二组三相32A插座	2 sets 2P 32A power socket	●	●	●	●
加装一组三相32A插座	Installation of a set of three-phase 32A socket	○	○	○	○
加装二组三相32A插座	Installation of two sets of three-phase 32A socket	○	○	○	○
加装三组三相32A插座	Installation of three sets of three-phase 32A socket	○	○	○	○
加装四组三相32A插座	Installation of four sets of three-phase 32A socket	○	○	○	○
陶瓷发热圈	Equip ceramic heating ring	●	●	●	●
加装模具返回确认	Add mould for return confirmation	●	●	●	●
后门急停按钮	Emergency stop button of rear door	●	●	●	●
熔胶转速测试装置	Speed test device for glue melting	●	●	●	●
配12.1寸显示屏	Equip 12.1" display screen	●	●	●	●
加热用固态继电器	Solid state relay for heating	●	●	●	●
加装电度表	Installation of watt hour meter	○	○	○	○
热流道接口（接电脑）	Hot runner interface (connected to computer))	○	○	○	○
气辅注射装置接口	Interface of gas assisted injection device	○	○	○	○
加装两组模具温控	Add two sets of mould for temperature control	○	○	○	○
锁模力检测及显示	Clamping force detection and display	○	○	○	○
加装电脑操作面板资料锁	Data lock installation for computer operation panel	○	○	○	○
顺序射胶接口	Sequential glue injection interface	○	○	○	○
顺序射胶（带顺序阀）	Sequential injection (with sequence valve)	○	○	○	○
欧规67	European standard 67	○	○	○	○
欧规12	European standard 12	○	○	○	○

其他部分 Other Part		TE80	TE130	TE180	TE230
更改钣金颜色(A/A2以外颜色)	Change metal plate color (color other than A/A2)	○	○	○	○
更改射台颜色(A/A2以外颜色)	Change the color of the injection platform (color other than A/A2)	○	○	○	○
更改锁模颜色(A/A2以外颜色)	Change mould clamping color (color other than A/A2)	○	○	○	○
更改机架颜色(A/A2以外颜色)	Change rack color (color other than A/A2)	○	○	○	○

03

Chapter of Service

客户服务

售后服务、全球服务网点
After-Sale Service、Global Service Net

After-Sale Service

售后服务



快速响应

快速响应客户的需求，收集客户的现场信息并记录故障，给出保养合理化建议；

Fast Response

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



快速到达

快速到达客户现场，进行设备维修；

Fast Arrival

Quickly arrive at customer site for equipment maintenance;



快速处理

快速处理，帮助客户第一时间将设备调整到最佳状态；

Fast Processing

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



快速验收

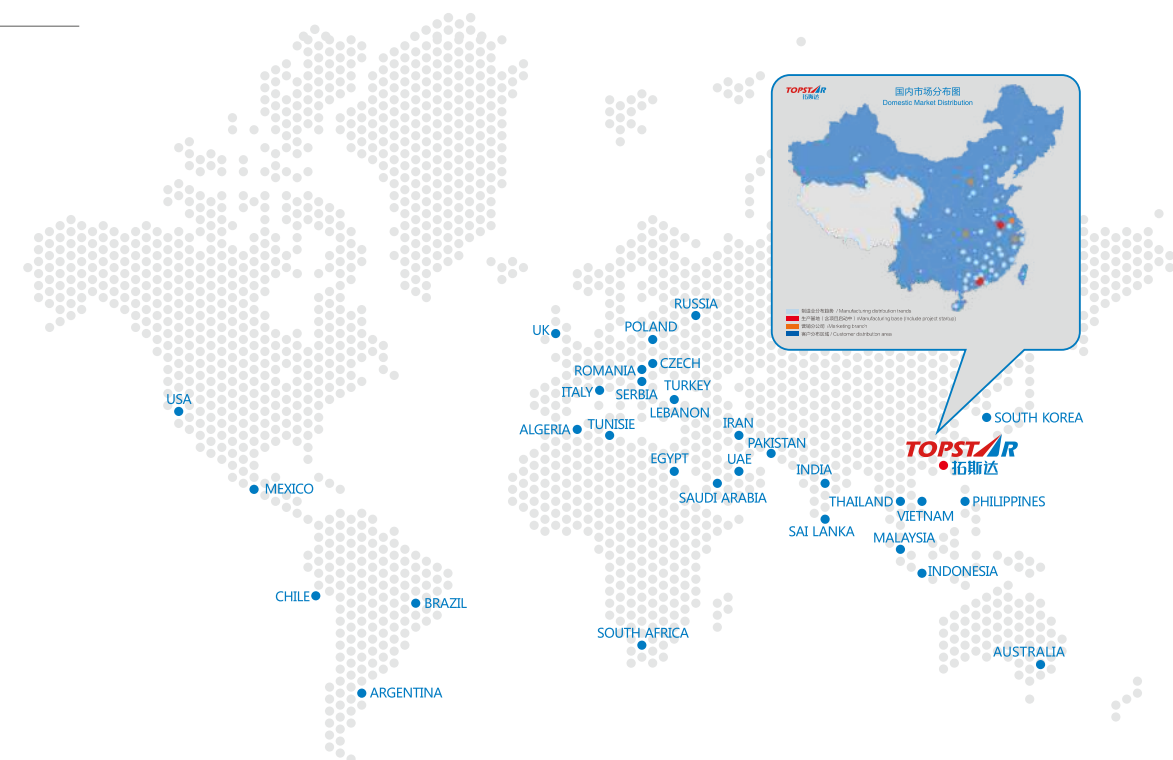
快速完成服务项目验收。

Fast Acceptance

Quickly complete the service project acceptance.

Global Service Net

全球服务网点



sincerely appreciate

衷心感谢

超过15000家客户见证并长期支持

Over 15000 customer have witnessed TOPSTAR growth and long supports

