



CONTENTS

目录

01

公司介绍

About Us

公司简介

Company profile

03-04

企业文化

Company Culture

05-05

资质评定

Qualification evaluation

06-06

发展历程

Development History

07-08

02

产品介绍

Product Introduction

产品介绍

Product Introduction

12-12

应用行业

Application industries

12-12

产品配件

Product accessories

13-13

产品特点

Product Features

14-14

产品参数

Product Parameters

15-17

产品规格

Product Specification

18-18

产品安装尺寸

installation dimensions

19-19

标准系列配置表

Standard series configuration table

20-22

03

客户服务

Chapter of Service

售后服务

After-Sale Service

25-25

全球服务网点

Global Service Net

26-26

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)是国家高新技术企业、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，拥有员工近2600人。

拓斯达坚持“让工业制造更美好”的企业使命，致力于通过控制器、伺服驱动、视觉系统三大核心技术，以及工业机器人、注塑机、CNC为核心的智能装备，打造以核心技术驱动的智能制造产品平台，为制造企业提供智能工厂整体解决方案。

拓斯达长期以来致力于工业制造自动化的创新与应用，在发展过程中不断加强对核心产品及其底层核心技术的研发投入，同时在生产技术、产品工艺及应用实践方面积累了丰富的行业经验。

截至2020年底，公司已在全国设有40余家办事处，服务包括立讯精密、伯恩光学、捷普绿点、比亚迪、海尔、康佳、TCL、长城汽车、五菱汽车等知名企业在内的客户超10000家。凭借对市场的准确把握，对行业的深刻理解，以及多年积累的优质客户资源，公司已在行业内树立了良好的品牌形象，具备较为突出的竞争优势。

近年来，拓斯达不断加大研发投入，聚集了大量国内外行业顶尖科研人才。截至2020年12月31日，公司研发技术人员占比接近40%。

公司长期与清华大学、华中科技大学、华南理工大学等研究机构和各高校开展产学研合作。截至2021年2月，公司拥有授权专利498件，其中发明专利20件，另有软件著作权66件。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。



10000+
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”

Guangdong Topstar Technology Co., Ltd. (abbr. as Topstar, stock code: 300607) is a national high-tech enterprise and a core robot enterprise in Guangdong Province. The company was founded in 2007 and is headquartered in Dalingshan Town, Dongguan City, Guangdong Province, with nearly 2,600 employees.

Topstar adheres to the corporate mission of "making industrial manufacturing better", and is committed to building core technology-driven intelligent manufacturing product platform through the three core technologies of controller, servo drive, and vision system, as well as the core intelligent equipment with industrial robots, injection molding machines, and CNC, to provides manufacturing companies with turnkey solutions for smart factories.

Topstar has been committed to the innovation and application of industrial manufacturing automation for a long time. During the development process, it has continuously strengthened its R&D investment in core products and underlying core technologies. At the same time, it has accumulated rich industry experience in production technology, product technology and application practices.

At the end of 2020, the company has set up more than 40 offices across the country, providing services for over 10000 customers, including Luxshare, Briel, Jabil, BYD, Haier, Konka, TCL, Great Wall Motors, Wuling Motors and other well-known companies. With an accurate grasp of the market, a deep understanding of the industry, and high-quality customer resources accumulated over the years, the company has established a good brand image in the industry and has a relatively prominent competitive advantage.

In recent years, Topstar has continuously increased investment in research and development and has gathered a large number of top scientific research talents from domestic and abroad. As of December 31, 2020, the company's R&D and technical personnel accounted for nearly 40%.

Topstar has long-term cooperation with research institutions and famous universities such as Tsinghua University, Huazhong University of Science and Technology, South China University of Technology, etc. As of February 2021, the company has 498 authorized patents, including 20 invention patents and 66 software copyrights. Many of the company's products have been awarded Guangdong Famous Brand Products, Guangdong High-tech Products, and 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





TM系列产品介绍
Introduction of TM series products

产品介绍、应用行业、产品特点、产品配件、
产品特点、产品参数、产品规格、产品安装尺寸、标准系列配置表
Product Introduction、Application industries、Product Features、Product accessories
、Product Features、Product Parameters、Product Specification、Installation
dimensions、Standard series configuration table

TM series products

TM系列产品

▲
高强度，
稳定可靠

⚙️
优良塑化组件

▲
高稳定
精密控制

💻
进口高端
KEBA电脑

💡
宁静节能



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

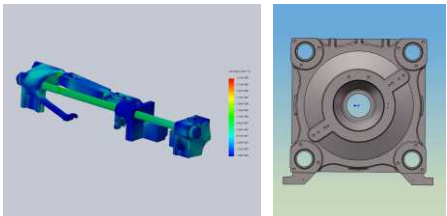
TM通用型精密伺服注塑机 90T-470T
TM general-purpose precision servo-driven injection molding machine 90T-470T



先进的油路设计，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 oil circuit 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.



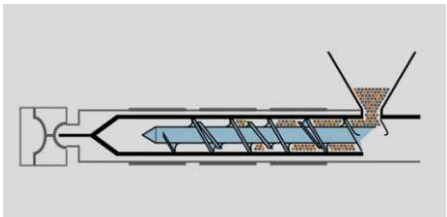
模板优化升级，结构可靠，变形小，能有效保护设备，提高模具使用寿命。
Optimized and upgraded platen, with reliable structure and small deformation, can effectively protect the equipment and improve the service life of mold.



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。
高混色/高混炼螺杆：满足高混色制品，易换色定制螺杆：不同制品特别定制塑化组件，如PC、PA等。
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.



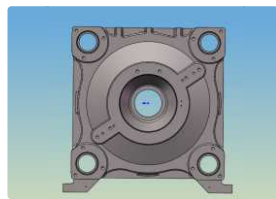
专业的塑化组件搭配，满足不同材料的塑化要求及混色性能。
Professional matching of plasticizing components to meet the plasticizing requirements and color mixing performance of different materials.

Product Features

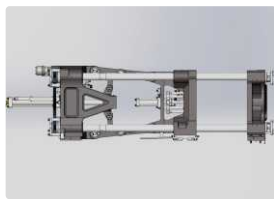
产品特点



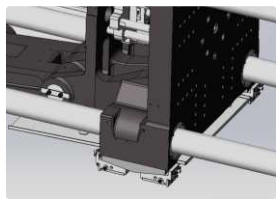
先进的射胶、锁模、油压系统设计，机器参数全面升级；
Advanced design of injection, mold clamping and oil pressure system, and comprehensive



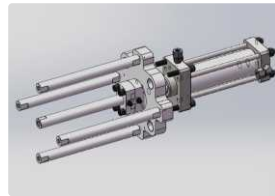
优化的超强模板，受力均衡，适用绝大多数产品；
Optimized super strong platen with balanced force, applicable to most products;



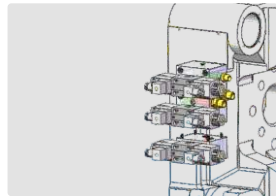
全新斜排机铰布局，可实现超长行程开模，开模位置精度<1mm，模板运动快且稳；
Brand new diagonal hinge layout, which can realize ultra-long stroke mold opening, mold opening position accuracy <1mm, fast and stable platen movement;



采用独特的双滑脚设计，模板平行度调节方便；
Unique double slider design, easy to adjust the parallelism of the platen;



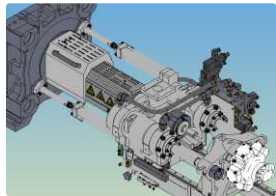
采用欧标顶针，顶针操作空间大；
European standard ejector pin, with large operation space;



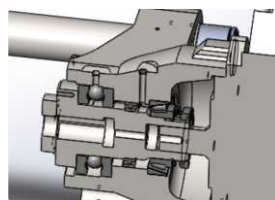
模块化抽芯油阀设计，自由搭配抽芯组数；
Modular loose core oil valve design, free to match the number of loose cores;



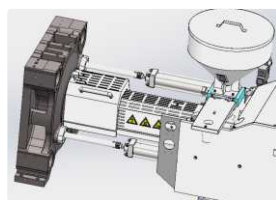
全新的调模机构，一键即可实现自动精准调模；
New mold adjustment mechanism, with one-key function available to realize automatic and accurate mold adjustment;



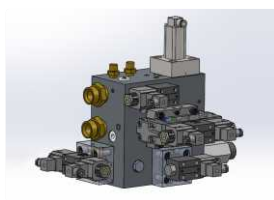
双射移搭配线性导轨，射台运动阻力小，动作灵敏，射胶精准稳定；
Double injection shift with linear guide, low resistance of injection unit movement, sensitive action, accurate and stable injection;



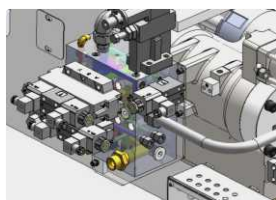
射胶传动轴采用三轴承设计，保证同轴度，螺杆料筒磨损小；
Three bearing design for the injection drive shaft to ensure coaxiality and small wear of the screw barrel;



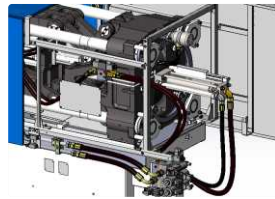
全新射台，整体框架式底座，护罩设计美观，安全稳定；
New injection unit, overall frame type base, beautiful design of shield, safe and stable;



油路系统全面升级，安全，稳定，功能全，差动锁模运行周期快；
Oil circuit system fully upgraded, safe, stable, full-featured, with fast operation cycle of differential clamping;



熔胶背压采用数控比例背压，控制精准；
CNC proportional back pressure of melting, precise control;



锁模油缸缓冲系统，高速高压条件下对机铰无撞击；
Clamping cylinder buffer system, no impact on the machine hinge under high speed and high pressure conditions;



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

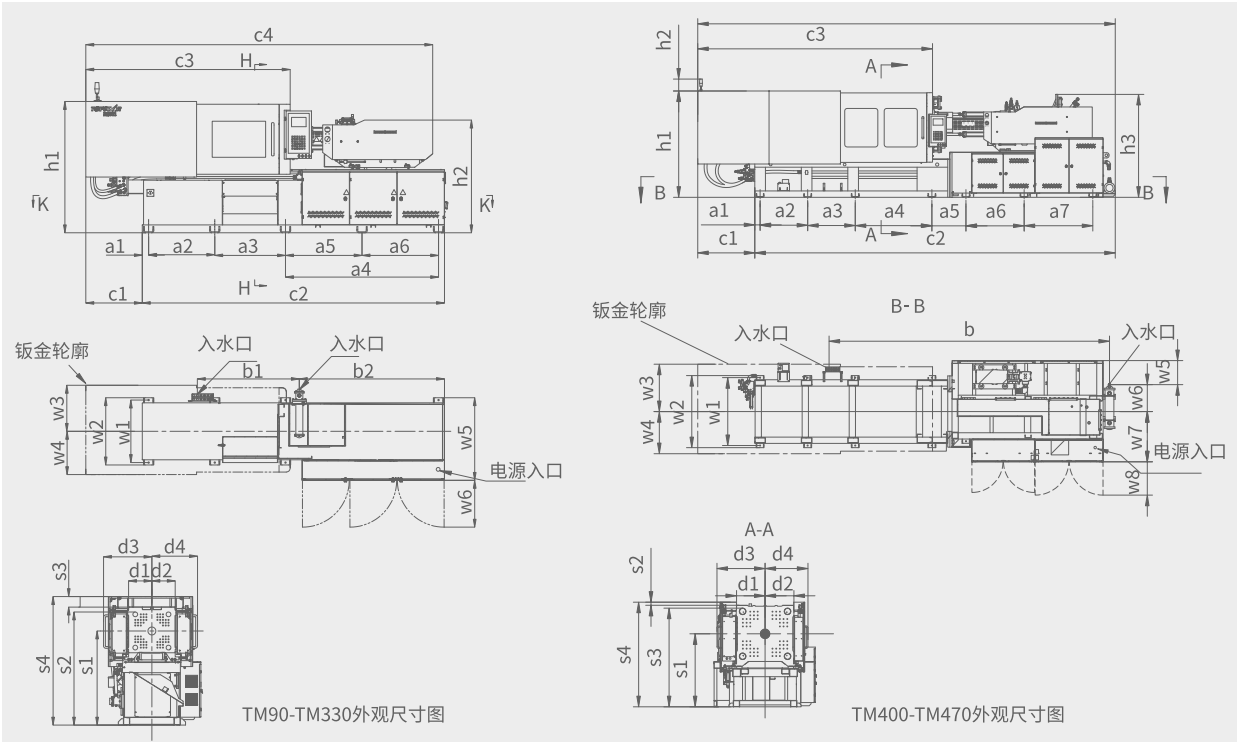
Product Parameters

产品参数

注射部份		INJECTION UNIT	UNITS	TM90			TM130			TM170			TM220			TM260			TM330			TM400			TM470		
螺杆直径	Screw Diameter	mm	32	36	40	36	40	45	40	45	50	45	50	55	50	55	60	60	65	70	65	70	75	75	80	85	
螺杆长径比	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	22.0	20.0	18.3	21.7	20.0	18.6	21.5	20.0	18.7	21.3	20.0	18.8	
螺杆行程	Screw Stroke	mm	150	150	150	170	170	170	200	200	200	210	210	210	240	240	240	280	280	280	320	320	320	360	360	360	
注射容积	Shot Volume	cm³	121	153	188	173	214	270	251	318	393	334	412	499	471	570	679	792	929	1078	1062	1232	1414	1590	1810	2043	
注射重量(PS)	Shot Weight(ps)	g	110	139	172	157	194	246	229	289	357	304	375	454	429	519	618	720	846	981	966	1121	1286	1447	1647	1859	
		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	15.1	18.3	21.7	25.4	29.8	34.5	34.0	39.4	45.3	50.9	58.0	65.4	
注射压力	Injection Pressure	kgf/cm²	2393	1890	1531	2301	1864	1473	2362	1866	1511	2299	1862	1539	2257	1865	1567	2188	1864	1607	2085	1798	1566	1984	1744	1545	
注射速率	Injection Rate	cm³/s	79	100	123	101	125	158	123	156	193	158	195	236	193	234	278	273	320	371	333	386	443	440	501	566	
注射速度	Injection Rate	mm/s	98	98	98	99	99	99	98	98	98	99	99	99	98	98	98	96	96	96	100	100	100	100	100	100	
螺杆转速	Screw Speed	rpm		240			220			200			175			175			170			170			170		
射咀推力	Nozzle Contact Force	t		4.2			4.2			6.2			6.2			6.2			9.1			9.1			9.1		
射咀行程	Nozzle Stroke	mm		260			260			280			340			340			450			450			450		
锁模部份	CLAMPING UNIT	UNITS	TM90			TM130			TM170			TM220			TM260			TM330			TM400			TM470			
锁模力	Clamping Force	t	90			130			170			220			260			330			400			470			
开模行程	Opening Stroke	mm	330			360			430			490			560			660			720			800			
模板尺寸(水平×垂直)	Platen size(H×V)	mm	530x530			600x600			680x680			790 x 790			840 x 840			970x970			1045x1045			1160x1160			
导柱内距(水平×垂直)	Space Between Tie Bars(H×V)	mm	360x360			410x410			470x470			530 x 530			580 x 580			680x680			730x730			820x820			
容模量(最薄-最厚)	Mlould Thickness (Min)	mm	125			150			160			180			190			225			250			300			
		Mlould Thickness (Max)	mm	400			460			540			560			600			700			750			870		
模板最大距离	Max. Daylight	mm	730			820			970			1050			1160			1360			1470			1670			
顶出推力	Ejector Force	t	3.4			3.4			4.2			6.7			6.7			6.7			11.0			11.0			
顶出行程	Ejector Stroke	mm	120			120			140			160			160			160			220			220			
定位法兰	Locating Ring	mm	100			100			125			125			125			125			160			160			
电力/电热	POWER/HEATING UNIT	UNITS	TM90			TM130			TM170			TM220			TM260			TM330			TM400			TM470			
系统压力	System Pressure	kgf/cm²	175			175			175			175			175			175			175			175			
油泵电机功率	Pump Power	kw	13			13			18			22			26			36			45			52			
电热量	Heating Power	kw	7			9.7			10.2			13.6			17.3			21.3			23.4			31.6			
温度控制段数	Number of Temp Control Zones		3+1			3+1			3+1			3+1			3+1			4+1			5+1			5+1			
其它	OTHERS	UNITS	TM90			TM130			TM170			TM220			TM260			TM330			TM400			TM470			
机器尺寸(长x宽x高)	Machine Dimensions(LxWxH)	m	4.65x1.23x1.88			4.74x1.23x1.88			5.3x1.32x1.96			6.1x1.54x2.19			6.21x1.54x2.19			7.29x1.86x2.3			7.92x1.92x2.24			8.65x1.92x2.29			
油箱容积	Oil Tank Capacity	L	150			150			200			300			300			400			450			600			
机器重量	Machine Weight	t	3.3			3.7			4.5			6.7			7.5			11.1			14.8			17.5			
模板正面尺寸 Platen dimensions																											

Product Specification

产品规格



机型尺寸

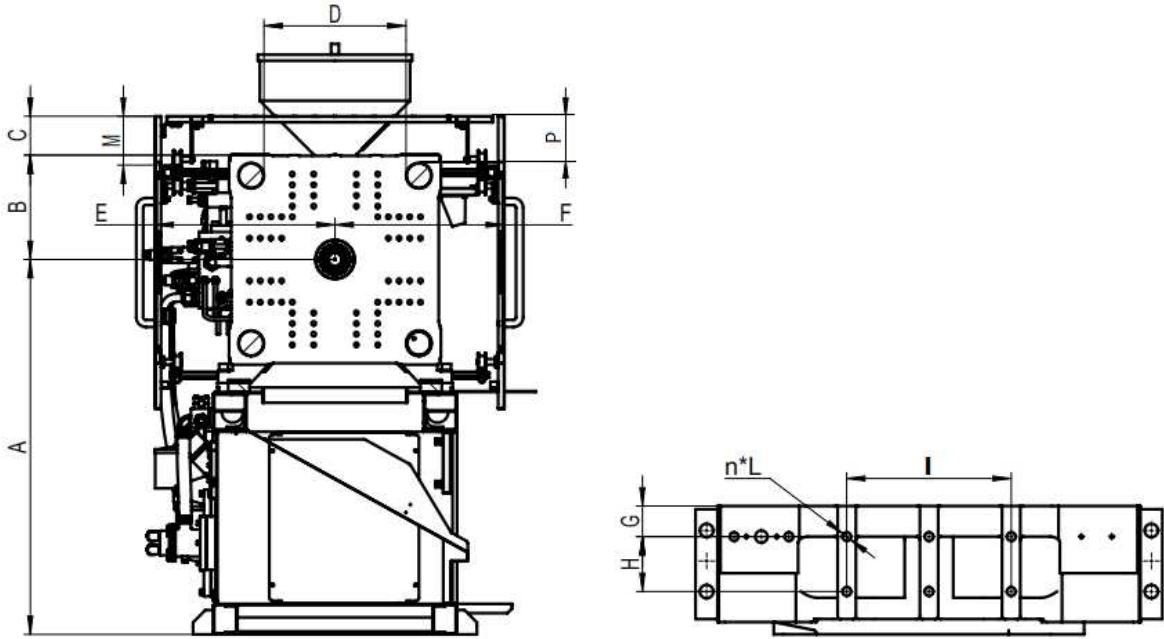
	TM90	TM130	TM170	TM220	TM260	TM330
a1	80	80	80	65	65	110
a2	836	836	997	1240	1240	1470
a3	894	894	1013	1180	1180	1250
a4	1935	1935	2020			
a5				1160	1160	1493
a6				1135	1135	1342
b1	1289	1284	1371	1565	1565	2881
b2	1835	1825	1924	2180	2180	1667
c1	714	714	775	885	885	1027
c2	3820	3820	4200	4850	4850	5760
c3	2583	2581	2914	3436	3436	3868
c4	4385	4478	5018	5764	5866	6839
d1	295	307	347	420	430	509
d2	295	307	347	420	430	495
d3	612	612	651.5	783	783	866
d4	577	577	616.5	708	708	802
h1	1660	1660	1735	1962	1962	2071
h2	1425	1425	1475	1580	1596	1711
w1	790	790	870	1058	1058	1210
w2	850	850	930	1118	1118	1290
w3	582	582	590	753	753	831
w4	547	547	555	679	679	788
w5	1045	1045	1125	1313	1313	1640
w6	592	590	600	590	590	631
s1	1190	1190	1230	1335	1335	1390
s2	1430	1465	1545	1692	1722	1842
s3	133	133	128	160	160	148
s4	1625	1625	1572	1992	1992	2037

外形尺寸

	TM400	TM470
a1	100	105
a2	900	980
a3	900	980
a4	1450	1550
a5	645	730
a6	1100	1100
a7	1300	1300
b	5305	5547
c1	1080	1169
c2	6820	7180
c3	4442	4877
c4	7465	8197
d1	540	600
d2	545	600
d3	911	980
d4	811	980
h1	2012	2067
h2	224	224
h3	1948	1972
w1	1284	1410
w2	1364	1490
w3	896	966
w4	797	867
w5	456	447
w6	509	518
w7	950	950
w8	631	631
s1	1380	1380
s2	59	54
s3	1867	1922
s4	1979	2034

installation dimensions

产品安装尺寸



机械手安装接口尺寸（注：A尺寸不含避震脚）
Robot assemble connecting size (Size A without level pad)

机型	TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
A	1190	1190	1320	1335	1335	1390	1380	1380
B	302	302	342	427	427	497	537	597
C	133	133	128	160	160	150	62	57
D	360	410	470	530	580	680	730	820
E	550	550	590	722	722	804	849	919
F	515	515	555	647	647	751	749	819
G	50	50	50	50	70	70	75	75
H	70	90	90	90	90	160	80+80	100+100
I	270	270	270	270	270	420	420	480
L	M16	M16	M16	M16	M16	M20	M20	M20
M	160	160	160	197	197	222	117	117
N	6	6	6	6	6	6	9	9
P	198	160	155	232	202	197	114	114

Configuration table of Standard Series

标准系列配置表

锁模部分	Mold Clamping	TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
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	○	○	○	○	○	○	○	○
机铰用铜套	Bushes for Toggle	●	●	●	●	●	●	●	●
拉杆导套用含油铜套	Oiled bushes for tie bars	●	●	●	●	●	●	●	●
液压马达齿轮调模	Hydraulic gear pump for mold adjust	●	●	●	●	●	●	●	●
吊模架	Suspended formwork	○	○	○	○	○	○	○	○
油脂润滑(配自润滑轴承)	Grease lubrication (with self-lubricating bearing)	○	○	○	○	○	○	○	○
加大顶出力	Increase jacking force	○	○	○	○	○	○	○	○
加装模具强制复位装置	Installation of forced reset device for mold	●	●	●	●	●	●	●	●
加装模具隔热板	Installation of heat insulation board for mold	○	○	○	○	○	○	○	○
导柱采用自润轴承	The guide pillar adopts self-lubricating bearing	●	●	●	●	●	●	●	●
朱氏码模夹	Zhu's mold clamp	○	○	○	○	○	○	○	○
加装机械安全锁	Installation of mechanical safety lock	○	○	○	○	○	○	○	○
锁模导轨加装钢带	Installation of steel belt for mold locking guide rail	●	●	●	●	●	●	●	●
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	TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
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（φ B）	Mixing screw with assorted color (φ B)	○	○	○	○	○	○	○	○
混色混炼螺杆（φ A）	Mixing screw with assorted color (φ A)	○	○	○	○	○	○	○	○
混色混炼螺杆（φ C）	Mixing screw with assorted color (φ C)	○	○	○	○	○	○	○	○
PMMA塑化组件(φ B)	PMMA plasticizing module (φ B)	○	○	○	○	○	○	○	○
PMMA塑化组件(φ A)	PMMA plasticizing module (φ A)	○	○	○	○	○	○	○	○
PC塑化组件(φ A)	PC plasticizing module (φ A)	○	○	○	○	○	○	○	○
PC塑化组件（ φ XA ）	PC plasticizing module (φ XA)	○	○	○	○	○	○	○	○
软PVC塑化组件(φ A)	Flexible PVC plasticizing module (φ A)	○	○	○	○	○	○	○	○
软PVC塑化组件(φ B)	Flexible PVC plasticizing module (φ B)	○	○	○	○	○	○	○	○
软PVC塑化组件(φ C)	Flexible PVC plasticizing module (φ C)	○	○	○	○	○	○	○	○
加大一级橡胶马达	Upgrade glue melting motor by a grade	○	○	○	○	○	○	○	○
减小一级射胶机构	Degrade glue injection mechanism by a grade	○	○	○	○	○	○	○	○
减小二级射胶机构	Degrade glue injection mechanism by two grades	○	○	○	○	○	○	○	○
加大注射行程50mm	Increase injection stroke by 50mm	○	○	○	○	○	○	○	○
射台加装手动润滑泵	Install manual lubrication pump for injection platform	○	○	○	○	○	○	○	○
下料口温度检测	Temperature detector in material feeding hole	●	●	●	●	●	●	●	●
射移、射胶用线轨	Linear guiders for injection&carriage movement	●	●	●	●	●	●	●	●
双射移油缸	Double-injection shift cylinder	●	●	●	●	●	●	●	●
全封闭保温罩	Totally enclosed heat insulation cover	●	●	●	●	●	●	●	●
加装风冷装置	Installation of air cooling device	○	○	○	○	○	○	○	○
射嘴防护罩	Nozzle shield	●	●	●	●	●	●	●	●
射台表面加花纹板	Carriage covered with anti-slip steel mat	●	●	●	●	●	●	●	●
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	○	○	○	○	○	○	○	○
冷水环增加电磁水阀	Add solenoid water valve for cold water ring	○	○	○	○	○	○	○	○

钣金部分 Metal Plate		TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
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	○	○	○	○	○	○	○	○
六进六出运水架(进出)配D12快插接头	6 in 6 out Water carrier (in and out) with D12 quick connector	●	●	●	●	●	●	●	●

液压部分 Hydraulic Part		TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
标配一组液压抽芯	Standard 1 set hydraulic core pulling	●	●	●	●	●	●		
标配二组液压抽芯	Standard 2 setts hydraulic core pulling							●	●
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)	○	○	○	○	○	○	○	○
抽芯增加叠加单向阀	Core pulling system with stacked check valve	○	○	○	○	○	○	○	○
顶针增加叠加单向阀	Thimble with stacked check valve	○	○	○	○	○	○	○	○
调模刹车液压马达	Hydraulic motor for mold adjustment brake	○	○	○	○	○	○	○	○
开模同步顶针	Synchronous thimble for mould opening	○	○	○	○	○	○	○	○
液压同步熔胶回路	Hydraulic synchronous glue melting circuit	○	○	○	○	○	○	○	○
液压同步抽芯回路	Hydraulic synchronous core pulling circuit	○	○	○	○	○	○	○	○
加装射移单向阀	With Carriage movement check valve	●	●	●	●	●	●	●	●
数控背压	CNC back pressure	●	●	●	●	●	●	●	●
液压安全锁	Hydraulic safety lock	●	●	●	●	●	●	●	●
加大一级油泵电机	Upgrade the oil pump motor by a grade	○	○	○	○	○	○	○	○
加大两级油泵电机组	Upgrade the oil pump motor by two grades	○	○	○	○	○	○	○	○
伺服注射系统	Servo injection system	○	○	○	○	○	○	○	○
油温预热功能	Oil temperature preheating function	○	○	○	○	○	○	○	○
加大油冷却器	Upgrade oil cooler	○	○	○	○	○	○	○	○
加装冷却水控制阀	Installation of cooling water control valve	○	○	○	○	○	○	○	○
配力士乐电磁阀	Equip Rexroth solenoid valve	○	○	○	○	○	○	○	○
高速伺服开合模阀	High speed servo opening and closing valve	○	○	○	○	○	○	○	○
加装射移单向阀	Installation of shooting and movement check valve	●	●	●	●	●	●	●	●
加装高压软管防爆链	Installation of high pressure hose explosion-proof chain	●	●	●	●	●	●	●	●

电气部分 Electrical Part		TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
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	○	○	○	○	○	○	○	○
加装三色报警灯	Installation of 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	○	○	○	○	○	○	○	○
配陶瓷发热圈	Equip ceramic heating ring	○	○	○	○	○	○	○	○
加装模具返回确认	Add mould for return confirmation	●	●	●	●	●	●	●	●
射嘴独立控制	Independent nozzle control	●	●	●	●	●	●	●	●
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8.4寸显示屏	Equip 8.4" display screen	●	●	●	●	●	●	●	●
配10寸显示屏	Equip 10" display screen	○	○	○	○	○	○	○	○
油位警报	Oil level alarm	○	○	○	○	○	○	○	○
油温过高报警	Super high oil temperature alarm	●	●	●	●	●	●	●	●
加装电度表	Installation of watt hour meter	○	○	○	○	○	○	○	○
加热用固态继电器	Solid state relay for heating	●	●	●	●	●	●	●	●
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		TM90	TM130	TM170	TM220	TM260	TM330	TM400	TM470
射台表面加花纹板	Pattern plate on the surface of shooting table	●	●	●	●	●	●	●	●
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)	○	○	○	○	○	○	○	○

备注：标准配置 “●” 和备选配置 “○”
Remark:Standard “●” Optional “○”

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;

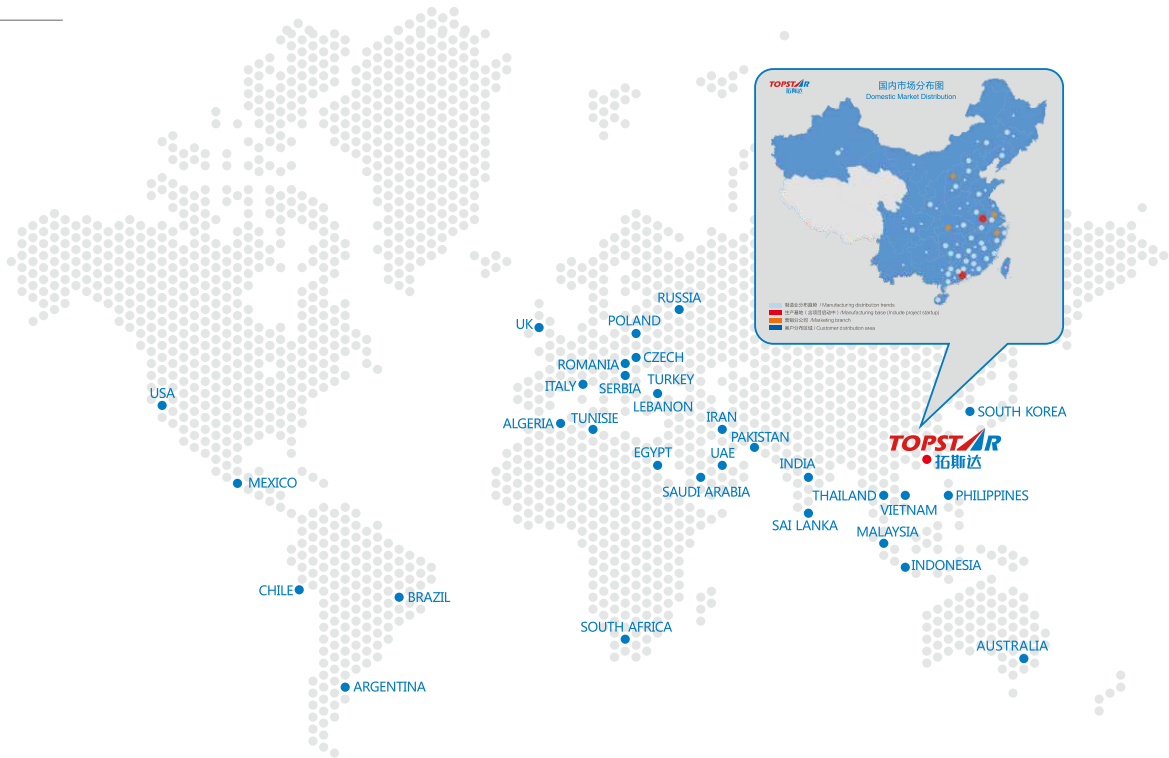


快速处理
快速处理，帮助客户第一时间将设备调整到最佳状态；
Fast Processing
Quickly processing to help customers adjust the equipment to the best state in the first time;

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10000家客户见证并长期支持
Over 10000 customer have witnessed TOPSTAR growth and long supports

