公司总部及各办事处联系方式

中国华南研发制造基地

广东拓斯达科技股份有限公司

地址：广东省东莞市大岭山镇大塘朗创新路2号
电话：86-769-8305 0999
传真：86-769-8584 5562
邮箱：marketing@topstarltd.com

South China R&D and Manufacturing Base

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
E-mail:marketing@topstarltd.com

中国华东研发制造基地

江苏拓斯达机器人有限公司

地址：江苏省苏州市吴中经济开发区郭巷街道淞葭路1999号
电话：0512-8686 4305
手机：185 0156 0757

East China R&D and Manufacturing Base

Jiangsu Topstar Robot Co., Ltd.

ADD: No.1999 Songjia Road, Guoxiang Street, Wuzhong Economic Development Zone, Suzhou City, Jiangsu Province
TEL: 0512-8686 4305
MOB: 185 0156 0757

苏州拓斯达智能装备有限公司

地址：江苏省苏州市吴中经济开发区郭巷街道淞葭路1999号C栋1楼
电话：0512-5288 9310
手机：185 0156 0757

Suzhou Topstar Intelligent Equipment Co., Ltd.

ADD: 1F, Building C, No.1999 Songjia Road, Guoxiang Street, Wuzhong Economic Development Zone, Suzhou City, Jiangsu Province
TEL: 0512-5288 9310
MOB: 185 0156 0757

宁波拓晨机器人科技有限公司

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电话：86-574- 8610 5571
传真：86-574- 8610 5571
手机：137 7723 2779

Ningbo Topstar Robot Technology Co., Ltd.

ADD: Lane 93, Shunhui East Road, Fengshan Street, Yuyao City, Zhejiang Province
TEL: 86-574-8610 5571
FAX: 86-574-8610 5571
MOB: 137 7723 2779

华北服务办事处

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手机：139 2957 0939

North China Service Offices,China

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MOB: 139 2957 0939

越南服务办事处

地址：北江市黎利坊雄王路3号TUTACENTER一楼
手机：186 0209 6307 / 0084-346 860 156

Vietnam Service Office

Address: 1st Floor, TUTACENTER, No. 3, Xiongwang Road, Lilifang, Bac Giang
MOB: 186 0209 6307 / 0084-346 860 156

全国统一客服热线
Domestic Service Hotline
400-096-8005
Http://www.topstarltd.com

TSDSC2023-B

TOPSTAR 拓斯达

TE II系列注塑机

TE II SERIES INJECTION MOLDING MACHINE

全新高品质电动注塑机
All-new High-quality Electric Injection Molding Machine

股票代码 Stock Code 300607

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）成立于2007年，总部位于广东省东莞市大岭山镇，注册资本4.25亿元。

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、注塑机、CNC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2023年3月，公司已在全国设有近40家办事处，触达客户超20万家，服务客户超15000家。

公司是国家高新技术企业、国家绿色工厂、广东省机器人骨干企业、广东省服务型制造示范企业、广东省智能制造生态合作伙伴、东莞市“倍增计划”试点企业、东莞数字化转型服务商企业，建有广东省企业重点实验室、广东省工程技术研究中心、广东省企业技术中心、广东省博士工作站、东莞市技师工作站等人才及科研平台、东莞市双创人才示范点。公司荣获“东莞市政府质量奖”“东莞市先进集体”“东莞市友善企业”“2022年度东莞市非公有制工业企业（集团）贡献奖”等奖项，并入选“2021中国智能制造50强”“2021广东企业500强”“2021工业机器人TOP50”“2022年广东省制造业企业500强”等榜单。

Guangdong Topstar Technology Co., Ltd. (abbreviation: Topstar, stock code: 300607) was established in 2007 and is headquartered in Dalingshan Town, Dongguan City, Guangdong Province with a registered capital of 425 million yuan.

Topstar adheres to the corporate mission of "making industrial manufacturing better", and creates an intelligent hardware platform driven by core technologies through intelligent equipment centered on industrial robots, injection molding machines, and CNC, as well as three core technologies of control, servo, and vision, to provide manufacturing enterprises with an overall smart factory solution. As of March 2023, the company has established nearly 40 offices across the country, reaching more than 200,000 customers and serving more than 15,000 customers.

Topstar is a National High-Tech Enterprise, National Green Factory, Guangdong Provincial Robot Key Enterprise, Service-oriented manufacturing demonstration enterprise in Guangdong, Intelligent Manufacturing Ecological Partner of Guangdong, Dongguan "Doubling Plan" Pilot Enterprise, Dongguan Digital Transformation Service Provider Enterprise, and has built Guangdong Enterprise Key Laboratory, Guangdong Engineering Technology Research Center, Guangdong Enterprise Technology Center, Guangdong Doctoral Workstation, Dongguan Technician Workstation and other talent and scientific research platforms, Demonstration Site for innovation and entrepreneurship talents in Dongguan. The company won the "Dongguan Municipal Government Quality Award", "Dongguan Advanced Collective", "Dongguan Friendly Enterprise", "2022 Dongguan Non-public Industrial Enterprise (Group) Contribution Award" and other awards, and was selected as "2021 China's Top 50 Intelligent Manufacturing Enterprises" and "2021 Guangdong Top 500 Enterprises", "2021 Industrial robot TOP50", "Top 500 Manufacturing Enterprises in Guangdong in 2022", etc.

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 serve the intelligent manufacture

企业定位
Enterprise Positioning

以核心技术驱动的智能硬件平台
Intelligent hardware platform driven by core technology

核心价值观
Core Values

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

苏州吴中经济开发区——华东研发制造基地
Suzhou Wuzhong Economic Development Zone – East China R&D and Manufacturing Base

Introduction of Injection Molding Machine Business Unit
注塑机事业部介绍

让注塑制造更高效，让工业制造更美好
Make injection molding manufacturing more efficient, make industrial manufacturing better

拓斯达注塑机事业部是国内唯一拥有注塑机到辅机全套设备自研自产体系的注塑装备机构，具有自研率高、用户群广、集成经验丰富、可整厂实施四大优势。

坚持“让工业制造更美好”的使命，立足于拓斯达智能装备平台，汇聚30余年品牌的注塑机传承，致力推进注塑机和注塑系统工程更智能，为客户提供注塑全流程、全周期产品服务。

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.

研发理念
R&D Concept

拓斯达注塑机研发理念聚焦“系统化、通用化、精密化、性价比”。
Topstar injection molding machine research and development concept focus on "systematization, universalization, precision, cost-effectiveness".

系统化是指通过硬件注塑机机械手辅机的配合，实现如“机械手跟踪锁模位置补偿”提高注塑工站性能，通过软件注塑机控制系统实现注塑机辅机一体化控制，形成注塑行业系统化整体解决方案。

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.

精密化是指通过自主研发，不断优化产品设计，提升温度、速度、注射压力、降低原料及能源消耗等关键指标控制，提升制品质量及生产效益。

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.

通用化是指拓斯达注塑机面向大多数行业，增加注塑机应用的场景，为客户多种类产品生产提供便利。

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.

性价比则满足与相同价位产品，实现在配件、功能上提升10%-15%的设计原则，为客户提效降本。

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.

TE II Series Products
TE II系列产品

安全·稳定·可靠
SAFE-STABLE-RELIABLE

用心打造，确保每一台交付到客户的电动机让消费者安心使用
Create carefully to ensure that every machine delivered to clients can be used with ease

- 锁模力覆盖60T~460T
  - Clamping force 60T~460T
- B螺杆覆盖22~80mm
  - B Screw diameter 22~80mm
- 注射速度低、中、高可选，最高可选500mm/s
  - Injection speed options: low, medium or high, and the maximum is 500mm/s

Application Industries
应用行业

- 医疗 Medical
- 家电类 Home Appliance
- 容器类 Containers
- 3C电子 3C Electronics
- 玩具 Toys
- 化妆品 Cosmetics
- 汽配行业 Auto Parts
- 快消类 Consumer Goods

Electrical and Hybrid Modules

EHM平台

e · TE II 全电式 & h · TE II 混电式同平台

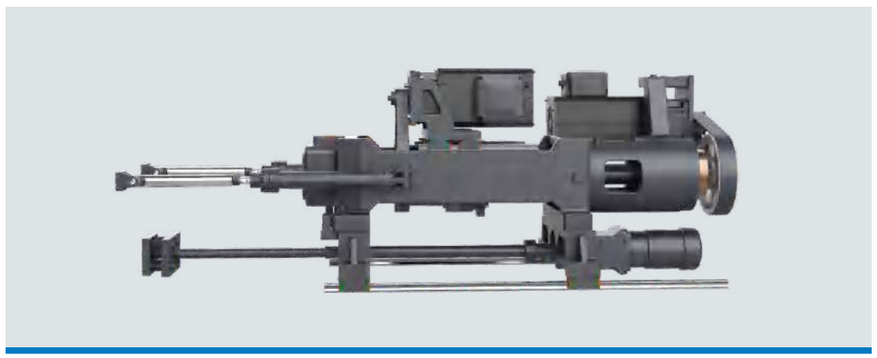
e-TEII All Electric & h-TEII Hybrid share the same platform

- e · TE II 针对高洁净应用场景；
- h · TE II 针对液压机制造升级的所有场景；
- IU射台 对应场景细分注射特性：
  IU 低速，长保压、厚壁制品
  IU h 中速，薄壁制品
  IU hs 高速，超薄制品

- e-TEII: Specialized for high clean application occasions;
- h-TEII: Specialized for all scenarios of the manufacturing and upgrading of hydraulic IMM;
- IU Injction Unit: Subdivision of injection characteristics by corresponding occasions:
  IU: Normal speed, long pressure holding, thick-wall products
  IU h: Medium speed, thin-wall products
  IU hs: High speed, ultra thin-wall products

液、电顶出
Hydraulic, electric ejection

液、电调模
Hydraulic, electric mold thickness adjustment



液、电座移
Hydraulic, electric carriage movement

Clamping Unit

锁模单元

- 精心设计的运动曲线，开合模平顺；
- 高刚性模板，制品稳定的同时更好的保护模具；
- 大众化容模量设计，满足模具安装需求；
- 可选线轨支撑，运动更轻盈。

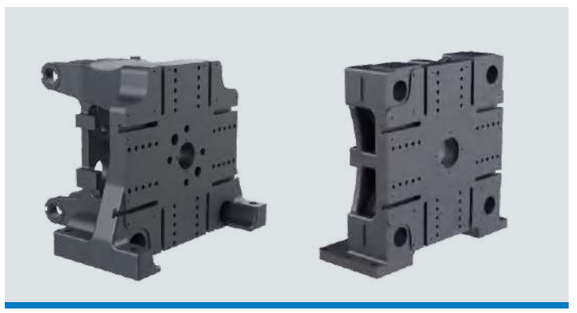
- Well-designed movement curve, smooth mold opening and closing;
- High rigidity platen, stable product quality and better protection of mould;
- Popular design of min.-max. mould thickness, meet the requirements of mould installation;
- Optional linear guide rail support for lighter movement.

高稳定性模板

High Stability Platen

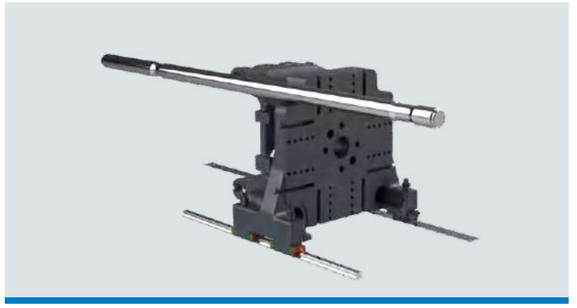
宽大支撑脚，稳定的动态支撑，开合模平稳，更好的保护模具及机器。

Wide support for platen and mould, stable dynamic support, stable mold opening and closing, better protection of mould and machine.



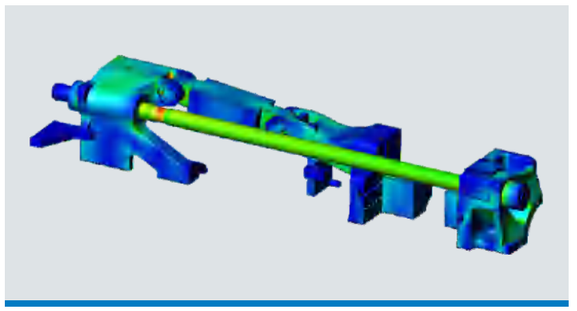
非接触式拉杆，拉杆无需润滑，减少污染物，减少哥林柱拉伤；
可选线性导轨，低阻尼，运行更平稳，低压模保更灵敏。

Non-contact tie bar, free from lubrication, reducing contaminant and tie bar strain. Optional linear guide rail, low damping, more stable motion, more sensitive low pressure mould protection.



高刚性模板，充分的应力分析，设计强度恰当。

High rigidity platen, full stress analysis, appropriate strength design.



Injection Unit
注射单元

- 模块化设计，可适配各种工况；
- 高刚性结构，制品成型稳定；
- 线轨支撑，低速控制<1mm/s。

- Modular design, applicable to various working conditions;
- High rigidity structure, stable product quality;
- Linear guide rail support, low speed control <1mm/s.

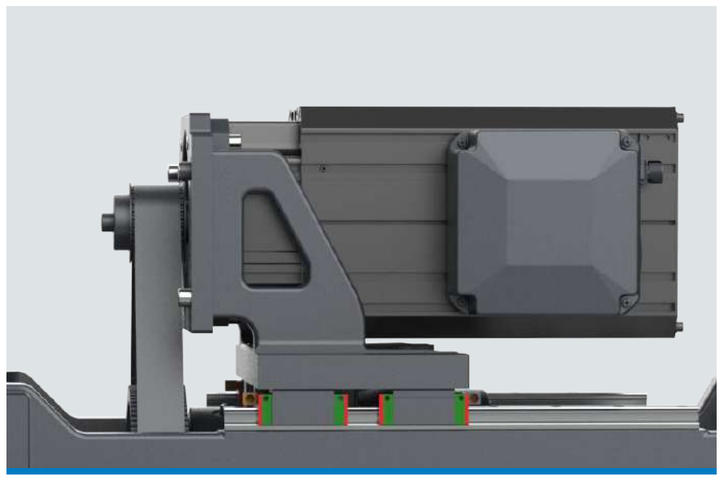
高刚性结构
High Rigidity Structure

一体式注射座，刚性高，结构稳定，控制更精准。

Integrated injection unit, high rigidity, stable structure, more precise control.

线性导轨，低阻尼，压力检测更灵敏，压力控制更精准。

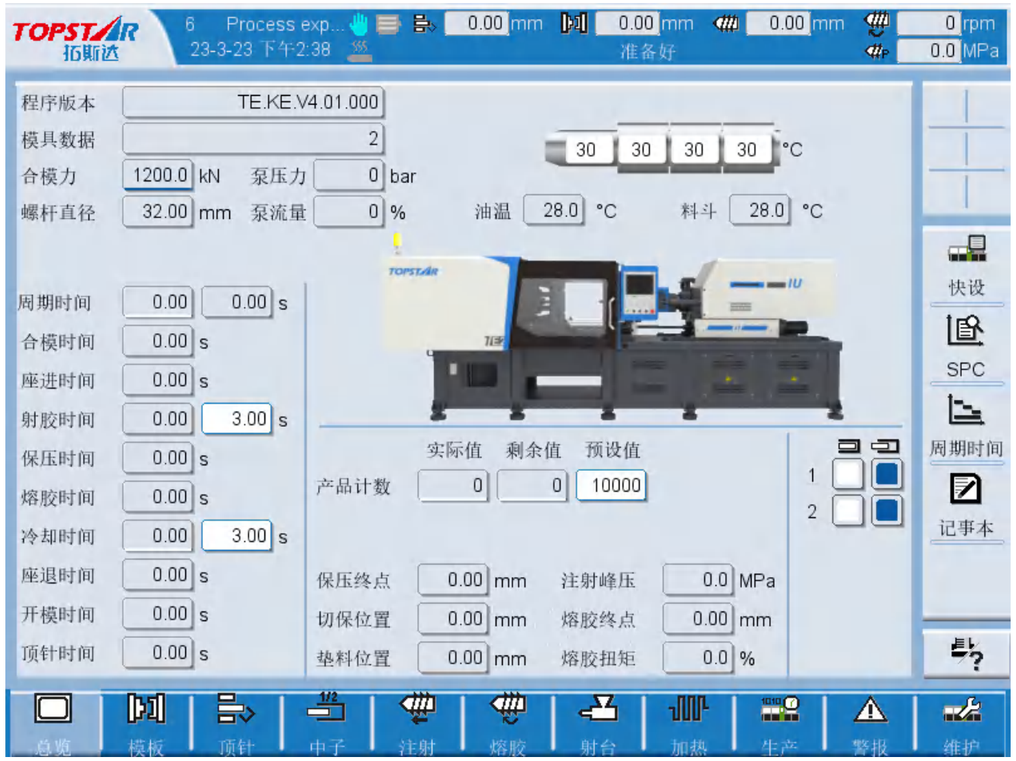
Linear guide rail, low damping, more sensitive pressure detection, more accurate pressure control.



Topstar User Interface
TUI人性化交互页面

- 人性化设计，操作更便捷；
- 功能更简洁、布局更合理。

- Humanized design, more convenient operation;
- More concise functions and more reasonable layout.



TE Ⅱ 90

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 90
锁模力 Clamping Force	kN	900
开模行程 Mold Opening Stroke	mm	320
容模量 Mold Height	mm	150–410
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	420×420
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	290×290
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	24.5
顶出行程 Ejector Stroke	mm	80

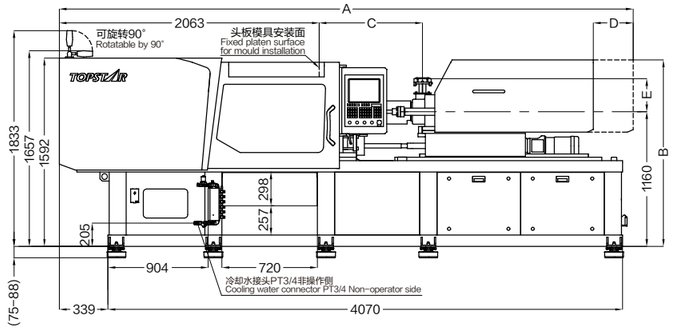
注塑单元 Injection unit		单位 Unit	IU130 / IU130h / IU130hs			IU150 / IU150h / IU150hs				IU210 / IU210h / IU210hs			
			A	B	C	AA	A	B	C	AA	A	B	C
螺杆直径 Screw Diameter		mm	22	26	30	22	26	28	30	26	28	32	36
长径比 Screw L/D Ratio		/	22	22	19.1	22	21	21	19.6	21	21	21	18.7
注射行程 Injection Stroke		mm	95	110		95	110			115		125	
注射容积 Shot Volume		cm³	36.1	58.4	77.7	36.1	58.4	67.7	77.7	61	70.8	100.5	127.2
注射克重 Shot Weight		g,PS	33.2	53.7	71.4	33.2	53.7	62.2	71.4	56.1	65.1	92.4	117
注射压力 Injection Pressure		MPa	305	220	165	280	255	220	191	300	261	200	158
保压压力 Holding Pressure		MPa	244	176	132	224	204	176	153	240	209	160	126
注射速度 Injection Speed	标配STD	mm/s	200			200				200			
	选配OP		350			350				350			
	选配OP2		500			500				500			
熔胶转速 Screw Speed		rpm	400			400				400			
射嘴接触力 Nozzle Contact Force		kN	26			26				26			
电热功率 Heating Power		kW	6.34	6.99		6.6	7.42	8.56		8.43	9.17	10.79	
机器重量 Machine Weight		t	4.8			4.8				5			

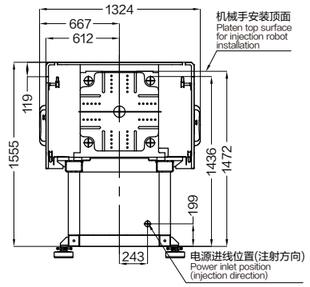
其它 Others	单位 Unit	TE Ⅱ 90
最大系统压力 Pressure	MPa	16
系统流量 Flow	L/min	50
油箱容积 Oil Tank	L	90
料斗容积（选配） Hopper Capacity（OP）	L	50

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.

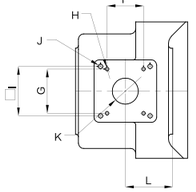
外型尺寸 Overall Dimension

单位/Unit : mm

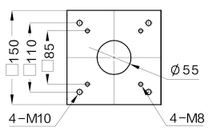




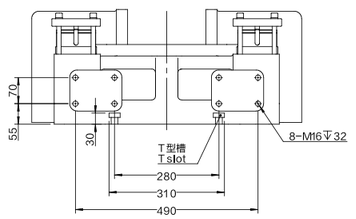
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU130/IU130h/IU130hs	4440	1616	720	320	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU150/IU150h/IU150hs	4450	1616	730	320	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU210/IU210h/IU210hs	4702	1616	818	320	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



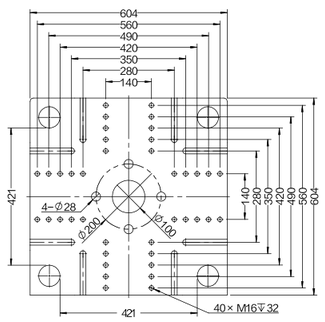
移位料斗安装尺寸
Installation dimension of hopper slider

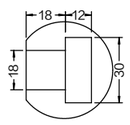


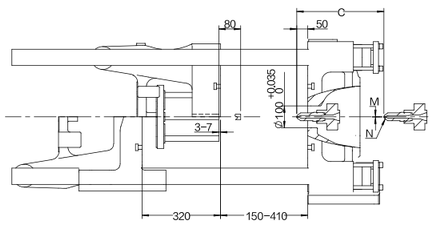
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 120

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 120
锁模力 Clamping Force	kN	1200
开模行程 Mold Opening Stroke	mm	360
容模量 Mold Height	mm	150–480
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	470×470
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	330×330
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	33
顶出行程 Ejector Stroke	mm	100

注塑单元 Injection unit	单位 Unit	IU150 / IU150h / IU150hs				IU210 / IU210h / IU210hs				IU310 / IU310h / IU310hs				IU430 / IU430h / IU430hs			
		AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C
螺杆直径 Screw Diameter	mm	22	26	28	30	26	28	32	36	30	32	36	40	32	36	40	45
长径比 Screw L/D Ratio	/	22	21	21	19.6	21	21	21	18.7	21	22.5	20	18.9	22	22.5	20.3	18.7
注射行程 Injection Stroke	mm	95	110			115	125			150				150	170		
注射容积 Shot Volume	cm³	36.1	58.4	67.7	77.7	61	70.8	100.5	127.2	106	120.6	152.6	188.4	120.6	173	213.6	270.3
注射克重 Shot Weight	g,PS	33.2	53.7	62.2	71.4	56.1	65.1	92.4	117	97.5	110.9	140.3	173.3	110.9	159.1	196.5	248.6
注射压力 Injection Pressure	MPa	280	255	220	191	300	261	200	158	288	253	200	162	312	247	200	158
保压压力 Holding Pressure	MPa	224	204	176	153	240	209	160	126	230	202	160	130	250	197	160	126
注射速度 Injection Speed 标配STD	mm/s	200				200				200				200			
注射速度 Injection Speed 选配OP	mm/s	350				350				300				300			
注射速度 Injection Speed 选配OP2	mm/s	500				500				400				400			
熔胶转速 Screw Speed	rpm	400				400				400				400			
射嘴接触力 Nozzle Contact Force	kN	26				26				40				40			
电热功率 Heating Power	kW	6.6	7.42	8.56		8.43	9.17	10.79		9.93	11.44	11.51		13.17	15.47		
机器重量 Machine Weight	t	4.7				5.1				5.6				5.9			

其它 Others	单位 Unit	TE Ⅱ 120
最大系统压力 Pressure	MPa	16
系统流量 Flow	L/min	50
油箱容积 Oil Tank	L	90
料斗容积（选配） Hopper Capacity（OP）	L	50

本公司保留修改技术参数的权力，恕不另行通知。
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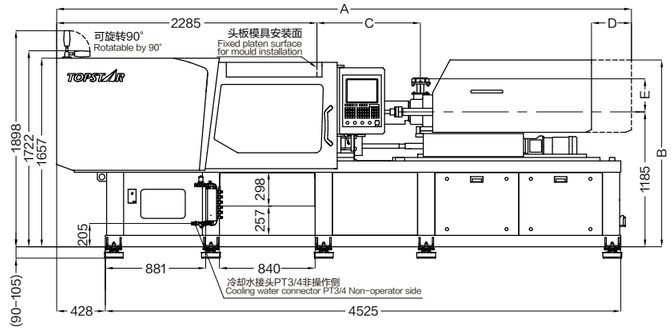
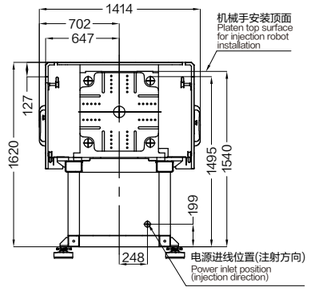
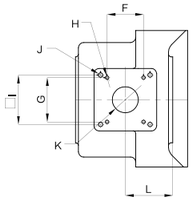
外型尺寸 Overall Dimension

单位/Unit : mm

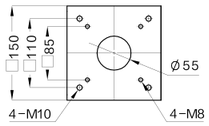




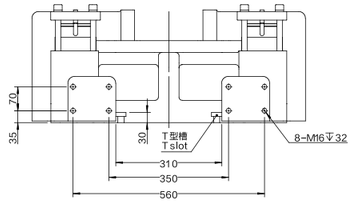
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU150/IU150h/IU150hs	4703	1642	730	350	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU210/IU210h/IU210hs	4955	1642	818	350	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU310/IU310h/IU310hs	5046	1642	909	350	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU430/IU430h/IU430hs	5285	1676	996	350	290	70	85	4xM8↧16	95	4xM10↧20	50	118	Ø3	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



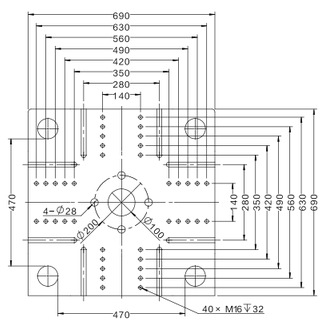
移位料斗安装尺寸
Installation dimension of hopper slider

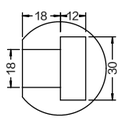


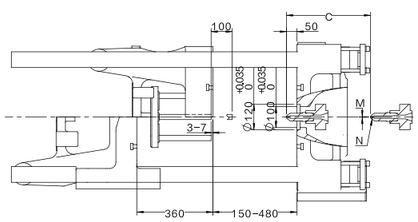
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 160

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 160
锁模力 Clamping Force	kN	1600
开模行程 Mold Opening Stroke	mm	430
容模量 Mold Height	mm	180–520
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	520×520
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	350×350
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	33
顶出行程 Ejector Stroke	mm	125

注塑单元 Injection unit	单位 Unit	IU210 / IU210h / IU210hs				IU310 / IU310h / IU310hs				IU430 / IU430h / IU430hs				IU640 / IU640h / IU640hs			
		AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C
螺杆直径 Screw Diameter	mm	26	28	32	36	30	32	36	40	32	36	40	45	36	40	45	50
长径比 Screw L/D Ratio	/	21	21	21	18.7	21	22.5	20	18.9	22	22.5	20.3	18.7	21	22.5	20	18
注射行程 Injection Stroke	mm	115		125		150				150		170		170		200	
注射容积 Shot Volume	cm³	61	70.8	100.5	127.2	106	120.6	152.6	188.4	120.6	173	213.6	270.3	173	251.3	318	392.6
注射克重 Shot Weight	g,PS	56.1	65.1	92.4	117	97.5	110.9	140.3	173.3	110.9	159.1	196.5	248.6	159.1	231.1	292.5	361.1
注射压力 Injection Pressure	MPa	300	261	200	158	288	253	200	162	312	247	200	158	312	253	200	162
保压压力 Holding Pressure	MPa	240	209	160	126	230	202	160	130	250	197	160	126	250	202	160	130
注射速度 Injection Speed 标配STD	mm/s	200				200				200				160			
注射速度 Injection Speed 选配OP	mm/s	350				300				300				250			
注射速度 Injection Speed 选配OP2	mm/s	500				400				400				350			
熔胶转速 Screw Speed	rpm	400				400				400				350			
射嘴接触力 Nozzle Contact Force	kN	26				40				40				40			
电热功率 Heating Power	kW	8.43	9.17	10.79		9.93	11.44	11.51		13.17	15.47			15.77	17.23	17.83	
机器重量 Machine Weight	t	6.5				6.8				7.2				7.2			

其它 Others	单位 Unit	TE Ⅱ 160
最大系统压力 Pressure	MPa	16
系统流量 Flow	L/min	50
油箱容积 Oil Tank	L	95
料斗容积（选配） Hopper Capacity（OP）	L	50

本公司保留修改技术参数的权力，恕不另行通知。
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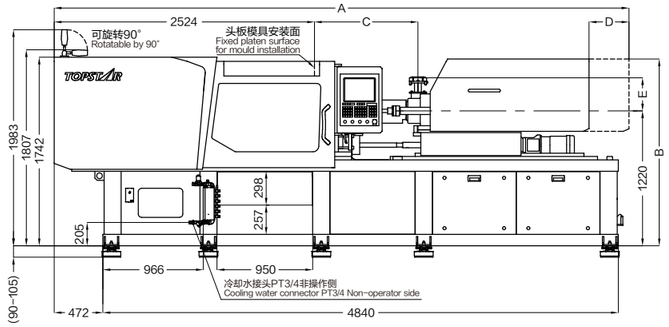
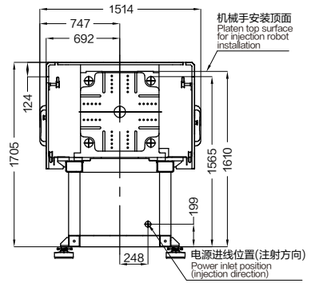
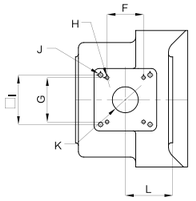
外型尺寸 Overall Dimension

单位/Unit : mm

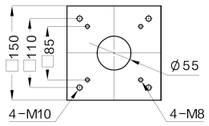




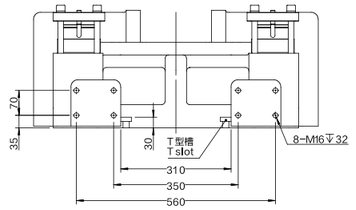
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU210/IU210h/IU210hs	5214	1676	818	370	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU310/IU310h/IU310hs	5305	1676	909	370	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU430/IU430h/IU430hs	5285	1712	996	370	290	70	85	4xM8↧16	95	4xM10↧20	50	118	Ø3	SR10
IU640/IU640h/IU640hs	5813	1725	1072	370	315	70	85	4xM8↧16	95	4xM10↧20	55	143	Ø3	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



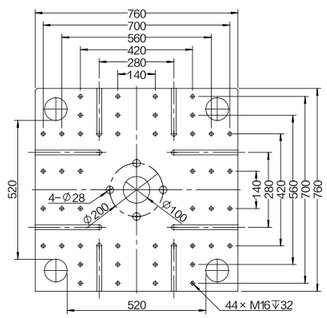
移位料斗安装尺寸
Installation dimension of hopper slider

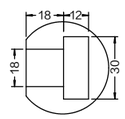


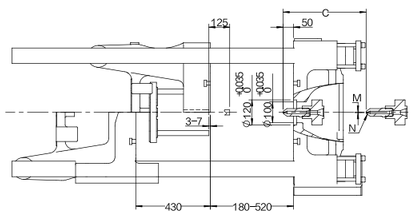
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 200

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 200
锁模力 Clamping Force	kN	2000
开模行程 Mold Opening Stroke	mm	470
容模量 Mold Height	mm	200–550
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	570×570
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	380×380
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	h55 / e44
顶出行程 Ejector Stroke	mm	150

注塑单元 Injection unit	单位 Unit	IU310 / IU310h / IU310hs				IU430 / IU430h / IU430hs				IU640 / IU640h / IU640hs				IU830 / IU830h / IU830hs			
		AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C
螺杆直径 Screw Diameter	mm	30	32	36	40	32	36	40	45	36	40	45	50	40	45	50	55
长径比 Screw L/D Ratio	/	21	22.5	20	18.9	22	22.5	20.3	18.7	21	22.5	20	18	22	22.2	20	18.2
注射行程 Injection Stroke	mm	150				150	170			170	200			200	210		
注射容积 Shot Volume	cm^3	106	120.6	152.6	188.4	120.6	173	213.6	270.3	173	251.3	318	392.6	251.3	333.9	412.3	498.9
注射克重 Shot Weight	g,PS	97.5	110.9	140.3	173.3	110.9	159.1	196.5	248.6	159.1	231.1	292.5	361.1	231.1	307.1	379.3	458.9
注射压力 Injection Pressure	MPa	288	253	200	162	312	247	200	158	312	253	200	162	312	247	200	165
保压压力 Holding Pressure	MPa	230	202	160	130	250	197	160	126	250	202	160	130	250	197	160	132
注射速度 Injection Speed 标配STD	mm/s	200				200				160				160			
注射速度 Injection Speed 选配OP	mm/s	300				300				250				250			
注射速度 Injection Speed 选配OP2	mm/s	400				400				350				350			
熔胶转速 Screw Speed	rpm	400				400				350				320			
射嘴接触力 Nozzle Contact Force	kN	40				40				40				60			
电热功率 Heating Power	kW	9.93	11.44	11.51		13.17	15.47			15.77	17.23	17.83		19.9	21.88	21.03	
机器重量 Machine Weight	t	7.7				8.1				8.5				9.4			

其它 Others	单位 Unit	TE Ⅱ 200
最大系统压力 Pressure	MPa	17.5
系统流量 Flow	L/min	64
油箱容积 Oil Tank	L	110
料斗容积（选配） Hopper Capacity（OP）	L	50

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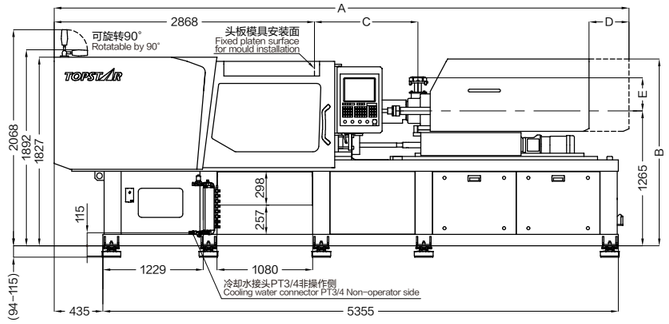
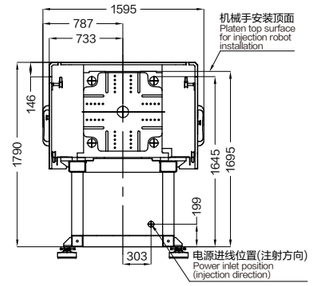
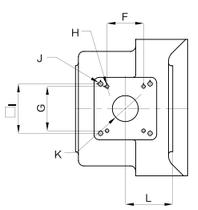
外型尺寸 Overall Dimension

单位/Unit : mm

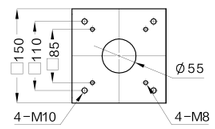




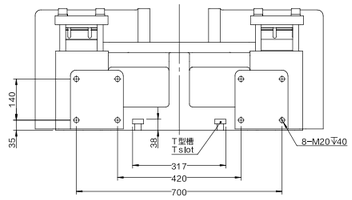
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU310/IU310h/IU310hs	5684	1720	909	405	290	70	85	4xM8↧16	95	4xM10↧20	50	91	Ø2.3	SR10
IU430/IU430h/IU430hs	5285	1755	996	405	290	70	85	4xM8↧16	95	4xM10↧20	50	118	Ø3	SR10
IU640/IU640h/IU640hs	5813	1770	1056	405	315	70	85	4xM8↧16	95	4xM10↧20	55	143	Ø3	SR10
IU830/IU830h/IU830hs	6327	1770	1208	405	315	70	85	4xM8↧16	95	4xM10↧20	55	143	Ø3	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



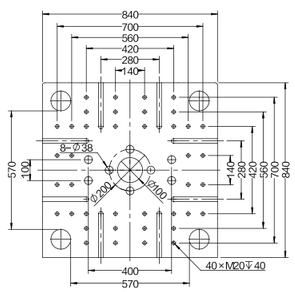
移位料斗安装尺寸
Installation dimension of hopper slider

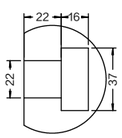


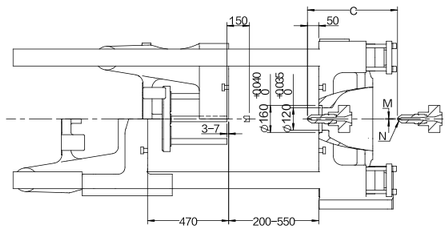
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 240

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 240
锁模力 Clamping Force	kN	2400
开模行程 Mold Opening Stroke	mm	550
容模量 Mold Height	mm	220–600
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	630×630
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	420×420
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	h55 / e49
顶出行程 Ejector Stroke	mm	160

注塑单元 Injection unit		单位 Unit	IU430 / IU430h / IU430hs				IU640 / IU640h / IU640hs				IU830 / IU830h / IU830hs				IU1030 / IU1030h / IU1030hs			
			AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C
螺杆直径 Screw Diameter		mm	32	36	40	45	36	40	45	50	40	45	50	55	45	50	55	60
长径比 Screw L/D Ratio		/	22	22.5	20.3	18.7	21	22.5	20	18	22	22.2	20	18.2	22	22	20	18.3
注射行程 Injection Stroke		mm	150	170			170	200			200	210			210	240		
注射容积 Shot Volume		cm³	120.6	173	213.6	270.3	173	251.3	318	392.6	251.3	333.9	412.3	498.9	333.9	471.2	570.1	678.5
注射克重 Shot Weight		g,PS	110.9	159.1	196.5	248.6	159.1	231.1	292.5	361.1	231.1	307.1	379.3	458.9	307.1	433.5	524.4	624.2
注射压力 Injection Pressure		MPa	312	247	200	158	312	253	200	162	312	247	200	165	260	218	180	151
保压压力 Holding Pressure		MPa	250	197	160	126	250	202	160	130	250	197	160	132	234	196	162	136
注射速度 Injection Speed	标配STD	mm/s	200				160				160				160			
	选配OP		300				250				250				250			
	选配OP2		400				350				350				350			
熔胶转速 Screw Speed		rpm	400				350				320				320			
射嘴接触力 Nozzle Contact Force		kN	40				40				60				60			
电热功率 Heating Power		kW	13.17	15.47			15.77	17.23	17.83		19.9	21.88	21.03		24.74	25.87		
机器重量 Machine Weight		t	10.6				10.82				11				12			

其它 Others	单位 Unit	TE Ⅱ 240
最大系统压力 Pressure	MPa	17.5
系统流量 Flow	L/min	64
油箱容积 Oil Tank	L	110
料斗容积（选配） Hopper Capacity（OP）	L	50

本公司保留修改技术参数的权力，恕不另行通知。
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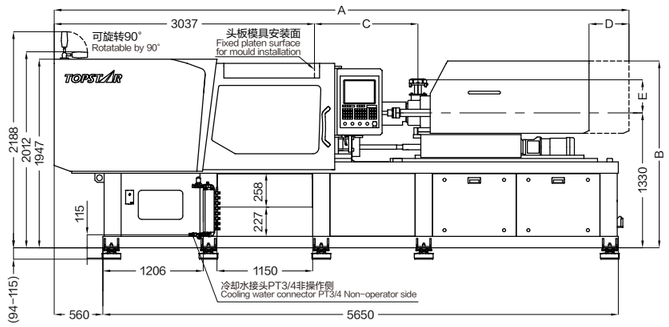
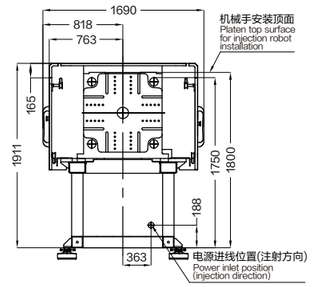
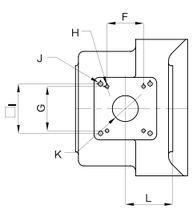
外型尺寸 Overall Dimension

单位/Unit : mm

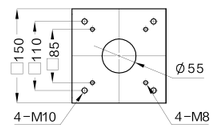




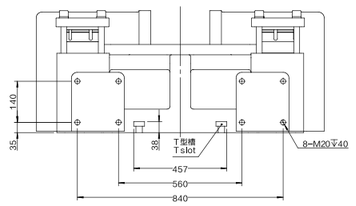
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU430/IU430h/IU430hs	5285	1820	996	425	290	70	85	4xM8↧16	95	4xM10↧20	50	118	Ø3	SR10
IU640/IU640h/IU640hs	5813	1835	1056	425	315	70	85	4xM8↧16	95	4xM10↧20	55	143	Ø3	SR10
IU830/IU830h/IU830hs	6327	1835	1188	425	315	70	85	4xM8↧16	95	4xM10↧20	55	143	Ø3	SR10
IU1030/IU1030h/IU1030hs	6817	1845	1317	425	325	70	85	4xM8↧16	95	4xM10↧20	60	174	Ø3	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



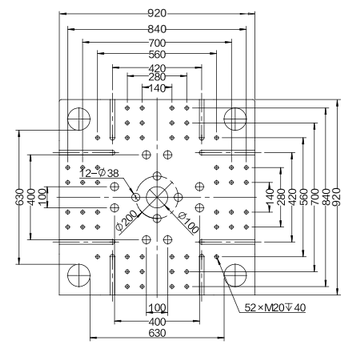
移位料斗安装尺寸
Installation dimension of hopper slider

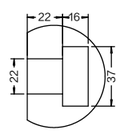


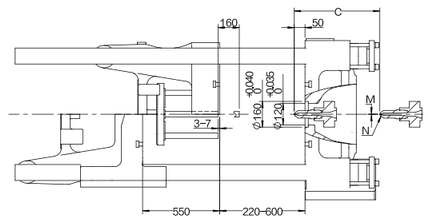
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 300

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 300
锁模力 Clamping Force	kN	3000
开模行程 Mold Opening Stroke	mm	600
容模量 Mold Height	mm	280–650
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	730×730
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	480×480
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	h55 / e58.8
顶出行程 Ejector Stroke	mm	160

注塑单元 Injection unit	单位 Unit	IU830 / IU830h / IU830hs				IU1030 / IU1030h / IU1030hs				IU1330 / IU1330h / IU1330hs				IU1680 / IU1680h / IU1680hs			
		AA	A	B	C	AA	A	B	C	AA	A	B	C	AA	A	B	C
螺杆直径 Screw Diameter	mm	40	45	50	55	45	50	55	60	50	55	60	65	55	60	65	70
长径比 Screw L/D Ratio	/	22	22.2	20	18.2	22	22	20	18.3	22	21.8	20	18.5	22	21.7	20	18.6
注射行程 Injection Stroke	mm	200	210			210	240			240	260			260	280		
注射容积 Shot Volume	cm³	251.3	333.9	412.3	498.9	333.9	471.2	570.1	678.5	471.2	617.7	735.1	862.7	617.7	791.6	929.1	1077.5
注射克重 Shot Weight	g,PS	231.1	307.1	379.3	458.9	307.1	433.5	524.4	624.2	433.5	568.2	676.2	793.6	568.2	728.2	854.7	991.3
注射压力 Injection Pressure	MPa	312	247	200	165	260	218	180	151	255	214	180	153	250	211	180	155
保压压力 Holding Pressure	MPa	250	197	160	132	234	196	162	136	230	192	162	137	225	190	162	140
注射速度 Injection Speed 标配STD	mm/s	160				160				160				160			
注射速度 Injection Speed 选配OP	mm/s	250				250				250				250			
注射速度 Injection Speed 选配OP2	mm/s	350				350				350				350			
熔胶转速 Screw Speed	rpm	320				320				300				250			
射嘴接触力 Nozzle Contact Force	kN	60				60				60				60			
电热功率 Heating Power	kW	19.9	21.88	21.03		24.74	25.87			25.74	30			30	34.1		
机器重量 Machine Weight	t	13.3				13.8				14.9				15.1			

其它 Others	单位 Unit	TE Ⅱ 300
最大系统压力 Pressure	MPa	17.5
系统流量 Flow	L/min	64
油箱容积 Oil Tank	L	130
料斗容积（选配） Hopper Capacity（OP）	L	50

本公司保留修改技术参数的权力，恕不另行通知。
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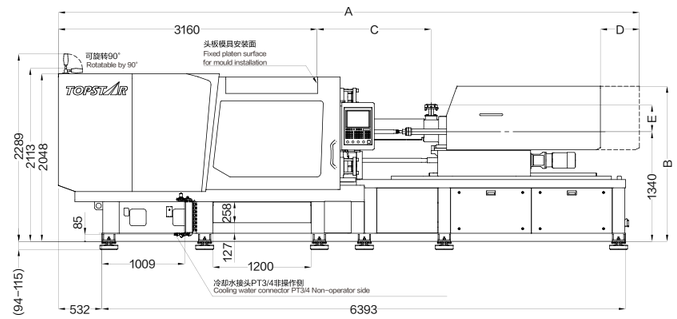
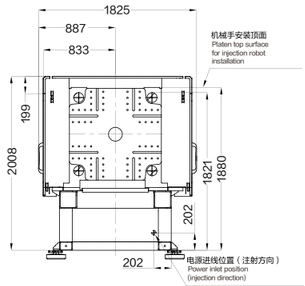
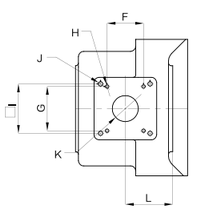
外型尺寸 Overall Dimension

单位/Unit : mm

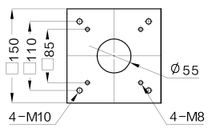




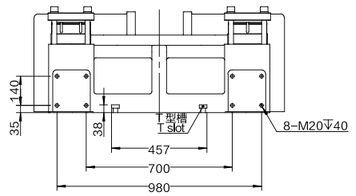
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU830/IU830h/IU830hs	6651	1846	1188	475	316	70	85	4xM8↧16	95	4xM10↧20	55	118	Ø3	SR10
IU1030/IU1030h/IU1030hs	6972	1856	1318	475	326	70	85	4xM8↧16	95	4xM10↧20	60	174	Ø3	SR10
IU1330/IU1330h/IU1330hs	7095	1896	1395	475	326	85	85	4xM8↧16	115	4xM10↧20	68	179	Ø3.5	SR10
IU1680/IU1680h/IU1680hs	7455	7455	1532	475	398	95	95	4xM8↧16	115	4xM10↧20	80	190	Ø3.5	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



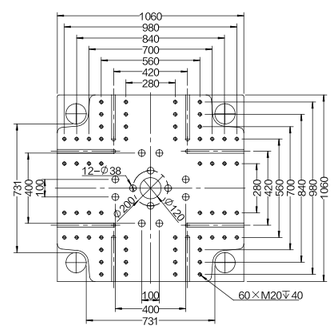
移位料斗安装尺寸
Installation dimension of hopper slider

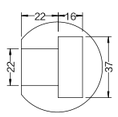


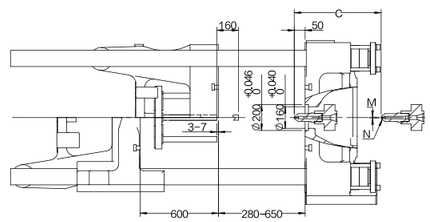
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 360

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 360
锁模力 Clamping Force	kN	3600
开模行程 Mold Opening Stroke	mm	730
容模量 Mold Height	mm	320–710
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	820×820
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	550×550
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	h98 / e58.8
顶出行程 Ejector Stroke	mm	200

注塑单元 Injection unit		单位 Unit	IU1030/IU1030h/IU1030hs				IU1330/IU1330h/IU1330hs				IU1680/IU1680h/IU1680hs				IU2220		
			AA	A	B	C	AA	A	B	C	AA	A	B	C	A	B	C
螺杆直径 Screw Diameter		mm	45	50	55	60	50	55	60	65	55	60	65	70	65	70	75
长径比 Screw L/D Ratio		/	22	22	20	18.3	22	21.8	20	18.5	22	21.7	20	18.6	22	20	20
注射行程 Injection Stroke		mm	210	240			240	260			260	280			320		
注射容积 Shot Volume		cm³	333.9	471.2	570.1	678.5	471.2	617.7	735.1	862.7	617.7	791.6	929.1	1077.5	1061.8	1231.5	1413.7
注射克重 Shot Weight		g,PS	307.1	433.5	524.4	624.2	433.5	568.2	676.2	793.6	568.2	728.2	854.7	991.3	976.8	1132.9	1300.6
注射压力 Injection Pressure		MPa	260	218	180	151	255	214	180	153	250	211	180	155	209	180	156
保压压力 Holding Pressure		MPa	234	196	162	136	230	192	162	137	225	190	162	140	188	162	140
注射速度 Injection Speed	标配STD	mm/s	160				160				160				160		
	选配OP		250				250				250				/		
	选配OP2		350				350				350				/		
熔胶转速 Screw Speed		rpm	320				300				250				210		
射嘴接触力 Nozzle Contact Force		kN	60				60				60				85		
电热功率 Heating Power		kW	24.74	25.87			25.74	30			30	34.1			37.8		
机器重量 Machine Weight		t	16.6				17.9				18.9				20.5		

其它 Others	单位 Unit	TE Ⅱ 360
最大系统压力 Pressure	MPa	17.5
系统流量 Flow	L/min	126
油箱容积 Oil Tank	L	184
料斗容积（选配） Hopper Capacity（OP）	L	50

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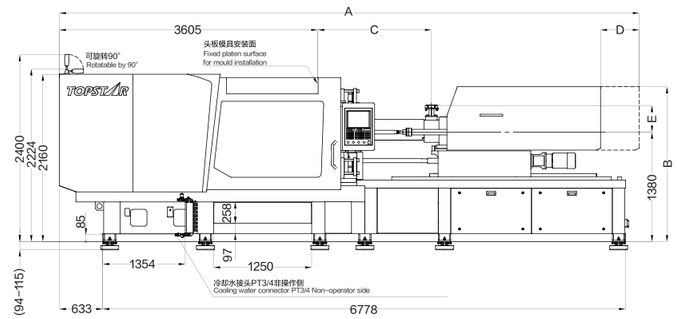
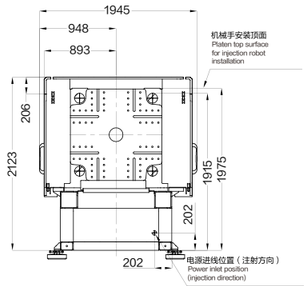
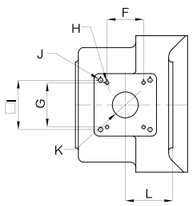
外型尺寸 Overall Dimension

单位/Unit : mm

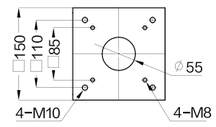




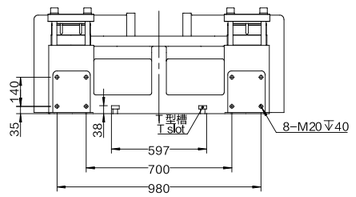
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU1030/IU1030h/IU1030hs	7479	1896	1318	518	326	70	85	4xM8↧16	95	4xM10↧20	60	174	Ø3	SR10
IU1330/IU1330h/IU1330hs	7586	1936	1395	518	326	85	85	4xM8↧16	115	4xM10↧20	68	179	Ø3.5	SR10
IU1680/IU1680h/IU1680hs	7944	2002	1532	518	398	95	95	4xM8↧16	115	4xM10↧20	80	190	Ø3.5	SR10
IU2220	7910	2120	1498	518	301	85	95	4xM8↧16	115	4xM10↧20	80	/	Ø3.5	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



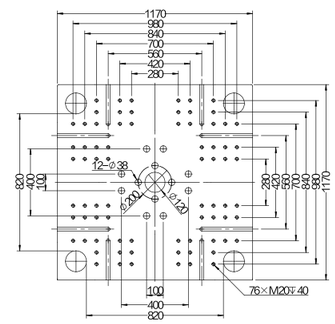
移位料斗安装尺寸
Installation dimension of hopper slider

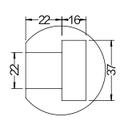


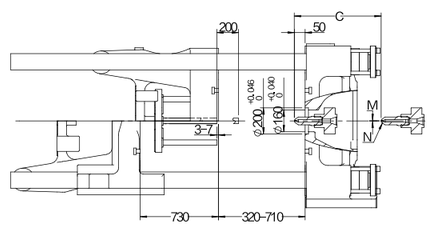
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







TE Ⅱ 460

产品参数 Product Parameters

锁模机构 Clamping Unit	单位 Unit	TE Ⅱ 460
锁模力 Clamping Force	kN	4600
开模行程 Mold Opening Stroke	mm	790
容模量 Mold Height	mm	330–810
哥林柱间距（宽*高） Distance Between Tie Bars(W*H)	mm	910×910
最小模具尺寸（宽*高） Min. Mold Dimension(W*H)	mm	590×590
顶出力（液压|电动） Ejector Force(Hydraulic | electric)	kN	h98 / e98
顶出行程 Ejector Stroke	mm	200

注塑单元 Injection unit		单位 Unit	IU1330/IU1330h/IU1330hs				IU1680/IU1680h/IU1680hs				IU2220			IU3260		
			AA	A	B	C	AA	A	B	C	A	B	C	A	B	C
螺杆直径 Screw Diameter		mm	50	55	60	65	55	60	65	70	65	70	75	75	80	85
长径比 Screw L/D Ratio		/	22	21.8	20	18.5	22	21.7	20	18.6	22	20	20	21.8	20	20
注射行程 Injection Stroke		mm	240	260			260	280			320			360		
注射容积 Shot Volume		cm³	471.2	617.7	735.1	862.7	617.7	791.6	929.1	1077.5	1061.8	1231.5	1413.7	1590.4	1809.5	2042.8
注射克重 Shot Weight		g,PS	433.5	568.2	676.2	793.6	568.2	728.2	854.7	991.3	976.8	1132.9	1300.6	1463.1	1664.7	1879.3
注射压力 Injection Pressure		MPa	255	214	180	153	250	211	180	155	209	180	156	205	180	159
保压压力 Holding Pressure		MPa	230	192	162	137	225	190	162	140	188	162	140	185	162	143
注射速度 Injection Speed	标配STD	mm/s	160				160				160			160		
	选配OP		250				250				/			/		
	选配OP2		350				350				/			/		
熔胶转速 Screw Speed		rpm	300				250				210			185		
射嘴接触力 Nozzle Contact Force		kN	60				60				85			85		
电热功率 Heating Power		kW	25.74	30			30	34.1			37.8			51.85		
机器重量 Machine Weight		t	26.9				27.2				27.8			30		

其它 Others	单位 Unit	TE Ⅱ 460
最大系统压力 Pressure	MPa	17.5
系统流量 Flow	L/min	126
油箱容积 Oil Tank	L	184
料斗容积（选配） Hopper Capacity（OP）	L	50

本公司保留修改技术参数的权力，恕不另行通知。
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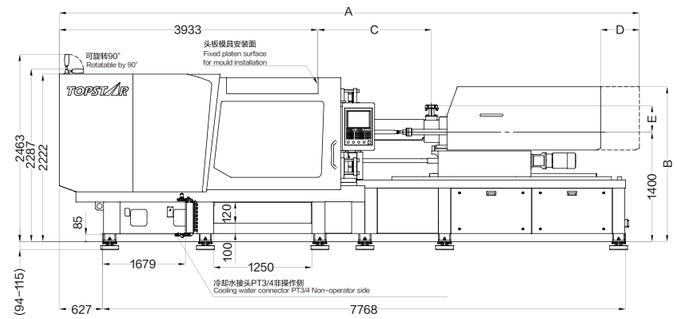
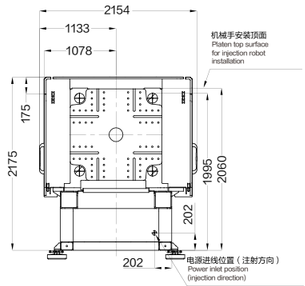
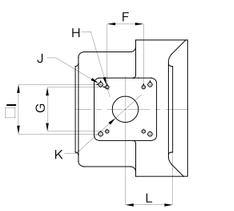
外型尺寸 Overall Dimension

单位/Unit : mm

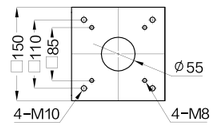




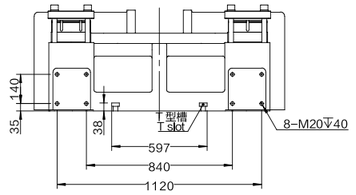
	A	B	C	D	E	F	G	H	I	J	K	L	M	N
IU1330/IU1330h/IU1330hs	7960	1955	1395	565	326	85	85	4xM8↧16	115	4xM10↧20	68	179	Ø3.5	SR10
IU1680/IU1680h/IU1680hs	8326	2022	1538	565	398	95	95	4xM8↧16	115	4xM10↧20	80	190	Ø3.5	SR10
IU2220	8296	2233	1489	565	301	85	85	4xM8↧16	115	4xM10↧20	80	/	Ø3.5	SR10
IU3260	8867	2244	1893	565	311	85	85	4xM8↧16	115	4xM10↧20	80	/	Ø3.5	SR10



下料口铸件安装尺寸
Installation dimension of material inlet casting



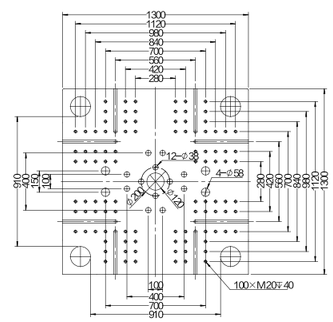
移位料斗安装尺寸
Installation dimension of hopper slider

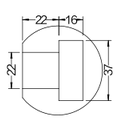


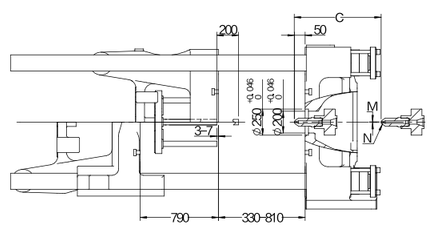
机械手安装孔位
Robot installation dimension

锁模尺寸 Clamping Size

单位/Unit : mm







Configuration Table of Standard Series
标准系列配置表

控制及功能 Control&Functions		
12寸触摸屏	12 inch touch screen	●
2组USB标准读写口	2 USB interface	●
打印机连接口	Printer interface	●
500条模具成型数据存储	500 mold datas	●
200模次实际成型数据PDP显示(可实现记录至U盘)	200 times of actual molding data PDP display (can be recorded to USB)	●
多国语言切换（中、英）	Multi-languages	●
国际单位切换（公制、英制）	SI unit switching (metric, imperial)	●
警报记录	Alarming history	●
操作履历记录	Operation history	●
I/O交换功能	I/O switching function	●
注射压缩功能	Injection compression function	●
成型周期监视功能	Molding cycle monitoring function	●
生产管理功能	Production management function	●
SPC质量监控功能	SPC Quality monitoring function	●
开锁模、顶针曲线功能	Mold clamp/open, ejector curve function	●
注塑成型速度压力曲线实时显示功能	Real-time display function of injection molding speed and pressure curve	●
紧急停止功能	Emergency stop	●
警报峰鸣器	Alarm buzzer	●
三色警报灯（红、黄、绿）	Tri-color warning light (red, yellow, green)	●
机械手接线电气回路	Robot interface	●
电源插座(3PH/380V,32A×2,16A×1,1PH/220V,10A×1)	Power outlet（3PH/380V，32A×2，16A×1，1PH/220V,10A×1）	●
集中润滑系统	Centralized lubricate system	●

其他 Other		
拓斯达TE电动注塑机标准外观、色彩	Topstar TE standard color	●
安全装置符合GB/22530-2010	Safety standard apply to GB/22530-2010	●
供电电源：AC380V,3PH+N+PE	Power supply:AC380V,3PH+N+PE	●
可调防震垫脚	Adjustable level pad	●
料斗过渡滑块装置	Hooper slider	●
常用工具箱、备件	Tool box, regular spare parts	●
随机文件	Operation manual	●
料斗 50L/100L	Hopper 50L/100L	○

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

注：
1、TE Ⅱ系列标准机型配置为液压射移、液压顶针、液压调模、配置1组抽芯阀组、动板硬轨滑脚；
2、在标准机型上，顶针、调模、射移，可分别选配电动动力，动板滑脚可选配线轨；
3、TE Ⅱ系列可通过选配组成全电机型，此时将不再配置液压部分（无液压抽芯阀组），并自动配置动板线轨。

Note:
1.The standard models of TE II series are equipped with hydraulic carriage moving, hydraulic ejector, hydraulic mold adjustment, 1 set of core-pulling device, and moving plate with hard rail sliding foot;
2.Electric ejector,mold adjust,carriage moving and linear guider for moving platen can be optional.
3.The TE II series can be configured to be an all-electric type with options. At this time, the hydraulic part (no hydraulic core-pulling valve group) will no longer be configured, and the moving plate with linear guider will be automatically configured.

锁模装置 Clamping Unit		
五点式内翻式曲肘机构	Five-point inversion toggle mechanism	●
自动调模功能	Automatic mold adjustment function	●
5段开合模速度控制	5 stages mold opening and clamping speed control	●
低压模保功能	Low pressure mold protection function	●
合模力高压泄压功能	High pressure clamping force relief function	●
模板（T型槽+码模孔）	T slot platen+clamping holes	●
模具定位环	Locating ring	●
欧规18机械手安装螺纹孔	EUROMAP 18 manipulator installation threaded hole	●
液压调模	Hydraulic mold height adjustment	●
电动调模（选配）	Electric mold height adjustment(Optional)	○
液压顶针	Hydraulic ejector	●
电动顶针（选配）	Electric ejector (Optional)	○
动板硬轨滑脚	Hard rail slider for moving platen	●
动板线轨滑脚（选配）	Linear guider for moving platen(Optional)	○
3段顶针速度、压力控制	3 stages ejector speed, pressure control	●
强制顶针结构	Forced ejector structure	●
多种顶出功能	Multi ejection function	●
同步顶针功能	Ejector parallel function	●
模内顶出功能	In-mold ejection function	●
顶退确认信号	Confirmation signal for ejector back	●
针阀/浇口功能（四组，不含阀）	Needle valve/gate function (four zones, without valve)	●
抽芯绞牙功能（二组，不含阀）	Core/unscrew function (2 zones,without valve)	●
吹气功能（四组，不含阀）	Air blowing function (4 zones,without valve)	●

塑化、注射装置 Plasticizing/injection Unit		
开放式射嘴	Open type nozzle	●
5段射出控制(压力、速度、位置)	5 stages injection control (pressure, speed, position)	●
5段保压控制(压力、速度、时间)	5 stages pressure holding control (pressure, speed, time)	●
5段熔胶控制(背压、速度、位置)	5 stages plasticizing control (back pressure, speed, position)	●
熔胶前、后松退控制	Release control before and after plasticizing	●
自动清料功能	Automatic purging function	●
多种保压切换方式	Variety of pressure-holding switching	●
成型温度PID控制	Molding temperature PID control	●
保温功能	Warm keeping function	●
同步升温功能	Synchronized heating function	●
预约升温功能	Heating reservation function	●
树脂滞留防止功能	Resin retention prevention function	●
螺杆冷启动防止功能	Screw cold start prevention function	●
液压射移	Hydraulic carriage moving	●
电动射移（全电机型配置）	Electric carriage moving(For full electric machine only)	○
射嘴接触力设定	Nozzle contact force setting	●
射嘴中心调节装置	Nozzle center adjustment device	●
射台旋转装置	Rotating Carriage	○

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

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;

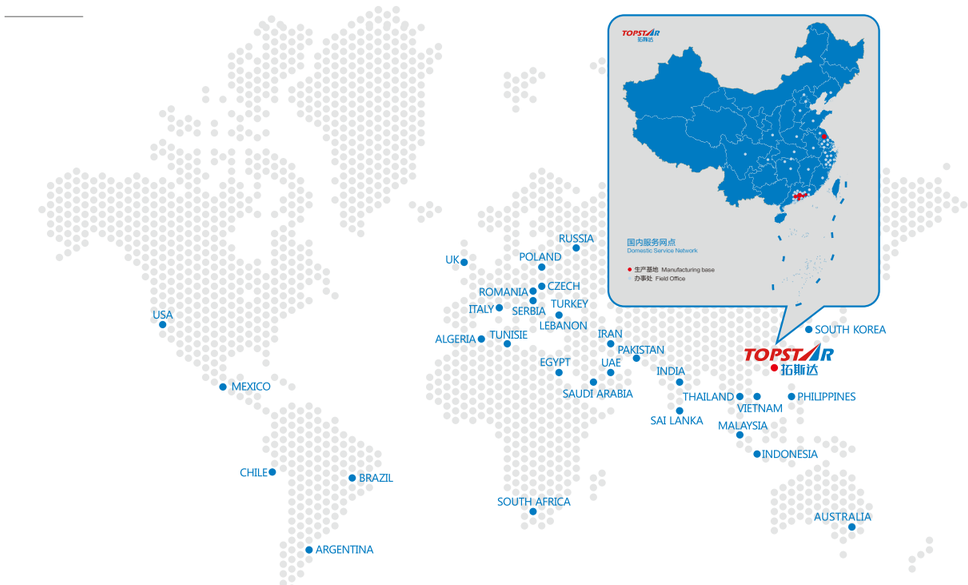
快速验收

快速完成服务项目验收。

Fast Acceptance

Quickly complete the service project acceptance.

Global Service Network
全球服务网点



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正崴集团 · 卫龙 · 长盈精密 · 三一重工 · 精研科技 · 新宝电器