

"筌筌" 压铸机

TSUENSAINT SERIES DIE-CASTING MACHINE



**EUROPEAN STYLE**  
INJECTION MOLDING MACHINE

融合 创新 超越  
Integration, Creation, Transcendence

"筌筌" 高精冲床

TSUENSAINT SERIES HIGH PRECISION PRESS MACHINE



**NINGBO TSUENSAINT TECHNOLOGY DEVELOPMENT CO.,LTD.**  
宁波筌筌科技发展有限公司

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## TSUENSAINT 公司简介

宁波荃笙科技发展有限公司，位于宁波市北仑区，是一家长期专业从事高精注塑机制造的公司。我们推出了一系列合模力从90吨到3000吨的注塑机产品，涵盖了市场上20多种规格引领市场的各种应用型注塑机，为各行各业的应用提供了多样化的选择。

作为专注于注塑机领域的企业，我们拥有一支经验丰富的团队，致力于技术研发和制造工艺的不断创新。我们的产品采用了先进的技术设计和制造装备，确保其性能卓越可靠。我们以顾客的需求为导向，为其提供量身定制的解决方案，并在快速响应和高效生产方面拥有优势。

宁波荃笙科技发展有限公司凭借其在技术实力和制造能力方面的雄厚基础，我们与欧洲的合作伙伴合作，汇集了先进的产品技术，以“荃笙科技”品牌推出了多款出口型高端特种注塑机，深受国内外客户的信赖和青睐。

我们坚持国际先进技术和持续创新的理念，致力于为客户提供卓越的产品和优质的服务。宁波荃笙科技发展有限公司愿与广大客户携手合作，共同发展，共创美好未来。

### Brief Introduction

NINGBO TSUENSAINT TECHNOLOGY DEVELOPMENT CO.,LTD. located in Beilun Ningbo, is a long-established company specializing in the manufacturing of high-precision injection molding machines. We have introduced a series of injection molding machines with clamping forces ranging from 90-3000 Tons, covering more than 20 different types that lead the market in various applications and provide diverse choices for applications in various industries.

As a company specializing in the field of injection molding machines, we have an experienced team committed to continuous technological research and innovative manufacturing technology. Our products are designed and manufactured using advanced technology and equipment, ensuring outstanding performance and reliability. We prioritize customer requirements and provide tailored solutions, while excelling in rapid response and efficient production.

NINGBO TSUENSAINT TECHNOLOGY DEVELOPMENT CO.,LTD. relies on its strong foundation in technical strength and manufacturing capabilities. We have collaborated with our European partners to gather advanced product technology and launched multiple export oriented high-end special injection molding machines under the "TSUENSAINT Technology" brand, which is highly trusted and favored by domestic and foreign customers.

We adhere to the principles of international advanced technology and continuous innovation, striving to deliver excellent products and quality services to our customers. TSUENSAINT is dedicated to cooperating with our esteemed clients, jointly pursuing development and creating a bright future together.

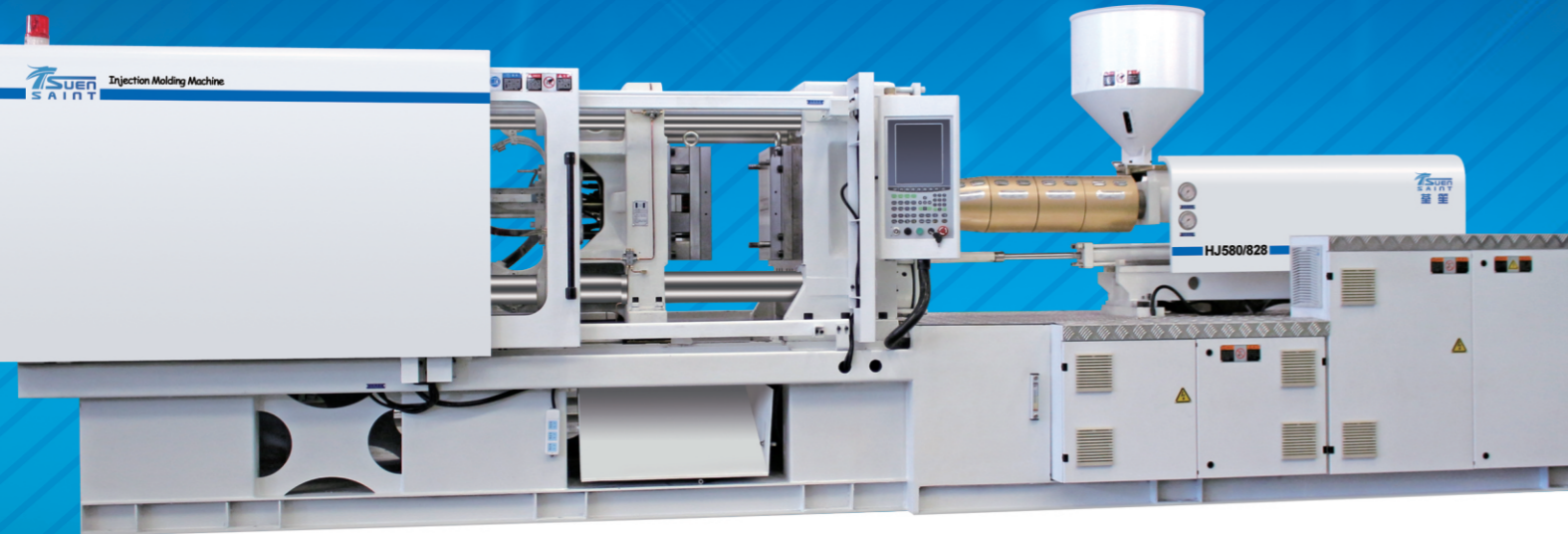
## 智能制造步入示范 Enter the Age of Intelligent Manufacturing





# NYLON STRAP

special application  
injection molding machine

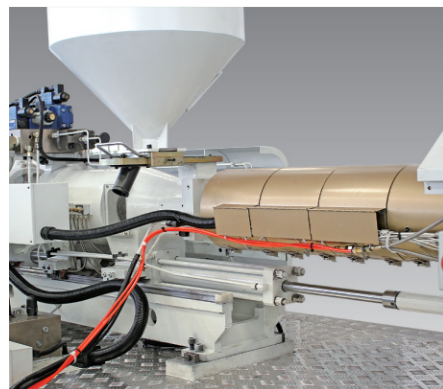


## 规格参数

Technical parameters

国际标准型号	INTERNATIONAL CLASS NO.	360/600		450/828		520/828		580/828		
规格	SPECIFICATION	HJ360ZD		HJ450ZD		HJ520ZD		HJ580ZD		
螺杆型式	Screw type	A	B	A	B	A	B	A	B	
<b>注射装置 Injection Unit</b>										
螺杆直径	Screw diameter	mm	50	55	55	60	55	60	60	65
螺杆长径比	Screw L/D ratio	L/D	26.4	24	27	24.8	27	24.8	27	24.9
理论注射容量	Shot volume (theoretical)	CM <sup>3</sup>	441	534	593	706	593	706	700	822
注射重量(ps)	Injection weight (PS)	g	401	486	540	642	540	642	637	748
注射速度	Injection speed	mm/s	320		400		400		440	
注射速率	Injection rate	g/s	574	695	865	1029	865	1029	1132	1329
注射压力	Injection pressure	Mpa	147	121	148	124	148	124	135	115
螺杆转速	Screw speed	rpm	350		350		350		350	
<b>合模装置 Clamping Unit</b>										
合模力	Clamping force	KN	3500		4200		4700		5400	
移模行程	Open stroke	mm	570		650		705		730	
拉杆内间距(宽×高)	Space between tie-bars(W*H)	mm	620×570		655×605		685×660		730×675	
最大模厚	Max. mould height	mm	600		670		670		750	
最小模厚	Min. mould height	mm	220		250		250		300	
顶出行程	Ejector stroke	mm	100		100		100		100	
顶出力	Ejector force	KN	70		70		70		70	
<b>其它 Others</b>										
最大油泵压力	Pump max. pressure	Mpa	17.5		17.5		17.5		17.5	
电机功率(伺服)	Pump motor power (servo)	KW	51		40+40		40+40		51+40	
电热功率	Heating power	KW	20		23		23		27	
加热段数	Numbers of heating area	Segment	3+1		3+1		3+1		3+1	
外形尺寸(长×宽×高)	Machine dimension (L*W*H)	M	6.54×1.72×2.35		7.6×1.79×2.36		7.8×1.95×2.45		8.2×1.95×2.45	
油箱容积	Oil tank cubage	L	600		800		850		1100	
机器重量	Machine weight	TON	12		14.2		16.8		22.5	

## 射出系统 INJECTION UNIT



- 采用高效精准单缸射出系统
- 配置精密气动自锁射嘴
- 配置PA专用螺杆料筒组，下料快，塑化好，温度准确，特殊排气排水设计
- 加大油路设计，响应敏捷，快速成型
- 配置纳米远红外加热装置，升温迅速，保温节能，进一步提升塑化品质
- High efficient and accurate single cylinder injection system
- High precision pneumatic self-locking nozzle
- Screw and barrel assembly is specially made for PA material with fast feeding, good plasticizing and accurate temperature as well as special design for venting and draining
- Increased oil circuit design, which is high response and can meet the fast molding requirement
- Nano far infrared heating device ensures a rapid heat up time and heat preservation as well as energy saving, which can further improve the plasticizing quality

## 锁模系统 CLAMPING UNIT



- 采用特殊设计之长方形加强型模板，高刚性，大幅提高模块抗疲劳强度，动作平稳
- 钢套和铜套均采用自润滑设计，减少润滑油用量，保证高速运行时销轴和拉杆的良好润滑
- 专用氮化销轴，并加大销轴尺寸，大幅减少销轴应力
- Special design of rectangle strengthened mold platen with high rigidity, which can greatly increase fatigue resistance of the mold platen and ensure smooth movement
- Both steel bushing and copper bushing are with self-lubrication design, and it can reduce lubrication oil consumption, and ensure axis pin and tie bar have good lubrication during high speed movement
- Specialized nitrided pin with increased size, which can largely reduce stress