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U218-450TSH
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U-TSH系列单缸高速机 (电熔胶)

U-TSH Series Single Cylinder High Speed Machine (Electric Feeding System)

工信部工业机械示范品牌



浙江首力智能装备有限公司

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2020.09版

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ZHEJIANG SONLY INTELLIGENT EQUIPMENT CO.,LTD



公众号二维码



网站二维码

企业概况 Company profile

首力是专业提供塑料成型整体解决方案的高新技术企业，公司创建于1998年，位于“中国注塑机之都”宁波，集研发、制造、加工、检测、应用于一体，年生产能力达到5000台。

首力拥有6万平米现代化生产基地，各类大型先进精密加工和检测设备300余台套，拥有一批高素质、高学历的技术研发和管理团队、与知名高校联合建立研究生培养基地。

首力是工信部机械品牌示范企业，通过CE、ISO9001质量体系认证，已累计授权专利27项，拥有品类齐全的首力U-TS系列高档精密注塑机、伺服注塑机、PET瓶胚、PP-R管件专用、水果筐、双色、二板大型、全电动注塑机等多系列规格，涵盖了锁模力50吨-3400吨的全系列产品，在国内建立40多家销售网点，产品远销中东、南美、东南亚、独联体等国家和地区。

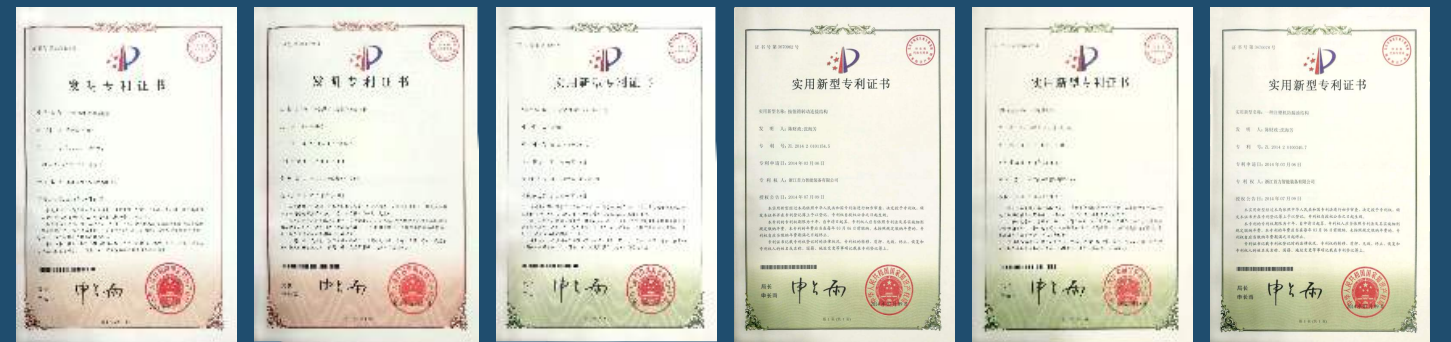
SONLY is a high technical company which established in 1998, professional at offering turnkey plastic injection project solution. SONLY factory located in Ningbo, "the city of injection molding machine". It has a whole production line including research & study, manufacturing, processing, inspection and application, with production capacity of 5000 sets each year. SONLY has a modern production workshop of 60000 square meters, different kinds of big advanced precision equipment of more than 300 sets, a group of highly educated research team and management team. SONLY injection molding machine has CE, ISO 9001 certificates and 27 patents. It produces injection machine from 50 to 3400 tons, includes SONLY U-TS series high precision injection molding machine, servo motor injection molding machine, PET preform machine, PPR special series machine, fruit box special series machine, double color machine, two plate machine, full electric injection machine etc., which has been sold to Europe, Middle East, South America and Africa.



设备 生产 / 检测 EQUIPMENT \ INSPECTION



专利证书 THE PATENT CERTIFICATE



U-TSH系列单缸高速机(电熔胶)

U-TSH series single cylinder high speed machine (Electric Feeding System)



单缸高速机(电熔胶)相关专利

Single cylinder high speed machine (Electric feeding system) Related patent

- 发明专利名称：一种注塑机油缸退回驱动机构
patent name:a Return Drive structure of injection molding machine cylinder
- 专利号：ZL 2014 1 0079859.6
Patent number:ZL 2014 1 0079858.6
- 发明专利名称：一种注塑机防漏油结构
Patent name:a Oil leakage prevention structure of injection molding machine
- 专利号：ZL 2014 1 0081089.9
Patent number:ZL 2014 1 0081089.9

产品适用范围

The scope of products

单缸电熔胶高速机专门针对薄壁、高精度的产品，如手机壳、航空杯、导光板、包装盒等。

Single cylinder electric feeding system high speed injection molding machine Specially designed for thin-walled, high-precision products, such as Mobile phone case, aviation cup, light guide plate, packaging box, etc.



注射单元 Injection unit

单缸注射 Single Cylinder Injection

- 采用自主研发的单缸射胶机构（有发明专利），解决了市场上单缸漏油现象，提高注射精度和注射同步性。
Our patented single cylinder injection structure not only solved the oil leakage problem of other single cylinder structure in the market, but also improved injection accuracy and synchronization.

纳米加热圈 Nano Heater

- 升温明显，保温效果好，更节能。
Increasing temperature quickly, better heater preservation and more energy saving.

电熔胶 Electric Feeding System

- 采用伺服电机熔胶，节能，可以实现复合动作，成型周期短，节能更明显。
Adopting energy-saving servo motor electric feeding system to achieve material feeding while mold opening, which can shorter the recycle time and save energy efficiently.

螺杆料筒 Screw & Barrel

- 高速机专用螺杆设计，下料速度更快，使用寿命更长，塑化效果更好。
Special designed screw for high speed machine can feed material more quickly, also has longer lifetime and better plasticizing function.

无油设计 Non-oil Design

- 从源头上解决单缸结构漏油现象。
To solve the oil leakage problem of single cylinder structure totally.

合模单元 Clamping unit

全连体高速机专用模板

Special Designed Plate For High Speed Machine

- 经过有限元技术分析，变形系数降低20%以上，应力减少30%左右，更加适合薄壁产品。
With finite element technical analysis, the deformation coefficient is reduced by more than 20%, and the stress is reduced by about 30%, which is more suitable for thin-walled products.

超大拉杆内间距 Enlarged Tie Bar Space

- 可以放入更大的模具，适用性更广
With more space to put molds, which provides wider application of products.

销轴 Pin

- 专用销轴设计，大幅减少销轴的应力。
The special designed pin can greatly reduces the stress of the pin.

自润滑钢套、铜套

Self Lubrication Steel Sleeve & Copper Sleeve

- 采用自润滑设计，保证高频率合模的润滑效果。
Self lubrication design can make sure the lubrication function under high frequency mold clamping.

拉杆 Tie Bar

- 高速机专用拉杆设计，特别适合高频率的合模机构，提高使用寿命。
Special designed high speed tie bar is very suitable for high frequency clamping, which has much longer life time.

机铰参数 Mechanic Movement Parameter

- 更加柔和的曲线图设计，保证运行更为平稳。
Soft curve design ensures the movement more smoothly.

控制单元 Control unit

液压系统 Hydraulic System

- 高速机专用油路设计，开合模更加平稳，速度更快。
Special designed hydraulic circuit system can make the mold opening and clamping more stable and quickly.

控制器 Controller

- 采用弘讯高速机专用电脑，响应更快，控制更精准。
TECHMATION computer specially for high speed machine has more fast response and control more precisely.

电器元件 Element Component

- 采用国际名牌，性能稳定。
Adopting international famous brand element component, which has more stable performance.

单缸高速机(电熔胶)参数表

Single cylinder high speed machine (electric melting glue) parameter table

规格 SPECIFICATIONS 国际公认型号 INTERNATIONALLY RECOGNIZED MODEL		U218TSH	U265TSH	U298TSH	U370TSH	U450TSH
		449	449	449	449	449
		A	A	A	A	A
注射装置 INJECTION UNIT						
螺杆直径 SCREW DIAMETER	mm	40	40	40	40	45
螺杆长径比 SCREW L/D RATIO	L/D	26.4	26.4	26.4	26.4	25.5
理论注射容量 SHOT VOLUME	cm ³	234.7	234.7	234.7	234.7	297
注射速率 INJECTION RATE	g/s	632.7	632.7	632.7	632.7	765.3
注射压力 INJECTION PRESSURE	Mpa	191.1	191.1	191.1	191.1	180.2
螺杆转速 SCREW SPEED	rpm	350	350	350	350	350
理论注射重量(ps) SHOT WEIGHT	g	214	214	214	214	271
理论注射重量(ps) SHOT WEIGHT	oz	7.549	7.549	7.549	7.549	9.559
注射速度 INJECTION SPEED	mm/s	500	500	500	500	500
注射速度 (选配) Injection speed (optional)	mm/s	800	800	800	800	800
合模装置 CLAMPING UNIT						
合模力 CLAMPING FORCE	Kn	2180	2650	2980	3700	4500
移模行程 TOGGLE STROKE	mm	500	560	600	660	740
拉杆内间距 SPACE BETWEEN TIE BARS	mm	510*510	585*565	620*585	685*685	765*765
最大模厚 MAX.MOULD HEIGHT	mm	530	600	640	660	780
最小模厚 MIN.MOULD HEIGHT	mm	200	200	200	210	280
顶出行程 EJECTOR STROKE	mm	150	150	150	170	170
顶出力 EJECTOR FORCE	Kn	70	70	70	90	90
顶出杆数 EJECTOR NUMBER		8+1	12+1	12+1	12+1	12+1
合模拉杆直径 DIAMETER OF CLAMPING ROD	mm	90	95	130	140	150
其他 OTHER						
系统压力 SYSTEM PRESSURE	Mpa	16	16	16	16	16
加热功率 HEATER POWER	kw	24.7	24.7	24.7	24.7	27
油箱容积 OILTANK CAPACITY	L	600	600	600	600	600
机器重量(约) MACHINE WEIGHT	Ton	8.5	10	11	14	20
外形尺寸 (L×W×H) BOUNDARY DIMENSION	m	6.4*1.47*2.2	6.7*1.6*2.4	7.1*1.47*2.46	7.3*1.8*2.46	8.0*1.8*2.46
伺服驱动器功率 SERVO DRIVER CAPACITY	kw	55+55	55+55	55+55	55+55	55+55

