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The sample is done for the propaganda materials,if there are differences, subject to material object.

# U218-480TSH

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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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### 浙江首力智能装备有限公司

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.



## 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)



- 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

## 部分行业应用案例

Some industry application cases



### 民用家居

Civil household

制品名称：花盆  
 原料：PP（低流动性）+其他辅料  
 重量：根据实物产品  
 机型：U390TSDH  
 模具穴数：2  
 成型周期：约 9s



### 餐饮行业

Food Industry

制品名称：薄壁快餐盒  
 原料：PP  
 重量：根据实物产品  
 机型：U390TSDH  
 模具穴数：圆底方底一出四，圆盖方盖一出六  
 成型周期：约 5.1s



### 医疗行业

Medical industry

制品名称：针筒  
 原料：PP  
 重量：根据实物产品  
 机型：U390TSDH  
 模具穴数：1 出 48  
 成型周期：约 18s



### 餐饮行业

Food Industry

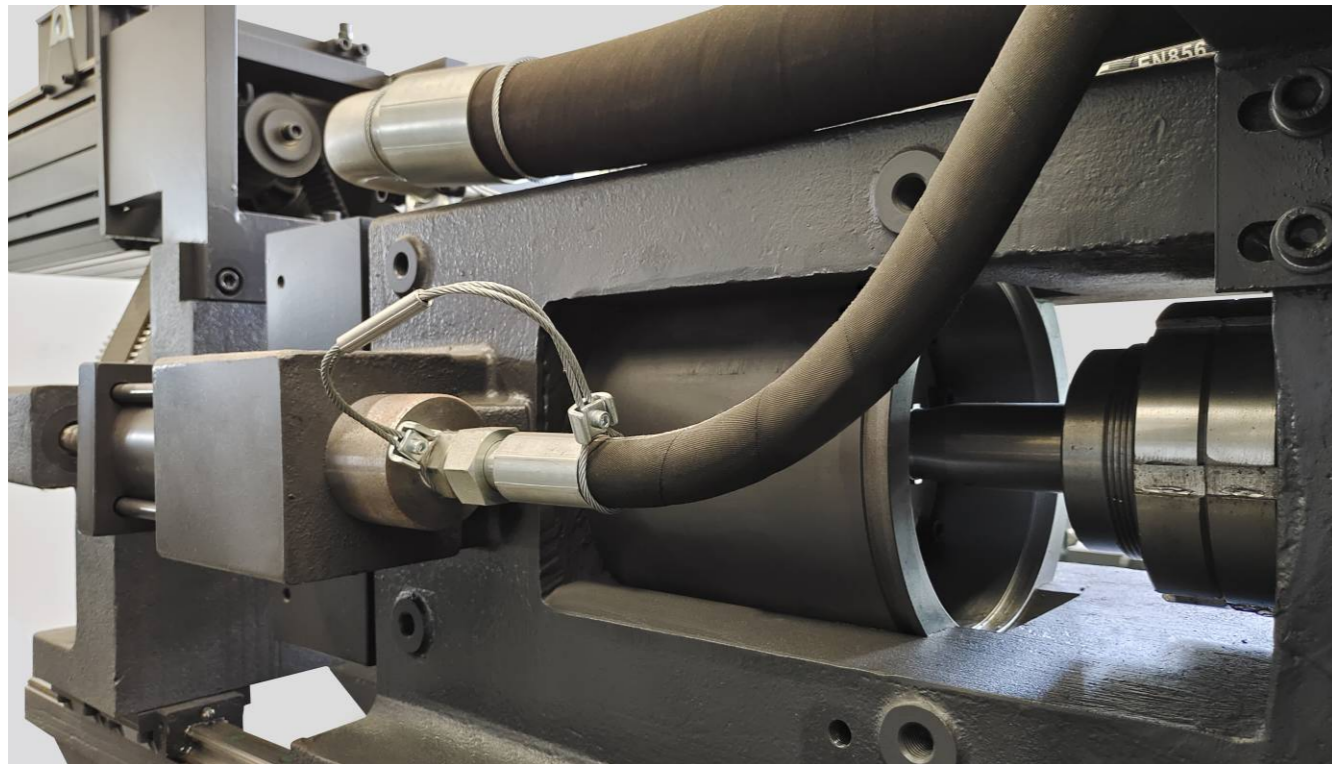
制品名称：一次性刀叉勺  
 原料：PP  
 重量：根据实物产品  
 机型：U390TSDH  
 模具穴数：32  
 成型周期：约 8s

# 注射系统

## INJECTION SYSTEM

### 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.

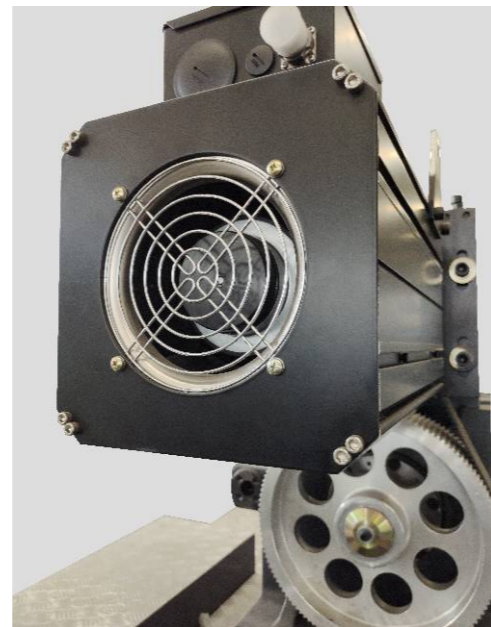


### 电熔胶 Electric Feeding System

- 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.

### 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.



# 锁模系统

## CLAMPING SYSTEM

### 机铰参数 Mechanic Movement Parameter

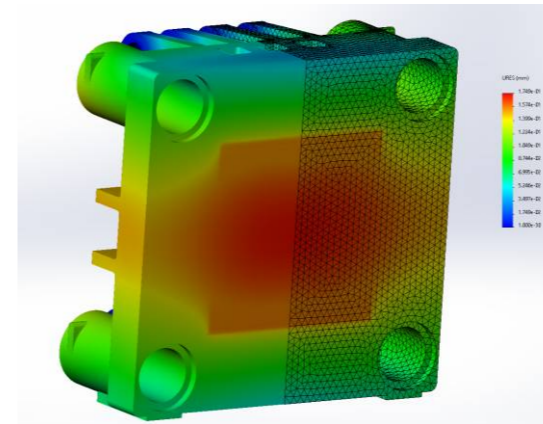
- 更加柔和的曲线图设计，保证运行更为平稳。  
Soft curve design ensures the movement more smoothly.

### 全连体高速机专用模板

#### Special Designed Plate For High Speed Machine

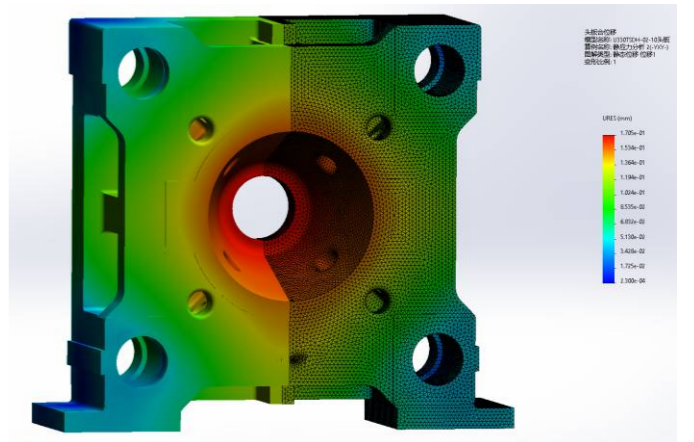
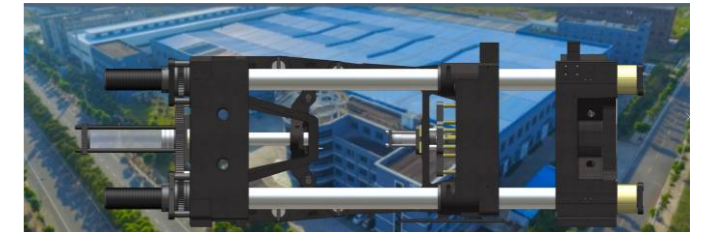
- 经过有限元技术分析，变形系数降低20%以上，应力减少30%左右，更加适合薄壁产品。

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.



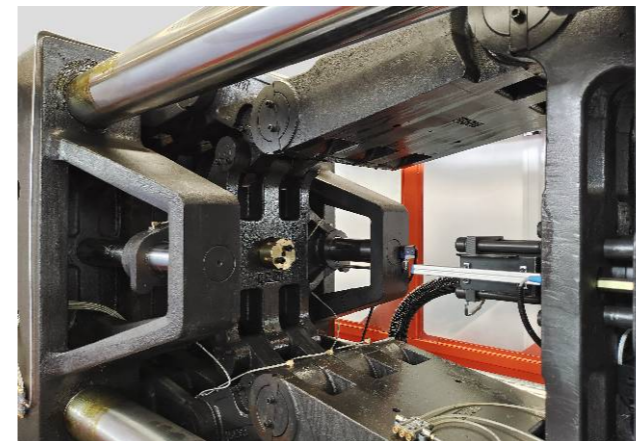
### 拉杆 Tie Bar

- 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.



### 销轴 Pin

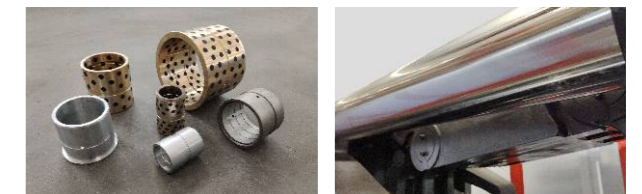
- 专用销轴设计，大幅减少销轴的应力。  
The special designed pin can greatly reduces the stress of the pin.



### 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.



### 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.

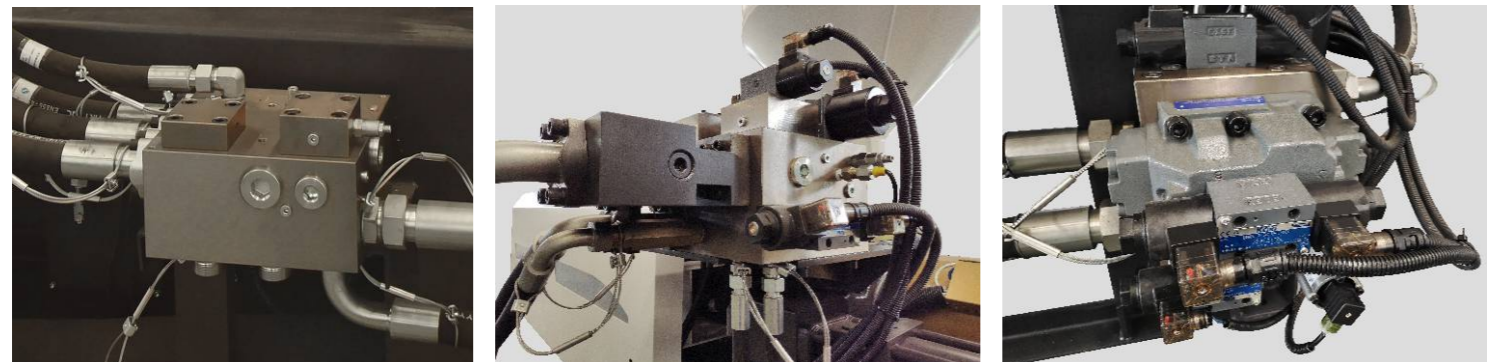


## 液压系统

### HYDRAULIC SYSTEM

#### 油路系统 Oil circuit 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.



## 电控系统

### ELECTRONIC CONTROL SYSTEM

#### 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.

