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**YIZUMI** 伊之密

# YIZUMI OPEN HOUSE 2019

2019伊之密工厂开放周

诚邀您亲临

广东·顺德 2019. 5. 21-24

Shunde, Guangdong May 21-24 2019

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## UN1000DP

### DirectPro长纤直接注塑成型

DirectPro long fiber direct injection molding

UN1000DP两板式注塑机，搭载连续纤维计量喂料装置，实现长纤维直接注射成型工艺，纤维低折损率，产品高强度，可替代纤维增强工程塑料，降低原料成本。

UN1000DP two-platen injection molding machine is equipped with continuous fiber metering feeding device to realize long fiber direct injection molding process DIM, low fiber loss rate and high strength. It can replace fiber-reinforced engineering plastics and reduce raw material cost.

- 纤维折损率极大降低
- 产品力学性能增强、强度提高，可替代工程塑料，降低生产成本
- 根据产品要求，自主调节纤维长度和含量，无需更换原料
- The fiber breakage rate is greatly reduced
- The product has enhanced mechanical properties and improved strength, which can replace engineering plastics and reduce production costs
- The fiber length and content can be adjusted independently according to the product requirements, without the need to replace the raw materials

### 制品名称: 风扇叶

Application example: fan blade

模腔 cavity: 1

材料 Material: PP+20%LGF

尺寸(φ × H) Part size: φ608 x 128 mm

重量 Part weight: 1200g

成型周期 Cycle time: 125s

合作伙伴 Partner:



SWITEK



## UN1500DP

### FoamPro微发泡成型方案

FoamPro microcellular foam injection molding solution

UN1500DP两板式注塑机以出色的SmartClamp智能锁模系统，搭载航空级铝合金技术，陶瓷涂层技术和FLEXflow伺服针阀热流道系统，实现基于MuCell技术深度开发的FoamPro微发泡注塑。

The UN1500DP two-platen injection molding machine which is equipped with the high-performance SmartClamp system, aircraft-level aluminum mold technology and FLEXflow servo-driven valve-gated hot runner system is able to perform FoamPro microcellular foam injection molding process developed based on MuCell technology.

- 高效: 干周期达4.1秒, 生产效率提高22%;
- 精密: 制品重复精度<3‰, 模板平行度控制精度±0.015mm/2ms;
- 节能: 能耗降低达56%。
- **Efficient:** dry cycle time up to 4.1 sec, production efficiency up by 22%
- **Precise:** part weight repeatability <3‰, platen parallelism control accuracy up to ±0.015mm/2ms
- **Energy-saving:** energy consumption reduced by 56%

### 制品名称: 微发泡公文箱

Application example: foamed briefcase

材料 Material: LYB PPC foaming grades

FX240/D(PPTalc18)

成型腔数 Number of cavity: 1

尺寸 Part size: 570 (L) × 400 (w) × 40 (H) mm

重量 Part weight: 880g

成型周期 Cycle time: 60s

合作伙伴 Partner:



## UN260C-BTP

### MultiPro多物料成型方案

MultiPro Multi-component Injection Molding Solution

- 高效: 产品生产周期15秒;
- 稳定: 杜绝长期生产中出现个别模腔缺胶现象;

● Efficient: production cycle time within 15 seconds

● Stable: eliminate the occurrence of individual cavity defects in long-term production

### 制品名称: 5加仑双色水盖

Application example: 5 gallon two-color container cover


成型腔数 Number of cavities: 16

材料 Material: PE+TPE

尺寸 Size(L x W x H): D55

重量 Weight: 140.8g

成型周期 Cycle time: 15s

合作伙伴 Partner: 



## UN260C-BTP

### MultiPro多物料成型方案

MultiPro Multi-component Injection Molding Solution

- 采用免粘高效塑化技术, 塑化效果好;
- 稳定: 长期生产, 不存在混色不均或下料不顺畅现象;

● Using a non-stick high-efficiency plasticizing technology, the plasticizing effect is good

● Stable: long-term production, no uneven color mixing or unsmoothing unloading

### 制品名称: 智能音箱

Application example: smart speaker

成型腔数 Number of cavities: 1

材料 Material: PC+TPU

尺寸 Size(L x W x H): 165X55X45mm

重量 Weight: 128g

成型周期 Cycle time: 55s

合作伙伴: 



## UN260C-BTP

### MultiPro多物料成型方案

MultiPro Multi-component Injection Molding Solution

- 稳定: 产品重量重复精度1.5‰;
- 节能: 节省原料, 提升效率;
- Stable: part weight repeatability 1.5 ‰
- Energy-saving: saving raw materials and improving efficiency

#### 制品名称: 折叠漏篮

Application example: Foldable basket

成型腔数 Number of cavities: 1

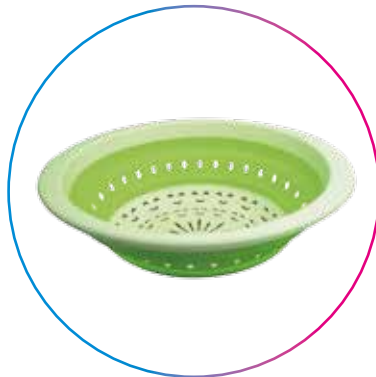
材料 Material: PP+TPE

尺寸 Size(L x W x H): 297.5×229.3×33.7mm

重量 Weight: 148.5g

成型周期 Cycle time: 28s

合作伙伴 Partner: **FOCARE** MOULD



## UN200A5S

### A5S系列升级版高端伺服注塑机

A5S Series High-end Servo Injection Molding Machine

- 高效: 干周期达2.7秒, 生产效率提高20%;
- 精密: 注射采用线性导轨, 制品重复精度<3‰, 背压采用比例阀控制, 操作简便, 控制精准;
- 稳定: 开模终点位置闭环控制, 位置偏差控制在±0.1mm, 确保镶件准确埋入模具;
- 可靠: 自动化镶件埋入和产品取出, 自动剪水口, 产品和水口分开放置;
- Efficient: the dry cycle is 2.7 seconds and the production efficiency is increased by 20%;
- Precision: The injection adopts linear guide rail, the product repeatability is less than 3‰, the back pressure is controlled by proportional valve, the operation is simple and the control is precise;
- Stable: closed-loop control of the end position of the mold opening, the position deviation is controlled at ±0.1mm ensuring that the insert is accurately embedded in the mold;
- Reliable: automatic embedding, part pick-up and cutting, the product and the nozzle are placed separately;

#### 制品名称: DN20带镶件PPR90°弯头

Application example: DN20 PPR90° elbow with insert

成型腔数 Number of cavities: 8

材料 Material: PPR

尺寸 Size(L x W x H): 51 x 46 x 37mm

重量(不含镶件) Weight(no inserts): 28g

成型周期 Cycle time: 95s

合作伙伴 Partner: **SWITEK**



## UN260A5S

### A5S系列升级版高端伺服注塑机

A5S Series High-end Servo Injection Molding Machine

- 高效:采用新一代升级螺杆料管组件,快速熔胶、低速注射,确保高效稳定生产;
- 精密:位置控制精度 $\pm 0.2\text{mm}$ ,产品重量重复精度 $\leq 3\%$ ;
- 模具技术:采用叠层模具交替注塑技术;
- Efficient: adopts a new generation of upgraded screw material tube assembly, fast plasticizing and low-speed injection to ensure efficient and stable production
- High Precision: position control accuracy  $\pm 0.2\text{mm}$ , part weight repeatability accuracy  $\leq 3\%$
- Mold technology: the use of laminated mold alternate injection molding technology

#### 制品名称: 化妆品面霜瓶

Application example: cosmetic jars

成型腔数 Number of cavities: 8+8

材料 Material: PTEG

尺寸 Size(L x W x H):

方瓶 square bottle 58X58X37.2mm

圆瓶 round bottle  $\Phi 63.5 \times 44.2\text{mm}$

成型周期 Cycle time: 方瓶 square bottle: 155s

圆瓶 round bottle: 87s

合作伙伴: 



## FE120

### FE系列全电动注塑机

FE Series All-electric Injection Molding Machine

- 高效:优化制品生产周期,合格率提升8%,产出效率提升30%;
- 精密:制品重量重复精度高;
- 节能:节能省电,为客户减少50%的经济成本;
- 采用二次合模技术,改善制品应力问题;
- Efficient: optimize the production cycle time, the pass rate is increased by 8% and output efficiency by 30%;
- Precision: high repeatability of part weight;
- Energy saving: saving energy and electricity, reducing the economic cost for customers by 50%;
- Using secondary clamping technology to improve product stress problems;

#### 制品名称: 汽车透镜

Application example: car lens

成型腔数 Number of cavities: 2

材料 Material: PMMA亚克力

尺寸 size:  $41 \times 53\text{mm}$

重量 Weight:  $37.4\text{g} \times 2$

成型周期 Cycle time: 300s

颜色 Color: 透明 transparent

合作伙伴: 中山贤旺模具

Partner: Zhongshan Xianwang(mold)



## FF120

### FF系列电动注塑机

#### FF Series Electric Injection Molding Machine

- 独有的SDC伺服直控技术,使得控制系统的反应速度提升了20倍,充分保证了射胶、熔胶及开锁模精度的稳定性;
- 开锁模速度提升50%,更快的干周期带来更高的生产效率;
- 高稳定的Linear Guider Support技术能显著降低熔胶机构的摩擦力,使得熔胶及射胶的压力稳定性更好,保障了制品质量的稳定;
- 全自动免人工维护的润滑系统让机器保持长期稳定,更能使积木产品及生产环境保持洁净、无污染;
- Unique SDC servo direct control technology makes the reaction speed of the control system increase by 20 times, which fully guarantees the stability of injection and plasticizing, as well as mold opening accuracy
- Mold opening speed is increased by 50%, and the faster drying cycle time leads to higher production efficiency
- Highly stable Linear Guider Support technology can significantly reduce the friction of the plasticizing mechanism, making the pressure stability of the injection and plasticizing better, ensuring the stability of part quality
- Fully automatic maintenance-free lubrication system keeps the machine stable for a long time, and keeps the products and production environment clean and pollution-free

#### 制品名称: 儿童积木玩具

Application example: toy building blocks

成型腔数 Number of cavities: 24

尺寸 Size: 最大规格: 31.5 x 11 x 12 mm(max.);

最小规格: 8 x 8 x 12 mm(min.)

重量 Weight: 35g

成型周期 Cycle time: 20s

颜色 Color: 红色Red、绿色Green

合作伙伴 Partner: **SWITEK**



## FE120

### FE系列全电动注塑机

#### FE Series All-electric Injection Molding Machine

- 切换位置0.125ms快速扫描,温度精确,采用低压高速方式注射,保证产品透光度达标,透亮不发黄;
- 独特的“SMART”模保功能,有效保护高价值模具;
- 节能:节能省电,为客户减少50%经济成本;
- 环境友好:机器不会出现漏油、漏水带来的环境污染,符合无尘车间要求,噪音低于60db;
- Switching position 0.125ms fast scanning, accurate temperature, low-pressure high-speed injection ensuring part transparency is up to standard, translucent and not yellowing
- Unique "SMART" mold protection function to effectively protect high-value molds
- Energy saving: energy saving, reducing economic costs by 50% for customers
- Environmentally friendly: the machine will not cause environmental pollution by oil leakage or water leakage, meet the requirements of clean room, and the noise level is lower than 60db

#### 制品名称: 汽车导光条

Application example: light guide strip

成型腔数 Number of cavities: 2

材料 Material: PMMA亚克力

尺寸 size:  $\Phi 3 \times 315$ mm

重量 Weight: 2.7g $\times$ 2

成型周期 Cycle time: 22s

颜色 Color: 透明 transparent

合作伙伴 Partner: **UOLight**



## UN200SKII-V-PET

### 伊之密二代PET瓶胚专用注塑机

Yizumi Second Generation PET Preform Special-purpose Injection Molding Machine

- 高混色效果: PET+珠光粉;
- 高效: 1出8, 单重562.7g, 周期48s内;
- 节能: 能耗降低达20%以上, 同时展出红外加热及电磁加热;
- High color-mixing effect: PET + pearl powder
- Efficient: 8-cavity mold, single part weight 562.7g, cycle time within 48s
- Energy saving: energy consumption is reduced by more than 20%, and infrared heating and electromagnetic heating at the same time

#### 制品名称: PET瓶坯

Application example: PET preform

产品规格 Size:  $\Phi 30 \times 149 \text{mm}$

产品单重 Weight: 70.34g

产品穴数 Cavity: 8

单模重量 Shot weight: 562.7g

产品壁厚 Wall thickness: 4.3mm

周期 Cycle time: 48s



## PAC350K

### PacPro薄壁包装产品成型方案

PacPro thin-walled packaging product molding solution

- 机台配置升级、性能进一步提升
- 更低的能耗、提升产品竞争力
- 生产周期短、有效提高效率
- Machine configuration upgrade, performance further improvement
- Lower energy consumption and increased product competitiveness
- Short production cycle and improved efficiency

#### 制品名称: 750ml包装容器

Application example: 750ml container

成型腔数 Number of cavities: 4

材料 Material: 5600XT

尺寸 Size:  $170 \times 120 \times 55 \text{mm}$

重量 Weight: 14g

成型周期 Cycle time: 5s

原料提供商 Material provider: 宁波台塑

Ningbo Formosa Plastics

合作伙伴 Partner: **SWITEK**





## PAC450K

### PacPro薄壁包装产品成型方案

PacPro thin-walled packaging product molding solution

- 首套类似产品全自动化包装、实现全自动化生产
- 产能成倍提升, 生产效率更高
- 产品能耗更低, 提高生产效益
- The first set of similar products is fully automated
- Product capacity is doubled and production efficiency is higher
- Lower energy consumption and increased production efficiency

### 制品名称: 饮料外盖

Application example: bottle cap

成型腔数 Number of cavities: 24+24

材料 Material: 5600XT

尺寸 Size:  $\phi 57.5 \times 47\text{mm}$

重量 Weight:  $4\text{g} \pm 0.2\text{g}$

成型周期 Cycle time: 9s

原料提供商 Material provider: 宁波台塑

Ningbo Formosa Plastics

合作伙伴 Partner: **SWITEK**



## SpaceA-1 2000-500 S1-固定平台

SpaceA-1 2000-500 S1- Fixed Platen

### SpaceA柔性增材制造系统

SpaceA Flexible Additive Manufacturing System

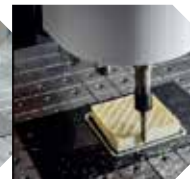
- 高效益: 在一个加工单元中通过集成不同的加工方式制备具有多种不同功能的产品
- 高产率: 在复杂的加工过程中结合相适应的技术从而降低产品单件生产成本
- 加工热塑性粒料速度比传统熔断层积快28倍
- Increasing Part Efficiency: Integrate different manufacturing technologies in one manufacturing cell for manufacturing of functional integrated part
- Increasing Productivity: Combine different technologies in a complex process chain for decreasing part costs
- Processing of thermoplastic Pellets > 28 x faster then standard FLM



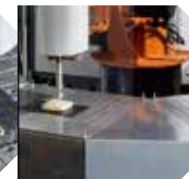
增材制造  
Additive  
Manufacturing



减材制造  
Subtractive  
Manufacturing



集成嵌件  
Insert Integration



自动快换  
Handling Operations



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