

### 苏州杰威尔精密机械有限公司产品 (详见专门样本)

Suzhou Jwell Precision Machinery  
 ●各种钝面辊筒、花纹辊、雾面辊、工业辊筒  
 ●单螺杆、机筒；双金属螺杆、双金属机筒  
 ●挤出平模头、换网器、熔体泵  
 总经理电话: 13732615688 邮箱: salbn@jwell.cn

### 苏州金纬中空技术有限公司 (详见专门样本)

SUZHOU JWELL PLASTIC MACHINERY CO., LTD. (See special catalogue)  
 ●1-20L多模头双工位高效中空成型设备  
 ●25-250L单(双)层叠料式单(双)工位中空成型机  
 ●25-1000L中大型中空成型设备  
 ●各种液压站、液压系统、标准非标准液压油缸  
 总经理电话: 13773009188 邮箱: salfs@jwell.cn

### 苏州金纬机械制造有限公司产品 (详见专门样本)

Suzhou Jwell Machinery Co.,Ltd. (See special catalogue)  
 ●20-800mm HDPE/PP/UPVC 双壁波纹管及加筋管排水生产线  
 ●16-1600mm HDPE/PP/PPR/PERT/PVC给排水管材生产线  
 ●UPVC 窗型材、扣板、窗台板、挂壁板等异型材生产线  
 ●PVC/PP/PE 木塑型材/板材生产线  
 总经理电话: 13732615688 邮箱: salbn@jwell.cn

### 苏州金纬机械制造有限公司片板膜设备分公司产品 (详见专门样本)

Suzhou Jwell Machinery Co.,Ltd. Plate and Sheet Equipment Branch (See special catalogue)  
 ●PP/PS/PE、ABS/HIPS、APET/PETG/C/PET、PC、PMMA、GPPS等单层及多层片材、板材类挤出生产线  
 ●PP、PC、PVC中空格子板、波浪板、PE铝塑复合板、HDPE/TPO/EVA等建筑和防水卷材类挤出生产线  
 ●PVC各类发泡板材、防水卷材、地板革、透明硬片和厚板等挤出生产线  
 ●XPS保温板、PS发泡片材(PSP)、XPE(XPE)交联聚乙烯发泡等发泡类挤出生产线  
 总经理电话: 13962629288 邮箱: saldi@jwell.cn

### 苏州大云塑料回收辅助设备有限公司产品 (详见专门样本)

Suzhou Dyun Recycling Machinery Co.,Ltd. (See special catalogue)  
 ●DYSSG630-1200mm大口径管材回收破碎机系统  
 ●JWL45-200mm单螺杆硬料回收造粒系统  
 ●JWS120-200mm单螺杆薄膜回收造粒系统  
 ●JWE20-95mm平行双螺杆造粒系统  
 ●各种强力破碎机、重型破碎机、静音破碎机、大产量薄膜破碎机  
 总经理电话: 13962626388 邮箱: salam@jwell.cn

### 舟山金纬螺杆制造有限公司产品 (详见专门样本)

Zhoushan Jwell Screw & Barrel Co., Ltd. (See Special Catalogue)  
 ●各种注塑机螺杆、料筒(氮化、双金属喷涂)  
 ●各种塑料单螺杆挤出机用螺杆、料筒  
 ●各种平双、锥双螺杆及料筒  
 总经理电话: 13567666316 邮箱: salin@jwell.cn

### 上海金纬化纤机械制造有限公司产品 (详见专门样本)

Shanghai Jwell Chemical Fibre Machinery Co., Ltd. (See Special Catalogue)  
 ●JW1260、JWA1260、JWA1380、JWA1500、JWA1680系列高速卷绕头  
 ●JW系列涤纶POY、FDY化纤纺丝工程设计与整厂设备制造  
 总经理电话: 13501675166 邮箱: salaa@jwell.cn

### 上海金纬挤出机械制造有限公司产品 (详见专门样本)

Shanghai Jwell Extrusion Machinery Co., Ltd. (See Special Catalogue)  
 ●PVC、PE、PET、PP、PS、PC、ABS、PMMA等各种塑料及化纤挤出机  
 ●PVC塑钢型材、门板和PVC、PE、PP木塑生产线  
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### 上海金纬管道设备制造有限公司产品 (详见专门样本)

Shanghai Jwell Pipe Equipment Co., Ltd. (See Special Catalogue)  
 ●JWSB系列大口径HDPE/PVC双壁波纹管、加筋管挤出生产线  
 ●大口径PE埋地供水管、MDPE燃气管、UPVC管材挤出生产线  
 总经理电话: 13501844613 邮箱: iniflm@jwell.cn

### 上海金纬片板膜设备制造有限公司产品 (详见专门样本)

Shanghai Jwell Plate & Sheet Equipment Co.,Ltd. (See special catalogue)  
 ●PE、PP、EVOH、PS、ABS、PET、PETG、PMMA、PC、PVC等塑料单层及多层片板、光学片材生产线, 单层及多层共挤流延膜生产线  
 ●PVC、CPE、HDPE、EVA、TPO等高分子防水卷材生产线  
 总经理电话: 13817069956 邮箱: salmaf@jwell.cn

### 上海金纬光学膜精密设备有限公司产品 (详见专门样本)

Shanghai JWELL Optical Film Precision Equipment Co.,Ltd. (See Special Catalogue)  
 ●流延膜生产线  
 ●锂电池隔膜生产线  
 ●涂布生产线  
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### 上海杰伟机械制造有限公司产品 (详见专门样本)

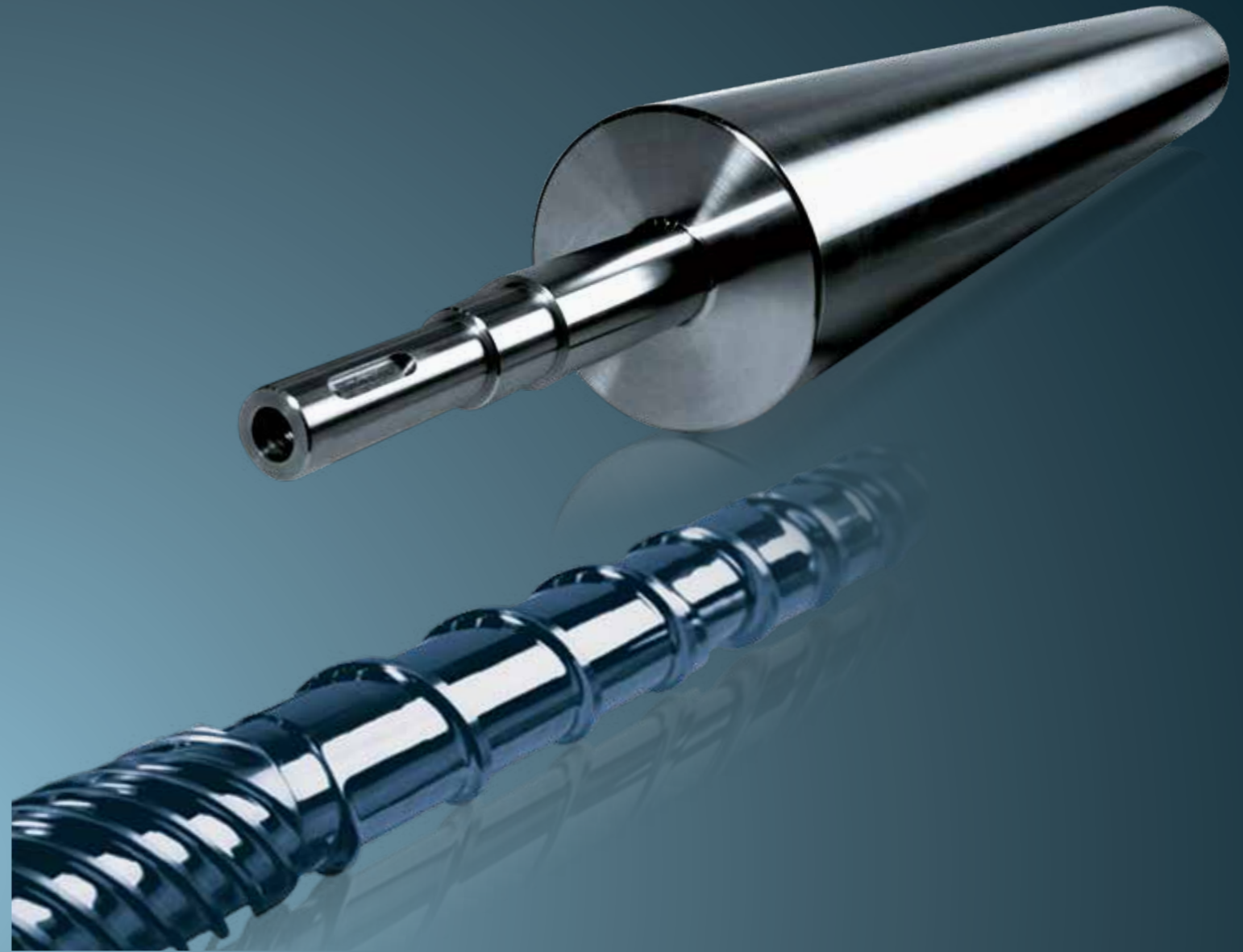
Shanghai Jwell Machinery Co.,Ltd. (See special catalogue)  
 ●各种板式、柱式换网器  
 ●各种片板膜专用模头  
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### 金纬机械常州有限公司产品 (详见专门样本)

Changzhou Jwell Machinery Co., Ltd. (See Special Catalogue)  
 ●立式和卧式HDPE/PP/PVC大口径双壁波纹管及加筋管生产线  
 ●PVC窗型材、扣板、窗台板、挂壁板等异型材生产线  
 总经理电话: 18851217588 邮箱: infwl@jwell.cn

### 常州金纬挤出机械制造有限公司 (详见专门样本)

Changzhou Jwell Extrusion Machinery Co.,Ltd. (See special catalogue)  
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 ●PVC/PP/PE/PET各种造粒线  
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## ROLLER SCREW & BARREL T-DIE

苏州杰威尔精密机械有限公司  
 SUZHOU JWELL PRECISION MACHINERY CO., LTD.

# ROLLER SCREW & BARREL T-DIE

苏州杰威尔精密机械有限公司座落于苏州市太仓城厢工业园，是一个专业生产挤出螺杆机筒、辊筒、模具等大型及高精度精密零部件的基地，厂区占地面积300余亩，集设计研发、生产、销售、售后服务、技术支持为一体。

公司拥有多台数控加工机床、重型加工设备以及全套的热处理流水线，采用先进的制造工艺和严格的质量管理体系，并将质量控制延伸到产品设计开发和售前售后服务的各个环节，确保产品和服务的高质量。我们将始终以技术，质量，服务的综合优势，协助用户和合作伙伴创造更多的价值。



是中国塑料机械行业的知名品牌。

公司产品已遍布全国各地，并出口到俄罗斯、印度、韩国、印尼、中东、非洲和南美洲、西班牙、意大利等100多个国家和地区，深受客户好评。

## “品质卓越 完美如一”

是金纬公司的质量方针，是全体员工努力的方向。

## “诚实待人”

是我们铸就“百年金纬”的核心理念。

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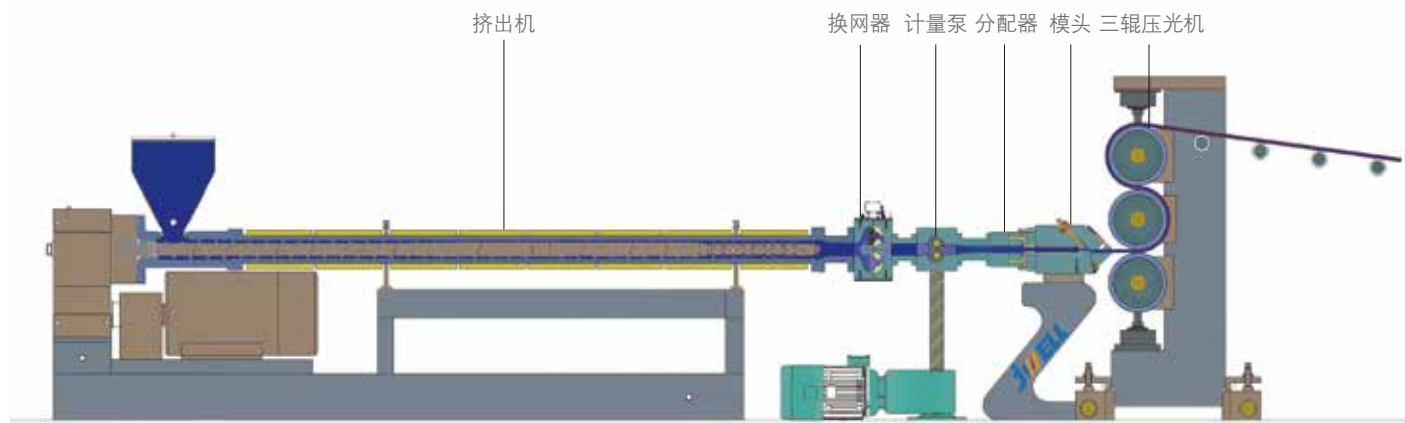
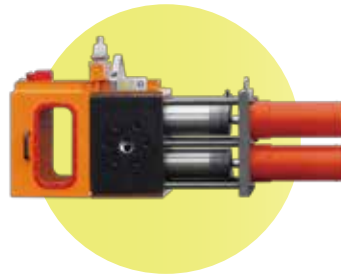
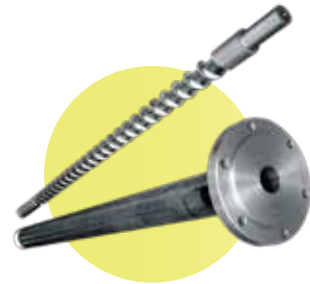
Screw & Barrel / 螺杆料筒

T-Die / T型模具

Screen Changer / 换网器

Pipe Mould / 管材模头

Others / 其它



## 辊筒 Roller

苏州杰威尔精密机械有限公司在辊筒和表面精制领域积累了丰富的经验,与你共享。我们的经验涉及塑料片材薄膜加工、无纺布、皮革加工、造纸、印刷业和钢铁制造(薄型片材)等领域。在这里,无论是辊筒的几何尺寸,圆周度,表面光洁度,还是使用寿命,我们都力求达到最高的性能指标。

Suzhou Jwell Precision Machinery Co.,Ltd would like to share our many years' rich experience in the roller and surface refine area. Our products are widely used in plastic sheet and film processing, non-woven fabric, leather processing, paper making, printing, thin steel manufacturing etc. We are trying our best to reach the highest performance index for the geometry dimensions, roundness, roughness of the surface and the using life.

### 我们的辊筒制造能力 Our ability in roller making:

- 辊筒最大直径和长度:  $\Phi 1600 \times 14000\text{mm}$
- 工件最大重量: 15000kg
- 圆柱度、同心度精度:  $\leq 0.01\text{mm}$
- 表面粗度:  $0.005 \sim 0.01 \mu\text{m}$
- Max. diameter and length of the roller:  $\Phi 1600 \times 14000\text{mm}$
- Max. weight of the roller: 15000kg
- Roundness and coaxiality:  $\leq 0.01\text{mm}$
- Roughness of the surface:  $Ra 0.005 \sim 0.01 \mu\text{m}$



### 品质 Quality

辊筒特别是镜面辊对于塑料包装行业的片板膜设备来说是一个不可缺少的重要部件。其规律是: 辊筒表面越光, 越精密, 生产出的制品质量就越好。因而, 我们努力达到最小的公差精度和最好的辊面效果。

杰威尔公司用于辊筒制造的多种大型、先进的装备有: 车削、焊接、研磨、抛光、平衡、热处理、表面处理、镀硬铬等, 其中包含了一些目前行业中最为先进的加工设备如: 可处理 14 米长工件的热处理车间、专业的电镀硬铬车间、可加工 14 米的磨床和镗孔设备等。

Roller, especially the mirror roller, is an important integral part of sheet and plate equipments. The rule is that the more smooth and precise of the roller surface, the better products can be produced. We are trying best to gain the smallest tolerance and best roller surface.

Jwell have various kind s of large and advanced equipment: turnery、welding、grinding、polishing、balancing、heat treatment、surface treatment、hard chromed etc, include the most advantage manufacture equipment: the heat treatment workshop for 14 meters working piece, profession electroplate workshop, the boring and grinding machine can machine the 14 meters working piece etc.

### 服务 Service

多年经验的专业设计制造团队,为您定制最为合适的方案。为了适合与各种不同的制品对辊筒的要求,我们采用对应的辊筒内部流道设计和不同的制造材料如 Q345、S45C、42CrMo、60CrMnMo、SUS304 及特殊的进口钢料用于辊身的制造,满足技术要求的同时获得最高的性价比。对于已经在生产线上服役多年的旧辊筒,我们能够帮您翻新并提供必要的修复服务。

The best suitable solutions for you made by our profession design and rich experience manufacture team

To meet different requirements, we have the 16Mn, 20#, 45 #, 42CrMo, 60CrMnMo, SUS304 and some imported special steels as the options for making the roller. By this way, we can meet the technical requirements and we can have the best cost performance.

We can provide the repair and retread service for the used roller which worked in your production line.



## 塑料片板膜用辊筒 Roller For Plastic Plate /Sheet/Film



基于多年来对塑料包装业的理解和设备使用经验，我们在用于塑料片板膜设备的辊筒制造上有着更为出色的表现。

Based on many years' understanding and experience in plastic packing industry, we have the outstanding performance in roller manufacturing for plastic sheet & plate and film.

### 辊面处理 Roller surface treatment

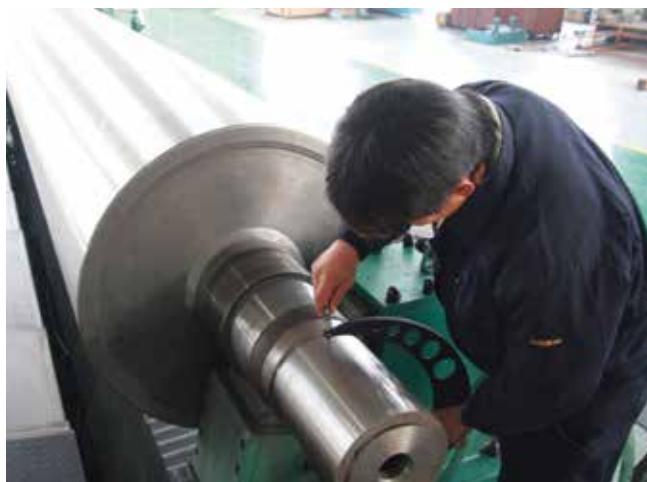
- 经调质处理,确保组织结构密实
- 外表面深层次淬火,硬度达到 HRC50~55
- 表面电解镀硬铬,硬度达到 HRC58~65
- Quenching with Subsequent tempering, ensures the density of the structure
- Outer surface deeply quenched, the hardness can be reached HRC 50~55
- Surface electrolyze hard chromed, the hardness can be reached HRC 58~65

### 表面处理 Surface treatment

- 镜面、超镜面研磨抛光加工
- 可加工各种皮纹、消光、雾面、磨砂、网纹,承接来样定制。
- 表面喷涂特氟仑,各种胶面辊。
- Mirror roller, super mirror roller grinding and polishing processing
- We can process different kinds of roller surfaces, such as leather veins, matt, mist, frosting, net veins. And we can make the roller according to the client's samples.
- The surface sprayed by Teflon, different kinds of rubber rollers.

### 辊筒特点 Features

- 双层的外壳,内部螺旋流道设计,具有良好的散热效率。
- 采用热装过盈配合形式,辊筒强度高;中高补偿弯曲,以减少片材、板材制品的厚度误差。
- Double ( double ) shells, insicle(inside) spirial tunnel design, pefect cooling efficiency.
- Adope(adopt) the thermal interference type, high strength, crowning to compensate of bending the sheet/ plate/ film final products tolerance.



### 辊筒用于下列产品的生产:

- PET、PETG、CPET片材
- PP、EVA、EVOH、PS、PC、PE片材
- PC、PMMA、PS、HIPS、PP、PE板材
- ABS、PS、HIPS、PMMA洁具板、冰箱板
- PVC硬板、软板、发泡板
- PE铝塑复合板
- PC、PET、PVC、PP高透明片材
- PC、PMMA光学片材
- PP + 石粉、PP + 木粉、PP + 麻纤维片板材
- 各种用途的流延薄膜

### Rollers for producing the following products:

- PET、PETG、CPET sheet
- PP、EVA、EVOH、PS、PC、PE sheet
- PC、PMMA、PS、HIPS、PP、PE plate
- ABS、PS、HIPS、PMMA sanitaryware plate, refrigerator plate
- PVC hard plate, soft plate, foamed board
- PE aluminum composite sheet
- PC、PET、PVC、PP transparency sheet
- PC、PMMA optical sheet
- PP + calcium powder、PP + wood powder、PP + linen fiber sheet
- Different kinds of cast film



## 超级镜面辊 Super Mirror Roller

### 用于光学级板材、片板、薄膜制品：

超级镜面对于光学级塑料板材、片材、薄膜生产设备来说是一个不可缺少的重要部件。其规律是：辊筒表面越光，越精密，生产出的制品质量就越好。因而，我们努力达到最小的表面粗糙度公差。

生产出的光学级制品主要应用于 LED 面板、电子、电器工业的薄膜开关；电脑、手机液晶显示屏等高端领域。

Super mirror surface roller is a key part of sheet and plate equipments. The rule is that the more smooth and precise the roller surface, the better the product quality. And, we always strike for the smallest possible surface roughness tolerance to the level of Ra0.005um.

The optics grade product is applied for producing LED panels, electronics, thin-film switch of electric appliances, and high end consumer products section like PC monitor, mobile phone screen and etc.

### 辊筒特点

- 超镜面辊筒表面光洁度可以达到 Ra0.005-0.01  $\mu\text{m}$ ；
- 辊筒的圆柱度、同轴度均达到  $\leq 0.005\text{mm}$ ；
- 特殊的结构设计以保障极强的辊筒刚性和表面温度误差最小；

### Features

- The surface roughness level of the roller can be reached Ra0.005-0.01  $\mu\text{m}$ ；
- He ( the ) cylindricity and cocentricity of the roller can be reached  $\leq 0.005\text{mm}$ ；
- Enhanced roller rigidity and minimized roller surface temperature deviation through special roller structure design.



## 薄壁高效辊筒 Thin-Wall Efficient Roller

薄壁高效辊筒的辊面外壳厚度仅为标准辊筒外壳厚度的 50%–70%；内部减少螺棱支撑点的面积以增大冷却水的接触面积和热转换效率。为抵消辊面较薄的强度减弱，采用了整体圆弧形流道以增加承压强度。相同的工况环境，使用薄壁高效辊筒的片材设备产量增加了 20%–50%。

For the thin-walled high-efficiency roller, the surface shell thickness is only 50%–70% of the standard roller; by reducing the area of the strikes, and enlarging the contact area with cooling water, the thermal conversion efficiency is increased. And to offset the roller rigidity, the overall circular runner design is adopted to increase the intensity of the roller. Under the same working condition, the thin wall high efficiency roller boosted plate and sheet line output by 20% to 50%.

### 辊面处理

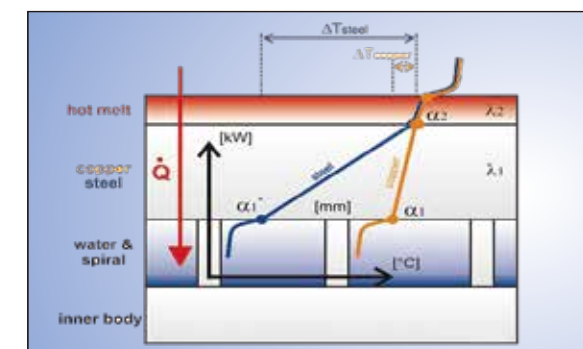
#### Roller surface treatment

- 经调质处理，确保组织结构密实
- 外表面深层次淬火，硬度达到 HRC50~55
- 表面电解镀铬，硬度达到 HRC58~65
- Quenching with Subsequent tempering, ensures the density of the structure
- Outer surface deeply quenched, the hardness can be reached HRC 50~55
- Surface electrolyze hard chromed, the hardness can be reached HRC 58~65

### 表面处理

#### Surface treatment

- 镜面、超镜面研磨抛光加工
- 可加工各种消光、雾面、磨砂、喷涂层等表面
- Mirror roller, super mirror roller grinding and polishing processing.
- Different kinds of roller surface treatments are available, such as leather veins, matt, mist, frosting, net veins and etc.



## 电磁加热辊筒 Electromagnetic Heating Roller

由于加热辊在各行业应用广泛，电磁加热辊正取代导热油加热辊，目前在激光防伪印刷、模压、汽车夹层玻璃复合、复合膜生产、医用胶带、药品包装、非织造无纺布生产、铝塑板胶合、化学合成纤维、橡塑压延等行业成功应用。

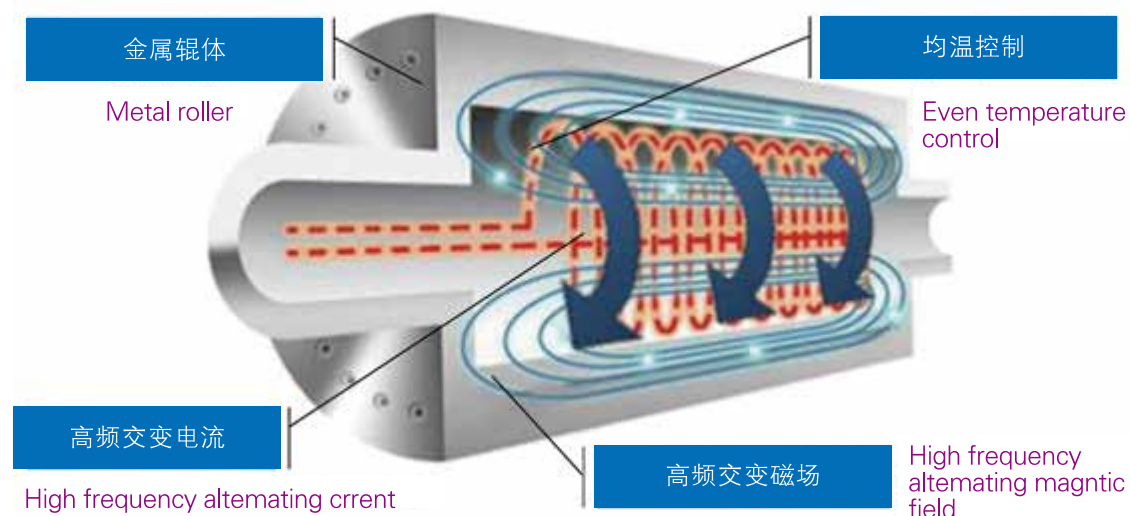
With the wide application of heating roller in various industries, electromagnetic heating roller is replacing heat conduction oil heating roller, so far electromagnetic heating roller is successfully used in laser anti-counterfeiting printing, die stamping, automotive laminated glass composite, composite film production, medical tape, pharmaceutical packaging, non-woven fabric production, aluminum-plastic panel agglutination, synthetic fiber, rubber and plastic calendaring and other industries.

### 辊筒特点

- 节能——比导热油辊或蒸汽辊节能约 60%；
- 温控精度高——温控精度达  $\pm 0.5^{\circ}\text{C}$ ；
- 升温速度快——从室温到  $200^{\circ}\text{C}$  只需 25min；
- 工作温度高——辊面工作温度可实现  $400^{\circ}\text{C}$  以上，满足高温生产要求；
- 环保——全电气化控制，无油渍污染，生产环境清洁卫生。

### Roller Features:

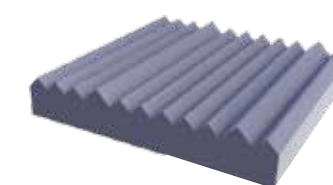
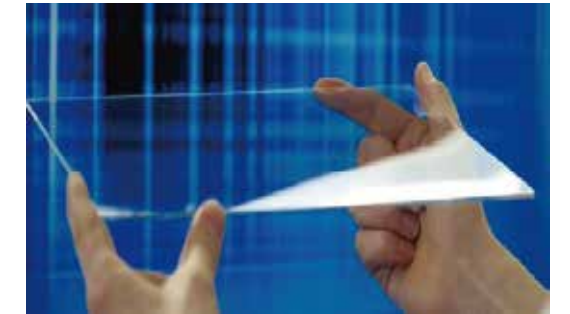
- energy saving – 60% energy saving comparing with the heat conduction oil roller or steam roller;
- high precision temperature control, temperature precision reaches  $\pm 0.5^{\circ}\text{C}$ ;
- faster heating up– takes only 25 min from room temperature to  $200^{\circ}\text{C}$ ;
- high working temperature, roller surface temperature can reach above  $400^{\circ}\text{C}$  for operation , satisfies the requirement of high temperature production;
- environmental protection – all electric control, no oil pollution, clean production environment.



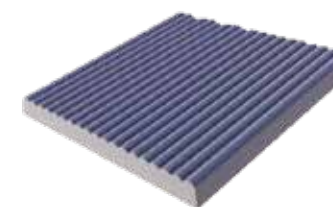
## 光学膜用途微结构辊 Micro-Structure Roller for Optical Film & Sheet

微结构辊经过在辊面镀铜、镀镍以后进行辊面微结构处理，制成高级的光学片材或薄膜，成为LED/LCD面板的关键模块组件。制品应用于制作于LCD/LED背光的光学膜，棱镜片增光膜 (prism) 和微透镜膜 (micro lens)，3D光栅膜，液晶显示屏、笔记本电脑、移动电话等领域。

Microstructure roller make the micro structure treat for the roller surface after the copperize、nickelate, to be the high class optics sheet or film which will be the key module parts of the LCD panel. The final product used in the LCD/LED display, mobile phone, 3D raster, prismatic lens and micro lens.



V型结构(正面结构)  
V type structure  
(the front side structure)



3D 结构辊  
3D structure roller



## 流延膜用辊筒 Casting Film Roller

JWELL 制造的流延膜用辊筒采用严格的欧洲专业制造标准,经过多道焊接和热处理工艺,保证辊筒的整体结构坚固可靠。为了确保其高效的热交换效果,流延辊筒的流道均为特殊的螺旋形设计,并对通过流道的冷却液流量进行精确的计算,从而尽可能的减小辊筒表面温度误差,提高了产品的温度均匀性。流延膜用辊筒的动平衡精度尤为重要。专用的大型动平衡校验设备和多种平衡检测方案,使其在高转速下运行平稳。

JWELL manufactured casting film roller strictly according to European professional manufacturing standards. Several steps of welding and heat treatment process are applied to give ensurance to the overall rigidity and reliability of roller structure.

In order to ensure its efficient heat exchange, casting roller flow channel are designed with the special spiral, and through accurate calculation of the coolant flow, the roller surface temperature deviation are reduced to the least possible. It improves the temperature uniformity of the product.

The most important is the precision of dynamic balancing of roller. Specialized large dynamic balance calibration equipment and a variety of balance detection scheme, ensures smooth operation at high rotation speed.



较高的生产线速度要求流延膜用辊筒具有极高的转速、精确的动平衡精度、快速均衡的热交换效率;

High speed of casting film production line means very high rotation speed of the roller, and this requires precise dynamic balancing, high and balanced heat exchange efficiency;

### 辊筒特点

- 最大的辊筒直径:  $\Phi 1600\text{mm}$
- 辊筒的圆柱度、同轴度均达到  $\leq 0.005\text{mm}$ ;
- 辊筒表面镀硬铬, 镀层厚度  $50\sim 80\mu\text{m}$
- 辊筒表面温度误差  $\pm 0.5\sim 1^\circ\text{C}$ ;
- 表面抛光镜面、超精镜面、毛面 / 雾面、防粘辊面处理;
- 运行速度: 最大  $800\text{米/分}$ ;
- 整体变形: 全负荷时  $< 0.05\text{毫米}$
- 运行时动平衡 最佳  $Q=3.2$

### Roller Features:

- Roller diameter: max.  $1600\text{ mm}$
- Roller cylindricity, concentricity both  $\leq 0.005\text{mm}$ ;
- Roller surface hard chromium plated, coating thickness is  $50\sim 80\ \mu\text{m}$
- Roller surface temperature deviation  $\pm 0.5\sim 1^\circ\text{C}$ ;
- roller surface treatment: mirror polished, super finishing mirror, matt, mist and anti adhesive surface;
- Speed: max.  $800\text{ m/min}$ ;
- Overall deformation:  $< 0.05\text{ mm}$  at full load
- Best dynamic balance:  $Q = 3.2$





## 双向拉伸膜生产线用辊筒 Roller for Bi-Oriented Stretch Film Production Line



苏州杰威尔精密机械有限公司 不但致力于塑料板材、片材用压延辊筒的设计制造,同时也为塑料薄膜领域提供高品质的辊筒。引进国外先进的制辊技术,我们为流延膜设备、拉伸膜设备提供高品质辊筒。如激冷辊、拉伸辊、预热辊、牵引辊、电晕辊、橡胶辊、TEFLON 辊等。

生产塑料薄膜用辊筒的极高转速,使辊筒的动平衡精度显得尤为重要。专用的大型动平衡校验设备和多种平衡方法使这些要求得到有效的保证。

薄膜制品成型对辊面温度误差的要求很严格。带内螺旋循环流道的辊筒是一项高技术含量的产品,具有极强的热交换能力和辊筒作业表面容许的最小温度波动。

Suzhou Jwell Precision Machinery Co., Ltd , not only focuses on the design and manufacture of the roller of plastic plate sheet , meets the requirement of the clients, but also supplies the high quality roller for the plastic film business area.

We import the foreign advanced roller manufacture technology , supply the high quality roller for the machine of casting film and stretch film. Such as chill roller , stretch roller, preheat roller , pull roller, corona roller, rubber roller, TEFLON roller etc.

The roller rotate in higher speed when produce the plastic film, so that high precision of the roller dynamic balance is important particularly. Our specified large dynamic balance testing equipment and various balance process can ensure these request effectively.

According to the strict molding request of final film product to the temperature error on the roller surface, The roller which has the spiral inner flow channel is a high-tech product, it has a very good heat exchange ability and this roller can reach the minimum temperature fluctuation which is allowed in production.

### 我们的辊筒制造能力

#### Our manufacturing capacity of roller:

- 辊筒最大加工长度 Max. machining length :14000mm
- 辊筒最大加工直径 Max. machining diameter: Φ1600 mm

### 辊筒制造精度

#### Manufacturing precision of roller:

- 同轴度 Concentricity:  $\leq 0.01\text{mm}$
- 圆柱度 Cylindricity:  $\leq 0.01\text{mm}$
- 表面粗度 Surface roughness: Ra0.005 ~ 0.01  $\mu\text{m}$

### 辊筒表面处理

#### Roller surface treatment:

- 电镀硬铬涂层 Electroplate hard chrome coating
- 橡胶包覆涂层 Rubber overlay coating
- 不锈钢包覆层 Stainless steel overlay coating
- 特氟仑等特种涂层 Special coating like TEFLON etc.

由于拉伸膜辊筒对于膜张力、包覆角度、高线速度、温度精确控制等较高的要求,所以对于每个高要求辊筒都将提供以下验证:

Due to the higher request for the tension / coated angle/ high line speed/ temperature precision control of the stretching film roller , we can provide the following certificates for each roller:

● 轴材质	● Shafts material
● 外套材质	● Outer jacket material
● 尺寸和几何报告	● Dimension and geometrical report
● 光洁度(测量辊面两边和中间)	● Roughness (measures on the sides and in the center of the table)
● 镀铬硬度	● Chrome coating hardness
● 镀铬厚度(测量辊面两端和中间)	● Coating thickness (measures on the sides and in the center of the table)
● 最高达到 G2.5 级的平衡报告(机器打印)	● Final balancing reach to G2.5 (machine Printed)
● 重量,惯性,在极值速度,自重情况下的挠度	● Weight, inertia , d é flection under own weight, critical speed
● 防止渗漏的静态压力试验	● Static pressure test to prevent the leakage
● 辊面温度差异	● Temperature difference on the table surface
● 冷却水流量	● Cooling water flow
● 进出水压差异	● Inlet/Outlet water pressure difference



## 激冷辊、铸片辊 Chill Roller, Casting Roller



产品广泛应用于 BOPP、BOPET、BOPA、BOPS、BOPI 等各种双向拉伸生产线和纵向拉伸生产线的母片铸片成型,采用特殊的内部循环流道设计,提高热转换效率及温控精度,更换技术升级后的辊筒,可提高 20%–30% 的铸片效率。

This product is widely used in master casting forming of BOPP, BOPET, BOPA, BOPS, BOPI biaxial oriented stretching line and longitudinal stretching line. Special inner circulation channel is designed to improve the heat conversion efficiency and temperature control accuracy. After replacing with this kind of technically updated roller, the casting efficiency will rise by 20%–30%

- 最大直径 1600mm
- 变径交错螺旋流道
- 表面温度精度  $\pm 0.5^{\circ}\text{C}$
- 高效热交换技术性能
- 高精度动平衡校正
- 超高质量的镜面处理
- 螺旋流道的防腐处理

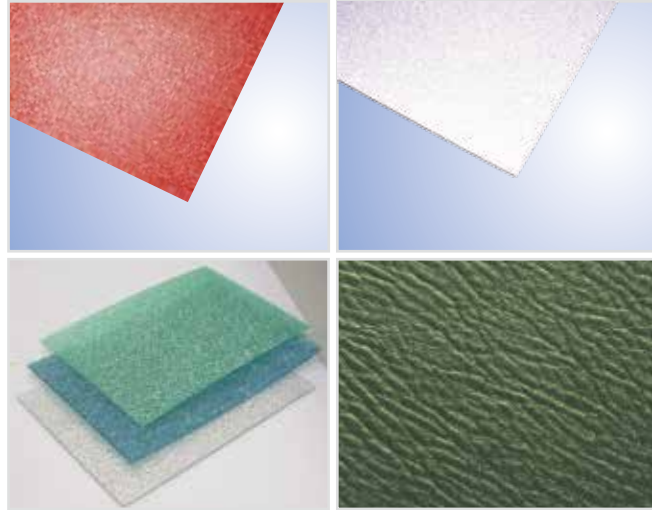
- Max diameter 1600mm
- Variable diameter alternating spiral flow channel
- Surface temperature precision  $\pm 0.5^{\circ}\text{C}$
- High efficiency heat exchange technology performance
- High precision dynamic balancing correction
- High quality mirror face processing
- Anti-corrosion treatment of spiral flow channel

铸片系统是薄膜拉伸生产线中至关重要的一个环节,铸片成型的母片精度最终决定了拉伸后成品膜的质量,苏州杰威尔精密机械有限公司生产的铸片辊筒,在国内欧洲进口的高端拉伸生产线上得到了广泛的应用,经过实际应用的效果,得到了客户一致认可与好评。

Casting system is a step of vital importance in film stretching line. The finish film quality after stretching will be finally based on master precision of casting system. This casting roller manufactured by Suzhou Jwell Precision Machinery Co.,LTD has already been used a lot in high level stretching line imported from Europe and its performance in practical application obtains unanimous approval and favorable comment from customers.



## 精密花纹辊筒 Embossing Roller



花纹辊筒用于 PMMA、PC 板材、PP 片等多种塑料片、板材的表面成型处理。辊面可以加工成各种花纹形式，采用激光电子扫描与分色技术，将客户来样图像转化成高清晰度数字影像信息直接录入雕刻机复制雕刻出高质量的辊面花纹。辊面花纹的仿真率高达 98% 以上。

在辊筒表面进行喷砂处理，按照目数的大小，使辊筒表面达到消光、亚光及雾面和毛面的效果。

制品应用于灯具、装潢、皮革、汽车等多种领域。

Embossing roller is used for surface treatment of plastic sheets and boards like PMMA, PC, PP and etc. Roller surface can be processed into a variety of decorative patterns. The sample image will be converted into high resolution digital image information with laser scanning electron and color separation technology and then loaded directly into the carving machine, and high quality roller surface pattern will be carved out by the carving machine. The roller surface pattern simulation rate is above 98%.

Sandblasting processing is applied to the roller surface. According to the size of the mesh, the roller surface will have the effect of dull, matt, mist, and rough effect.

Products applied to the various fields like lighting appliances, decoration, leather products, automotive and so on.

### 辊筒特点

- 辊面材料可采用 45 钢、38GrMoAl、42GrMo、60GrMoV 等；
- 多种内部流道设计，辊面温度均匀，确保制品表面花型的均匀一致；
- 表面电镀层硬度达到 HRC60-62，延长花纹辊的使用寿命。

### Roller Features:

- Roller surface material includes 45 # steel, 38GrMoAl, 42GrMo, 60GrMoV, and etc;
- Both the diversified internal runner design, and the roll surface temperature uniformity technology, ensure the uniformed pattern on the product surface;
- Surface plating hardness can be reached HRC60-62, prolong the service life of the embossing roller.



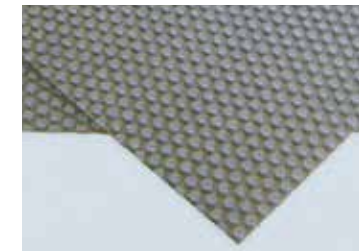
## 排水板、异形面成型辊筒 Roller for Drainage Board and Special-shaped Surface Forming

根据制品的不同用途，采用高精度的数控加工设备对辊筒表面做精密加工，并且充分考虑了制品成型过程中热胀冷缩、排气等特点。使通过异形面成型辊筒连续挤压成型的制品能够完全符合用户的需求。

制品应用于排水板、蜂窝板、止水板、气泡膜等多种用途。

According to the different material of products, and with full consideration to the product expansion and contraction, and gas venting nature, etc., we use high precision CNC processing equipment for the roller surface precision machining. The precision of the special surface forming roller will help ensure the quality of product to fully meet the need of users.

Products may apply to drainage board, honeycomb panel, water stop plate, bubble wrap and other purposes.



## 热轧辊 Hot Mill Roller

热轧辊因其特殊的设计结构而具有较高的强度、韧性和耐热性。用于高密实度的塑料板材片材成型和无纺布加热复合。

选用优质合金钢 38CrMoA1A, 42CrMo, 60CrMoV, 9Cr2Mo 等作为本体材料, 经机械加工、热处理成型, 表面硬度可达 HRC58 ~ 62。

内胆螺旋式和周边钻孔两种设计结构, 采用内部安装螺旋内胆或辊体周边钻孔循环引导热油, 使辊面两端温差更小, 热效率更高。

Hot Mill Roller have superior strength、tenacity and heat resistance due to the special design structure. The roller can be used in high density plastic plate and sheet forming and non-woven fabric heat compounding.

The roller body select super quality alloy steel such as 38CrMoA1A, 42CrMo, 60CrMoV, 9Cr2Mo etc. The surface hardness can be reached HRC58-62 after the machining and heat treatment.

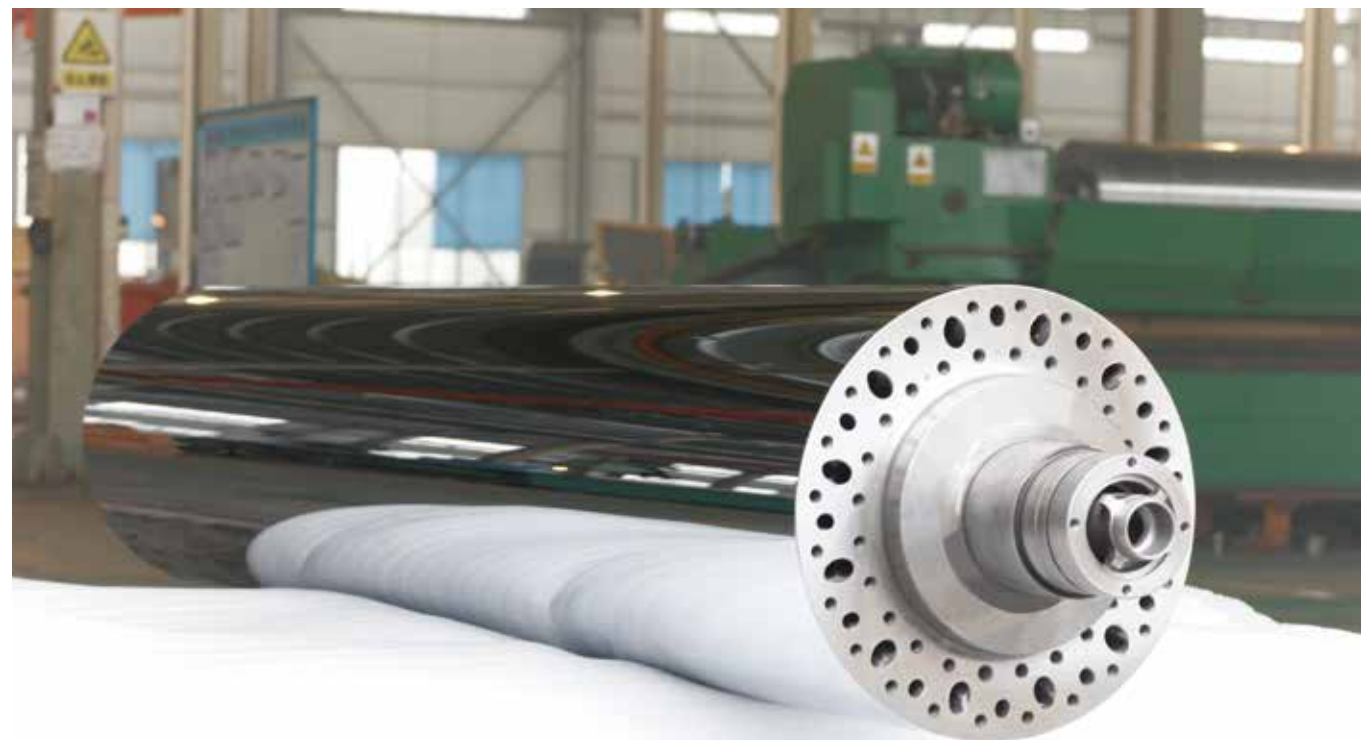
The roller inside structure design as spiral channel and circum drilling hole, the temperature difference between double sides of the roller will be smaller and the thermal efficiency will be higher.

### 辊筒特点

- 辊筒整体强度高, 高强度对压受力时变形小, 制品厚度均匀;
- 热交换高效、均匀, 辊面温度均衡稳定;
- 适用于 PC/PMMA 等较薄的塑料片材、无纺布、皮革的表面压光及压花。

### Roller Features:

- High overall intensity guarantees small deformation of roller under pressure, and ensures uniform product thickness;
- High efficiency and uniform heat exchange, stable roller surface temperature;
- Suitable for thin plastic sheet like PC/PMMA, non-woven fabrics, leather surface polishing and embossing.



## 橡胶包覆辊筒 Rubber Roller

橡胶辊的辊面包胶有三元乙丙胶、海派龙、丁晴胶、液体硅胶、固态硅胶、聚氨酯等。根据使用的环境工况, 需要满足耐油、耐溶剂的性能。橡胶面的弹性、屈曲性、冲击性、耐磨损等物理性能都影响胶辊的质量和使用寿命。

高温用途易使橡胶老化, 所以在选择优质的橡胶辊面的同时, 辊芯的冷却设计也非常重要。采用大通水量的螺旋流道设计, 使辊面温度均匀可控。

精密的研磨加工设备确保橡胶辊面与两端轴承的同轴精度, 多种静平衡、动平衡校正工序, 即使在转速极高的双向拉伸薄膜等生产线设备上使用也能够稳定、高效的运转。

Rubber roller surface include EDPM (Ethylene-Propylene-Diene Monomer), Hypalon, NBR, LSR (Liquid silicone rubber), Solid Silicone, Polyurethane, etc. According to the working conditions, there is the need to be oil resistant and solvent resistant. The elasticity, flexibility, impact resistance, wear resistance and other physical properties of the lining can affect the quality of the rubber roller and service life.


High temperature makes rubber aging easily, so except for choosing the high quality rubber for roller surface, the design of roller core for cooling is also very important. The spiral runner design for large flow capacity is adopted making roller surface temperature more uniform and under control.



## 螺杆和机筒 Screw & Barrel



### 历史:

始创于1978年的  金海螺 是中国最好的螺杆品牌。30多年的螺杆机筒专业制造经验和历程，让我们的产品可以做到更高的精度和更好的品质，从而有效提高和改善了挤塑制品的产量和质量。不断创新、不断追求产品的完美如一让我们的产品和服务遍布世界各地。


### 今天:

我们位于苏州的螺杆机筒生产基地，目前以生产挤出机用大型、精密的单螺杆机筒，平行双螺杆机筒为主。生产的各种螺杆料筒，严格选用优质的合金钢为原料，经调质、定性、氮化、表面合金层处理等多种工序，加工工艺运用欧美最新的工艺技术和加工检测设备精心制作，确保产品的精度和质量。具有较长的使用寿命和良好的耐磨耐蚀性能。

公司新建深度达12.5米的大型热处理炉机组和配套众多大型、先进的螺杆机筒专业加工设备，满足了目前塑机行业设备大型化对核心部件螺杆机筒的要求，目前我们加工螺杆机筒的最大直径已达  $\phi 350\text{mm}$ 。

我们将充分发挥大型加工设备和技术工艺上的优势，以质量、以速度、以服务获得更多用户的支持!

### History:

 , the best screw brand which was made by ourselves since 1978. We have accumulated more than 30 years' experience and techniques in made screw&barrel, higher precision and better quality improve the quantity and quantity of the extrusion plastic product effectively.

### Nowadays:

Our screw&barrel manufacturing base located in Suzhou, is mainly for making the large size and high precision Single screw&barrel. We use the high quality alloy steel as the material and we proceed the tempering, qualitative, nitriding, surface alloy treatment and other procedures, and we use the latest European manufacturing technology and inspection equipments to manufacture the screw and barrel to ensure the precision and quality of the products. Our screw&barrel has the features of long life and good Wearing resistance and anti-corrosion.

We recently built a 12.5m depth heat treatment oven and we equipped many large size screw&barrel manufacturing. At present the max. diameter we can process  $\phi 350\text{mm}$ .

We will utilize the advantages of our modern equipments and processing technology to gain more supports from our customers through our quality, fast action and service.



### 螺杆机筒的应用:

- 用于化纤挤出:  
PET、PA6、薄膜、无纺布、绳索纤维
- 用于塑料回收造粒
- 用于电缆挤出: 适合PVC, PE, PBT, 和塑胶氟化物
- 用于塑料制品挤出:  
吹膜淋膜、片材、板材、管材挤出

### Applications of screw and barrel:

- For chemical fiber extrusion:  
PET, PA6, film, non-woven fabric, rope fiber
- For plastic recycling and pelletizing
- For cable extrusion: PVC, PE, PBT and rubber fluoride
- For plastic product extrusion:  
Blow film, sheet, plate, pipe extrusion

## 挤出机单螺杆和机筒 Single Screw & Barrel



### 主要技术参数

- 调质硬度: 270 ~ 300HV
- 氮化硬度: 900 ~ 1020HV
- 氮化层深度: 0.5 ~ 0.8mm
- 氮化脆性: ≤一级
- 表面粗糙度: Ra 0.4 μm

### 螺杆材质和加工范围:

- 螺杆基材: 38CrMoAlA(JIS SACM645), 42CrMo(JIS SCM440) SKD61
- 螺杆直径范围: Φ12~350 mm
- 螺杆最大长度: 9,000 mm
- 表面处理: PTA、离子氮化, 真空热处理, 气体氮化, 镀铬, 磷镍合金电镀

### 机筒材质和加工范围:

- 机筒基材: 38CrMoAlA(JIS SACM645), 42CrMo(JIS SCM440), SKD61
- 机筒内径范围: Φ12~350 mm
- 机筒最大长度: 12000 mm
- 处理方式: 离心铸造, 中频淬火, 气体氮化, 离子氮化, 镀铬, 磷镍合金电镀

### Main technical specifications:

- Tempering hardness: 270 ~ 300HV
- Nitride hardness: 900 ~ 1020HV
- Nitride layer thickness: 0.5 ~ 0.8mm
- Nitride brittleness: ≤1 grade
- Surface roughness: Ra 0.4 μm

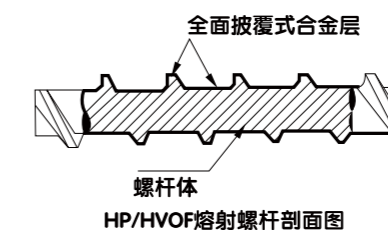
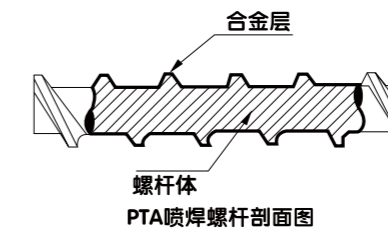
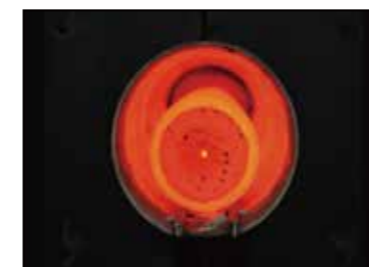
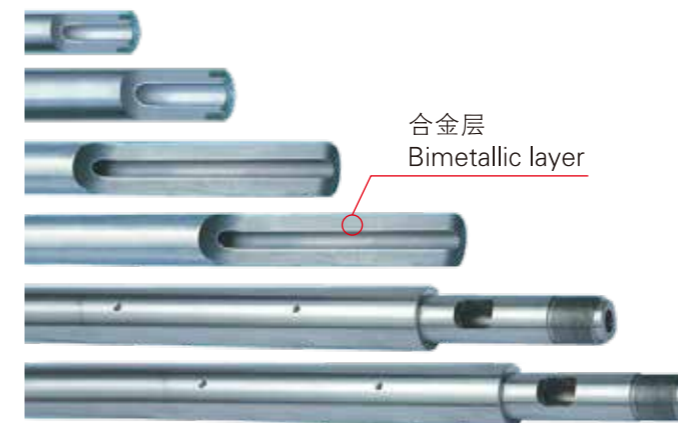
### Screw material & manufacturing range:

- Screw Material: 38CrMoAlA(JIS SACM645), 42CrMo(JIS SCM440), SKD61
- Screw Diameter Range: Φ12~350 mm
- Maximum Length of Screw: 9,000 mm
- Surface Treatment: PTA, Ion nitride, heat treatment, gas nitride, hard chrome plating, phosphor nickel alloy plating

### Barrel material & manufacturing range:

- Barrel Material: 38CrMoAlA(JIS SACM645), 42CrMo(JIS SCM440), SKD61
- Barrel Inside Diameter Range: Φ12~350 mm
- Maximum Length of Barrel: 12000 mm
- Treatment: Centrifugal Casting, Medium Frequency, Gas oxidation, Ion nitride, Hard chrome plating, Phosphor nickel alloy plating.

## 双合金螺杆机筒 Bimetallic Screw & Barrel



双合金螺杆也从以往的 PTA 牙顶喷焊, 更新设备采用高压速 (HP/HVOF) 全面合金披覆的熔射技术。WPT1 耐腐蚀型合金适用于尼龙、PVC、PC、PMMA 等, WPT2 耐磨耐高温型合金适用于尼龙玻纤、磁粉、铝镁粉、电木注塑等, WPT3 兼有 WPT1、WPT2 两种特性, 耐磨耐腐蚀耐高温。For our bimetallic screw, we have adopted a new technology of surface hardening process by the whole screw surface instead of only hard facing the screw flights by PTA treatment.

双合金熔胶机筒方面。从以往的合金含钨 10% 提升至含碳化钨 30% 及 50%, 可加工长度亦从 3000mm 提升至 4000mm。For bimetallic barrel, we have raised its tungsten carbide content to 30% and 50% from the previous 10% of tungsten carbide and increased the processing length to 4000mm from the previous length of 3000mm.

- 用途区分: 注塑成型机械用/挤出机械用
- 加工范围: 内径  $\phi 12 - \phi 350$ mm
- 有效长度: 12000mm
- 基材成分: SACM645、SCM440、38CrMoAlA
- 合金层深度: 2mm~3mm

- Application: for injection molding machine and extruder
- Products range: Inner diameter  $\phi 12 - \phi 350$ mm
- Effective length: 12000mm
- Material: SACM645, SCM440, 38CrMoAlA
- Thickness: 2mm~3mm

## 锥形双螺杆与双孔料筒 Conical Twin Screw & Barrel



### 材料

优质合金钢

- 38 CrMoAlA(JIS SACM645)
- 9 Cr18MoV

### 表面处理

- 渗氮处理
- 喷涂耐腐蚀、耐磨双金属层

### Material

Alloy-Steel of High-quality

- 38 CrMoAlA(JIS SACM645)
- 9 Cr18MoV

### Heat-treatment

- Nitriding treatment
- Spray coating Bimetallic-alloy

### 技术指标

- 氮化层深度：0.50-0.80mm
- 氮化硬度：900-1020HV
- 氮化脆性：≤一级
- 表面粗糙度：Ra0.4
- 螺杆直线度：0.015mm
- 氮化后表面镀铬硬度：≥950Hv
- 镀铬层厚度：0.025-0.085mm

### Technical data

- Depth of nitration layer: 0.50-0.80mm
- Hardness of nitration: 900-1020HV
- Fragility of nitration: Less than grade one
- Roughness of the surface: Ra0.4
- Linearity of the screw: 0.015mm
- The surface hard chromium plating hardness after Nitrogenation : ≥ 950Hv
- Chrome-plating layer thickness: 0.025-0.085mm

## 平行（同向 异向）双螺杆与机筒 Parallel Twin Screw & Barrel



### 材料

优质合金钢

- 38 CrMoAlA(JIS SACM645)
- 42 CrMo(JIS SCM440)
- 9 Cr18MoV
- CW6Mo5Cr4V2

### 热处理

- 渗氮处理
- 电镀硬铬层
- 喷涂耐腐蚀、耐磨双金属层

### Material

Alloy-Steel of High-quality

- 38 CrMoAlA(JIS SACM645)
- 42 CrMo(JIS SCM440)
- 9 Cr18MoV
- CW6Mo5Cr4V2

### Heat-treatment

- Nitriding treatment
- Electroplated hard-chrome finish
- Spray coating Bimetallic-alloy



## 塑料管材挤出机头 Pipe Extrusion Mould

### 应用: Application:

JWELL 设计制作的各种规格的模具广泛用于供水、排水、燃气、矿用及非开挖等领域。  
Jwell company design and manufacture different kinds of mould widely used for supply water, drain water, gas supply, mining exploring, and Non-excavated areas.

### 性能和优点: Performance and advantages:

PVC 挤出模具采用双支架设计及优化的流道设计使管材具有较强的抗冲击能力。PE 挤出模具采用螺旋熔体分配技术，结合同心，锥面分配器，适用于任何圆形截面的单层或多层挤出，顺畅的螺旋流道设计具有如下的优点：

PVC extrusion mould design and optimization of double-stent flow of the design to make pipes with strong shock resistance. PE extrusion mould with spiral distribution technology, combined with concentric, cone distributor, suitable for any cross section of single-or multi-extrusion, smooth spiral flow design have below advantages:

- 提供更优良的流动性, 让物料流动无死角
- 极低的压力损耗
- 较低的熔体温度
- 更换颜色时的流道快速清洁
- Providing high quality fluence, not any corner during fluent
- Lower pressure consumption
- Lower melting temperature
- Clean runner quickly when changing color

**机头直径范围:**  $\Phi 16\text{mm}-\Phi 1600\text{mm}$   
**Pipe Diameter Range:**  $\Phi 16\text{mm}-\Phi 1600\text{mm}$



## 中空成型机模头 Blow-Molding Die Head

JWELL 为了让客户得到一套挤出稳定的模头系统，提供精心设计，精密的加工和周到的服务。为满足不同高分子材料、不同层数以及其他特殊要求，运用国际先进的三维设计软件，以确保最佳的流道设计。

JWELL will offer clients die-heads with smooth and stable extrusion, professional design, precise processing and good after-sale service. In order to meet different demands of the polymer materials, different layer structures and other special demands, all the dieheads are designed by modern three dimensional designing softwares, so the channel of thermo-plastics is the best one for the customers.



双层单模头  
Two-layer single die head



储料式模头  
Accumulating die head





## 挤出平模头 Extrusion T-Die

JWELL秉承精密机械制造的理念，为建材、家电行业的塑料产业者和包装材料产业者提供最具价值的挤出成型系统。凭借在塑料挤出行业多年积累的实际经验和现场数据，吸收国外先进的技术，对产品不断进行改进和设计。我们的挤出平模头成型系统应用于诸如片材板材、流延膜、挤出涂布、中空板、发泡板等多种形式的挤出成型中。

JWELL in accordance with the concept of precision machinery manufacturing, supply the most valuable extrusion molding system to the industry of building materials, household appliances and plastics packaging.

Base on the many years' hands-on experience and on-site data in the plastic extrusion industry, absorb the foreign advanced technology, we improve the design of product continuously. Our T-Die in many kinds of extrusion molding system, such as sheet & plate, cast film, extrusion coating, hollow plates, foam boards etc.

### 我们的挤出平模头制造能力： The manufacture capability of our T-Die:

- 板材、片材制品模具 — 最大宽幅可达8000mm. 包含PP PS PE ABS PVC EVA PET PC PMMA PU PA等各种聚合物制品模头。  
通过配套专用分配器可生产七层以下对称或非对称等片材、板材制品。
  - 薄膜类制品模头 — 最大宽幅可达6500mm. 包含PP PE PA PVC EVA PVB等多种聚合物制品模头。  
通过配套薄膜模头专用分配器和几何倍增器可将复合层数倍增至最多60层。
  - 发泡类板片制品模头 — 最大宽幅可达2000mm. 包含XPS发泡、PVC发泡、PE发泡；XPS发泡最大制品厚度可达100mm。  
PVC PE发泡可生产单层、共挤芯层发泡、微发泡等多种不同类型的发泡制品。
  - 中空格子板模具 — 最大宽幅可达2500mm. 适应各种产品不同的结构要求，通用型阳光板厚度从4-25mm。  
多层结构板包括H型、X型等结构，厚度可达36mm以上，并可以双面涂覆抗紫外线层。
- Extrusion Die for Plate & Sheet — Max. width - 8000mm.
  - Extrusion Die for film — Max. width - 6500mm.
  - Extrusion Die for foam board — Max. width - 2000mm.
  - Hollow profile Die — Max. width - 2500mm.



### 设计 Design

为了满足不同产量、不同的复合层数、不同种类的高分子材料以及其他各种特殊要求，运用国际先进的三维设计软件，我们的工程师为客户定制各种专用的模头，确定最佳的流道设计。

In order to satisfy different demands of the output, layers, high polymer material, our engineers, being equipped with modern three dimensional design software, manufacture special die and confirm the best channel design for customers.

### 制造 Manufacture

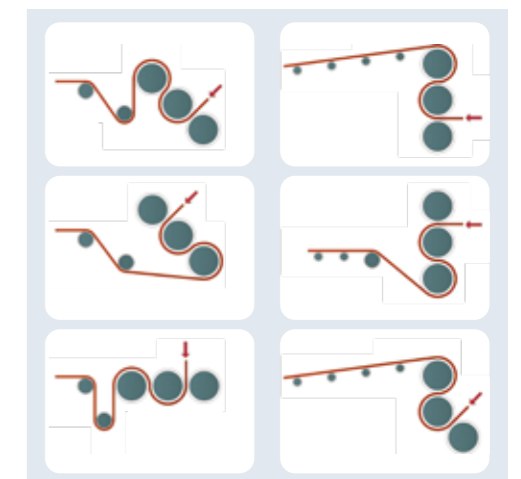
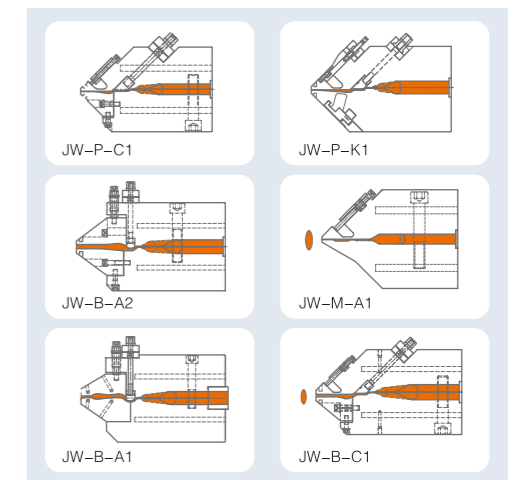
模具的质量取决于加工设备的精度，公司拥有数百台先进的数控加工中心，能够迅速的加工出形状复杂的各种流线形表面而且能达到极高的公差要求。能够加工的模头宽度最大可达8000mm。技艺娴熟的模具工人对所有的模头表面进行手工抛光，以达到最高的表面要求。

Quality of dies depends on the the exactness of manufacture equipment. With more than 100 modern CNC, we can immediately produce streamlined surface with complex shape and reach the demand of tolerance. The max. width of the die which we can produce is 8 meters. Experienced workers polish the die by hand to meet the highest demands of the surface.

### 服务 Service

我们设有专门从事模头翻新和修复服务的车间，对Jwell生产的模头以及其他厂家生产的模头进行修复和翻新，通过修复和翻新那些磨损的模头，恢复甚至提高它们原有的性能，从而使得客户在模头所作的原始投资能够得到保护。

We have the workshop specially for renewing and amending of dies, so that we can renew and repair dies made by Jwell or other companies in order to regain and improve function of dies.



## 防水卷材模头系列

### Waterproof Sheet Coil Die Series

#### 7.4米防水卷材模头

#### 7.4 meters waterproof sheet coil die



PVC、EVA、PE 新型防水材料具有较强的抗渗透性,有良好的防水性能,较高的耐高温、低温性能,有较好的强度及延伸率,并有优异的耐老化性特点。广泛应用于工业与民用建筑的屋面防水、建筑物地下防水、隧道防水、人工湖防水等。

特点:

- 计算机辅助歧管设计使物料分布均匀,使宽幅制品得以实现。
- 加长的模唇提高了成品取向的一致性,降低了模头膨胀,对调节的反应灵敏度大大提高。
- 在模腔中心处歧管与口模结合处所形成的曲线相贯线能够改善物料的侧向流动和分配。
- 上模唇可微调,下模唇可更换可生产不同厚度制品(1-4mm 最大可做到 10mm)。
- 带有节流棒调节功能,能适用不同原料、不同厚度制品的挤出。

PVC, EVA, PE new type of waterproof material have high performance of anti-permeability, water-proofness, thermo-stability and cryogenic property, high strength and elongation and have the characteristic of aging resistance, are widely used for waterproof in building roof of industry and civil construction, underground, tunnel, artificial lake, etc.

Characteristics:

- CAD of manifold making the material distributing uniformly and realize the wide products.
- The lengthening die lip improved the uniform orientation, reduced the expansion of die, highly improved the reaction of regulating.
- Line of intersection for curve formed on the joint between the center manifold of die chamber and die lip can improve the flow of side directions and distributing.
- Micro-adjustable upper die lip and changeable lower die lip for producing different thickness( 1-4mm, the maximum is 10mm. )
- With the function of restrictor bar adjusting and be suitable for the extrusion of different materials and thickness.

## 片材模头系列 Sheet Die Series

### JW-P-K1

快速开口系列模头，上模唇推拉式微调，柔性下模唇可实现不停机在线快速调整制品厚度规格，调节范围最大达 5mm，带 45 度节流棒调节装置，适用生产 PC、PS、PP、PE、PLA 等单层或多层片板。

Fast opening die series, the upper die lip with fine-tuning push-pull type, the flexible lower die lip can adjusting product thickness on-line without stop, the Max adjusting range up to 5 mm, Equip with 45° blocking bar, it is suitable for produce PC, PS, PP, PE, PLA, single-layer or multi-layer plate .



### JW-P-A1

标准衣架式流道设计，上模唇可微调，适用生产 PET(APET、PETG) PC、PS、PP、PLA 等，单层或多层片板，宽度≤2100mm，厚度 0.14-2mm。

With coat-hanger channel, micro-adjustable upper die lip, the die is perfect for single-layer or multi-layer PET(APET, PET)PC, PS, PP, PLA plate with the width ≤2100mm, and the thickness between 0.14-2mm.



## 板材模头系列 Plate Die Series

### JW-B-C1

标准衣架式流道设计，上模唇采用推拉式或推出式微调，下模唇可换，调节范围最大达 5mm，适用生产 PC、PMMA、GPPS、PET、等单层或多层高透明片材或板材。

Standard coat-hanger design, the upper die lip adjusting adopts the push-pull type or push-out fine-tuning type;the lower die lip can exchange, the maximum adjusting range up to 5 mm, it is suitable for the production of PC, PMMA, GPPS, PET, single-layer or multi-layer high transparent sheet or plate



### JW-B-A2

重型模头采用标准衣架式流道设计，上模唇可调、下模唇可换及 45 度调节阻流棒调节装置，能够满足不同厚度制品的需求。适用生产宽度在 2000mm 以下，厚度 3-30mm 的 ABS、PE、PP 厚板。

With special coat-hanger channel design, adjustable upper die lip, changeable lower die lip and 45° blocking bar, the die adapt to ABS, PE, PP thick plate with the width below 2000mm and thickness between 3-30mm.













## 多层共挤分配器 Multi-layer Co-extrusion Distributor

复合共挤分配器 适合各种聚合物料，配合挤出平模使用，可按照客户的分层要求，均匀地复合挤出成为薄膜、片材、板材制品。根据适用的塑胶原料和使用情况，有芯棒式、堵块式、摆叶式等形式可供选择，通过更换进料处的分层排序轴改变复合层的排列次序。可以处理的复合层数从2层到5层甚至更多。

Multi-layer co-extrusion feedblocks are suitable for various polymer plastic materials. Based on the customers' different requirements, a combination of T-die and co-extrusion feedblock provides the most competitive edge for film and sheet production. There are different modes of configuration for different features of plastic materials, layers which the feedblock can manage can reach 2 to 5 or even more.



分配器结构图 Illustration of structure of distributor

原料排列方式 Materials feeding form	流道模式 Running model	应用实例 Materials feeding form
		PS+HIPS EVA+PE PMMA+ABS ABS+HIPS APET+PETG
		PS+HIPS+PS ABS+HIPS+ABS HIPS+回料PS+HIPS HIPS+PVC+HIPS PETG+APET+PETG
		PMMA+HIPS+ABS PC+ABS+UPVC HIPS+回料PS+PS
		PEPS+HIPS+PEPS+PS HIPS+回料PS+HIPS+PS
		ABS+HIPS+回料PS +HIPS+ABS PMMA+ABS.PMMA +ABS+ABS.PMMA+PMMA

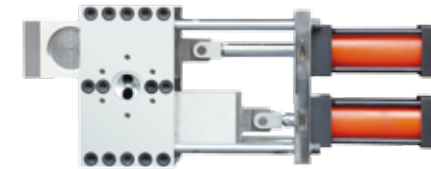
## 熔体计量泵 Melt Metering Pump



在挤出生产线上安装一台齿轮泵，通过泵前准确的测压，通过PLC调节挤出机速度，保持压力稳定、有序提供料流来优化供料过程。广泛用于如PC、PMMA、ABS、PET、PVB、PS、PP、PE等高低粘度物料的计量和增压。壳体采用优质合金钢制造，齿轮用淬硬的铬钢或其他优质金属材料制造，具有高效、防漏等优点。

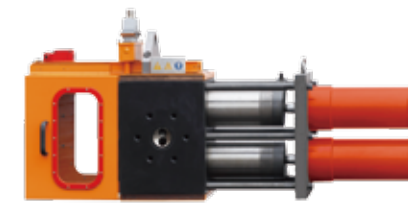
Equipping a gear pump in front of the extruder, checking pressure before the pump and controlling the speed of extrusion, which can minimize pulsation and irregular material feeding and ensures the polymer is smoothly extruded and continuously delivered to the die head. The system can be widely used to measuring and adding pressure for PC, PMMA, ABS, PET, PVB, PS, PP, PE. The shell of the pump adopts high-quality alloy-steel and the gear uses quenched chrome steel or other high-grade metallic materials which ensures high efficiency and leakage-proof.

## 液压换网系统 Hydraulic Screen Exchanger System



双板不停机液压换网器系列 Double-panel hydraulic non-stop screen exchanger series:

型号 Model	产量 (Kg/h) Output	滤网规格 (mm) Filter size	过滤面积 (mm²) Filtration area	最高承压 (Mpa) Withstanding pressure	温控分区 Heating zone	加热功率 (KW) Heating power
JW-TB-50	50-100	Φ55	1960x2	30	4	18
JW-TB-70	80-150	Φ75	3850x2	30	4	18
JW-TB-100	150-380	Φ105	7850x2	30	6	18
JW-TB-120	350-700	Φ125	11300x2	30	6	20.4
JW-TB-150	400-1000	Φ155	17670x2	25	6	22
JW-TB-180	700-1300	Φ185	25440x2	25	6	27.2
JW-TB-200	850-1700	Φ205	31415x2	20	6	41.6
JW-TB-250	1100-2200	Φ255	49087x2	20	6	52
JW-TB-300	1500-2600	Φ305	70685x2	20	6	72



双柱双工位液压换网器系列 Double column with double working position hydraulic screen exchanger series:

型号 Model	产量 (Kg/h) Output	滤网规格 (mm) Filter size	过滤面积 (mm²) Filtration area	最高承压 (Mpa) Withstanding pressure	温控分区 Heating zone	加热功率 (KW) Heating power
JW-SZ-50	50-150	Φ55	1960X2	40	2	7.5
JW-SZ-70	80-150	Φ75	3850X2	40	2	7.5
JW-SZ-100	150-380	Φ105	7850X2	35	2	9
JW-SZ-120	350-700	Φ125	11300X2	30	2	13.5
JW-SZ-150	400-1000	Φ155	17670X2	28	2	15
JW-SZ-180	700-1500	Φ185	25440X2	25	2	18

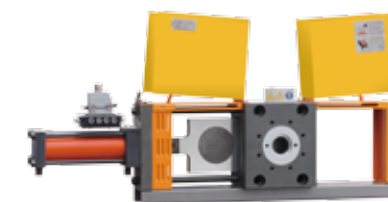


单柱液压换网器系列: Single column hydraulic screen exchanger series:

型号 Model	产量 (Kg/h) Output	滤网规格 (mm) Filter size	过滤面积 (mm²) Filtration area	最高承压 (Mpa) Withstanding pressure	温控分区 Heating zone	加热功率 (KW) Heating power
JW-DZ-50	50-100	Φ55	1960	40	2	2.4
JW-DZ-70	80-150	Φ75	3850	30	2	2.4
JW-DZ-100	150-350	Φ105	7850	30	2	3.4
JW-DZ-120	250-400	Φ125	11300	25	2	6.4
JW-DZ-150	350-600	Φ155	17670	25	2	8
JW-DZ-180	450-1000	Φ185	25440	25	2	10

单板双工位液压换网器 Single-panel with double working position screen exchanger:

型号 Model	产量 (Kg/h) Output	滤网规格 (mm) Filter size	过滤面积 (mm²) Filtration area	最高承压 (Mpa) Withstanding pressure	温控分区 Heating zone	加热功率 (KW) Heating power
JW-DB-50	50-100	Φ55	1960	30	2	5
JW-DB-70	80-150	Φ75	3850	30	2	6
JW-DB-100	150-350	Φ105	7850	30	3	6
JW-DB-120	250-400	Φ125	11300	30	3	6.4
JW-DB-150	350-600	Φ155	17670	25	3	7
JW-DB-180	450-1000	Φ185	25440	25	3	8
JW-DB-200	550-1300	Φ205	31415	20	3	12
JW-DB-250	850-1700	Φ255	49087	20	3	13
JW-DB-300	1100-2000	Φ305	70685	20	3	14



**相关产品链接** Linkage of Relating Auxiliary Equipment



三辊压光机  
Three roller calender



小型同向双螺杆造粒机组  
Co-rotation parallel twin-screw pelletizing machine



破碎机  
Crusher



塑料中空成型机  
Blow-molding Machine



挤出机  
Extruder



蓄能式液压站  
Hydraulic station



单螺杆双螺杆专用齿轮箱  
Special gearboxes for extruder



辊筒用旋转接头  
Adapter for rollers



电热片、电热管  
Heating rings, heating rods

## 我们的生产基地和遍布全球的销售服务网络 Our Workshops And Sales Network All Over The World

