

双向拉伸装备

采用先进的全闭环张力、速度、温度同步控制系统，确保薄膜在纵向 (MD) 和横向 (TD) 上实现高度均匀、精准的拉伸，赋予产品卓越的机械性能、光学性能和尺寸稳定性。优化烘箱热风循环系统与热能回收技术，显著降低能耗，提升生产经济性。生产线设计满足大宽幅、高线速的稳定生产需求，助力客户实现规模化效益。

Bi-orientation stretching equipment

Adopts advanced fully closed-loop tension, speed, and temperature synchronization control system, the film is ensured to achieve highly uniform and precise stretching in both longitudinal (MD) and transverse (TD) directions, endowing the products with excellent mechanical, optical, and dimensional stability. Optimize the hot air circulation system and heat recovery technology of the oven, significantly reduce energy consumption, and improve production efficiency. The production line design meets the stable production needs of large width and high line speed, helping customers achieve economies of scale.

提供功能性特种薄膜的定制化解决方案

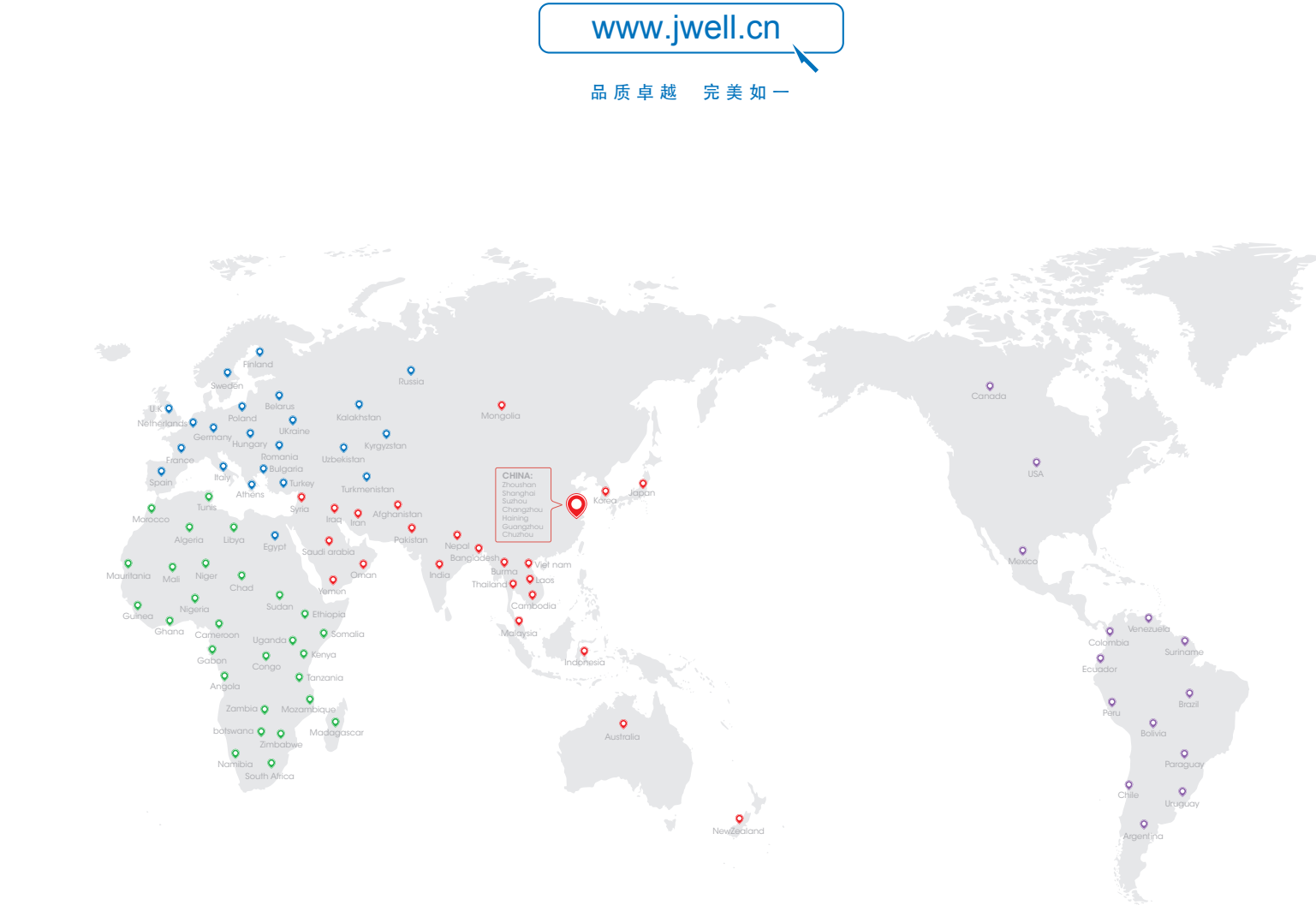
我们深知功能性薄膜（如：高阻隔膜、光学膜、锂电池隔膜、光伏背板膜、离型膜、特殊表面处理膜、生物降解膜等）对特定性能（阻隔性、透光率、耐候性、电性能、表面特性、环保性等）的严苛要求，我司可根据客户需求，定制设计各类高精度拉伸薄膜机组。

Providing customized solutions for functional special films

We are well aware of the strict requirements of functional films (such as high barrier films, optical films, lithium battery separators, photovoltaic backsheet films, release films, special surface treatment films, biodegradable films, etc.) for specific properties (barrier properties, light transmittance, weather resistance, electrical properties, surface characteristics, environmental friendliness, etc.). Our company can customize and design various high-precision stretching film units according to customer requirements.

生产线规格型号 Production Line Specification

设备名称 Item	制品宽度(mm) Products width	制品厚度(μm) Thickness	线速度(m/min) Line speed
PE/PP/PA/PET单向拉伸薄膜生产线 PE/PP/PA/PET mono-orientation stretching film line	500-3000	10-300	30-250
BOPE锂电池隔膜（双拉） BOPE lithium battery separator film line (Bi-orientation stretching)	5000-8500	5-20	60-150
BOPP/BOPET双向拉伸膜生产线 BOPP/BOPET Bi-orientation stretching film line	3000-9000	3-400	30-500
BOPA双向拉伸膜生产线 BOPA Bi-orientation stretching film line	3000-7500	10-30	150-400



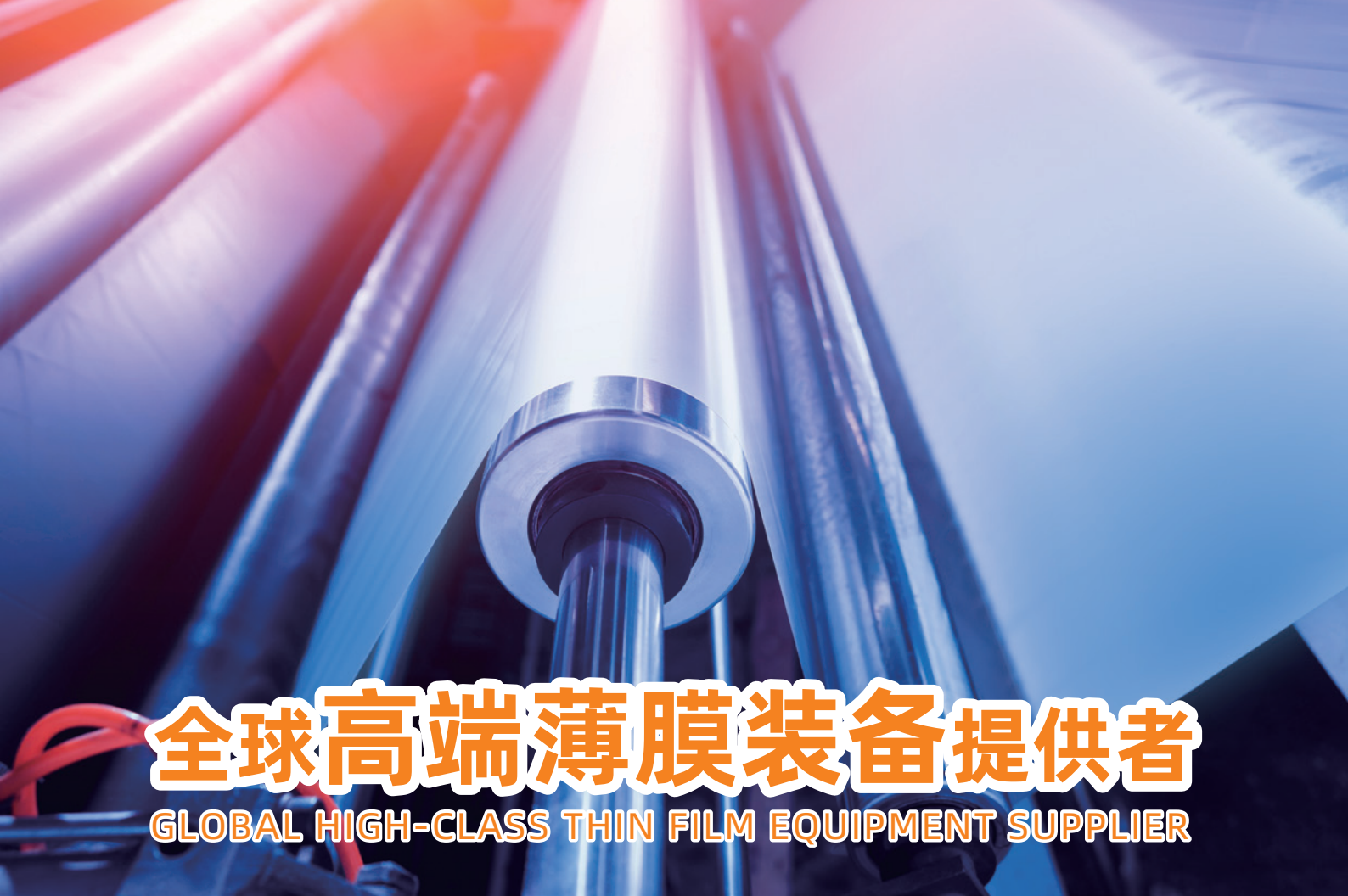
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单向/双向拉伸
薄膜生产线



金纬机械
JWELL MACHINERY



作为全球塑料机械制造的标杆企业，江苏金纬智能制造有限公司以尖端技术实力和规模化智造能力，持续引领薄膜生产装备革新。我们提供全系列单向拉伸（MDO）与双向拉伸（BOPP/BOPE/BOPET/BOPA等）薄膜生产线，更深度聚焦功能性特种薄膜的定制化智造解决方案，赋能全球客户开拓高附加值薄膜市场。
As a global benchmark in plastic machinery industry, Jiangsu Jwell Intelligent Machinery Co., Ltd. continuously leads the innovation of film production equipment with cutting-edge technological capabilities and large-scale intelligent manufacturing. We can supply full range of mono-orientation (MDO) and bi-orientation (BOPP/BOPE/BOPET/BOPA, etc.) film production lines, while also deeply specializing in customized intelligent manufacturing solutions for special functional films, empowering global customers to explore the high-valued film market.

单向拉伸装备：（MDO）

依托我司先进的整体设计和加工制造能力，研制的单向拉伸生产线，采用特殊设计的纵拉辊筒，配合高精度的动力传动及控制系统，确保了薄膜的高精度拉伸，以及优异的品质；整个机组运行稳定、速度高。

Mono-orientation stretching equipment(MDO):

Based on our advanced overall design and manufacturing capabilities, we have developed a mono-orientation stretching production line that uses specially designed longitudinal stretching rollers, coupled with high-precision power transmission and control systems, to ensure high-precision stretching of the film and excellent quality; This equipment runs stably with high speed.

MONO-ORIENTATION STRETCHING FILM LINE

单向拉伸薄膜生产线

主要应用于生产PP、PE卫材透气膜:PP、PE、PET、PS热收缩、包装行业等领域。

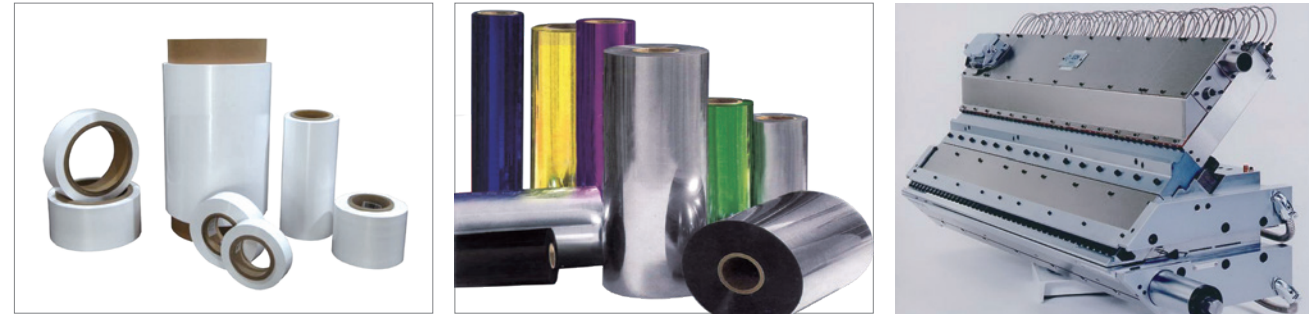
设备的主要构成:挤出机、模具、铸片、纵向拉伸、自动收卷和控制系统组成。

1-10倍拉伸倍率, 产品宽度范围500-3000mm, 厚度范围0.012-0.3mm。

Mainly used in the production of PP, PE sanitary breathable film: PP, PE, PET, PS heat shrink, packaging industry and other fields.

The main components of the equipment include extruder, T-die, casting sheet, longitudinal stretching, automatic winding, and control system.

1-10 times stretching ratio, product width range of 500-3000mm, thickness range of 0.012-0.3mm.



WET PROCESS LITHIUM BATTERY SEPARATOR PRODUCTION LINE

湿法锂电池隔膜生产线

公司自主研发的湿法锂电池隔膜生产线可满足高产量、低生产成本、薄膜质量优; 能耗低, 高自动化标准和生产稳定性; 操作简单, 维护成本低。

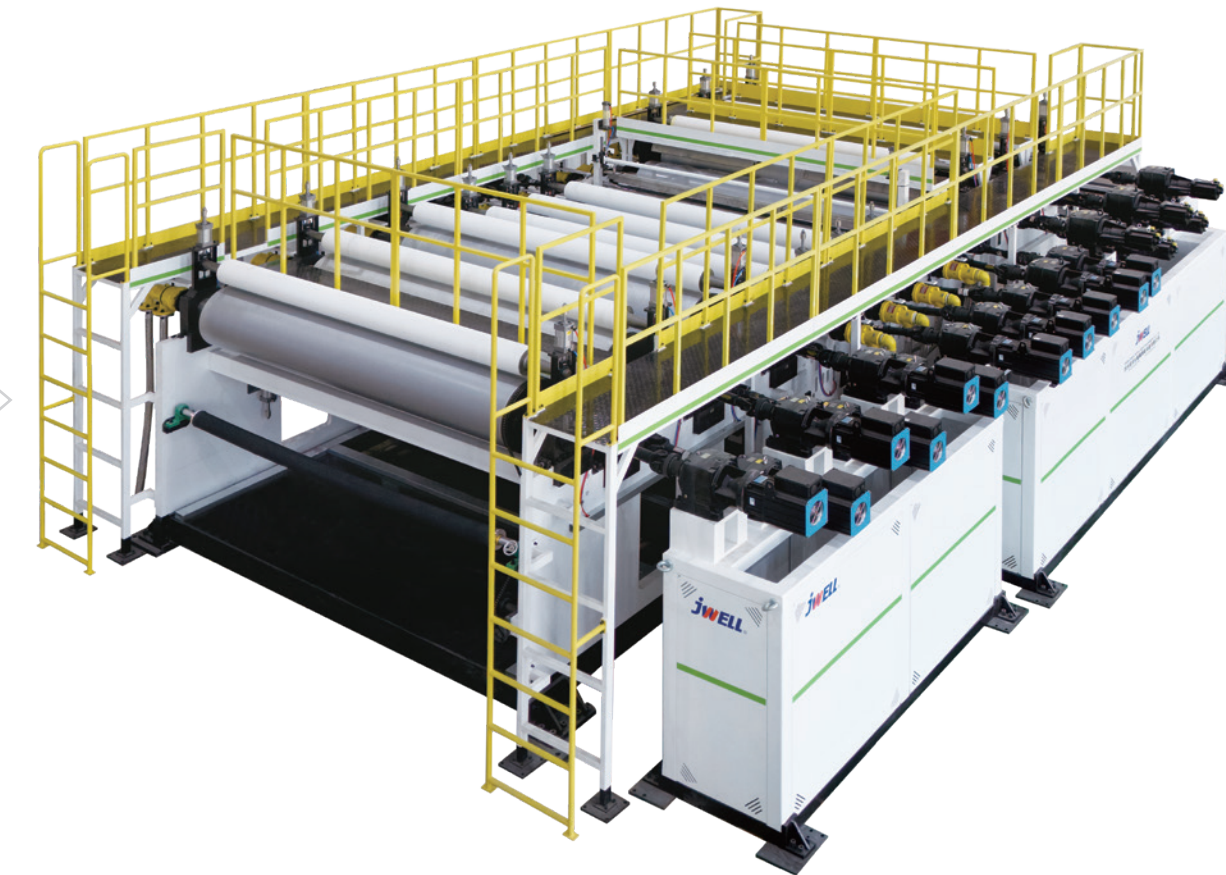
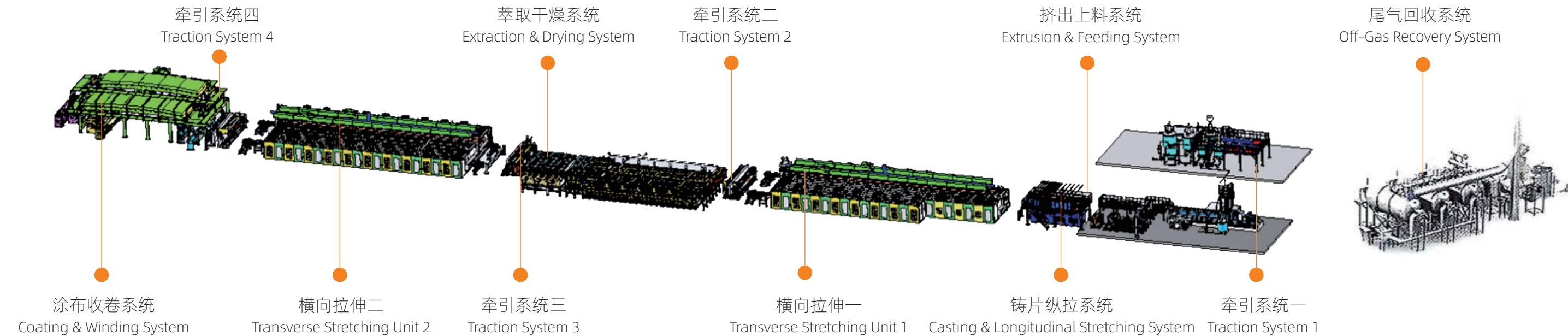
独有的螺杆挤出技术可保证熔体塑化良好, 熔温度均匀。高效的铸片单元设计, 使得薄膜表面性能更加易于调节和可控。拉伸部分可实现TD-MD双向分步拉伸和同步拉伸相融合。独有的烘箱结构设计, 保证了风速和温度的均匀性。

The wet process lithium battery separator production line independently developed by JWELL company can meet the requirements of high output, low production cost, and excellent film quality; Low energy consumption, high automation standards, and production stability; Easy to operate and low maintenance cost.

The unique screw technology ensures good plasticization of the melt and uniform melting temperature. Efficient casting unit design makes the surface properties of the film easier to adjust and control. The stretching part can achieve a fusion of TD-MD bidirectional stepwise stretching and synchronous stretching. The unique oven structure design ensures the uniformity of wind speed and temperature.

6.5-8.5-meter Lithium Battery Separator Bi-orientation Stretching Production Line

6.5-8.5米锂电隔膜双向拉伸生产线



JWELL不止于设备供应商 我们是您的薄膜战略共创伙伴

JWELL is not just an equipment supplier - we are your film strategic co creation partner

