

## 小型实验机挤出设备 Small Laboratorial Extrusion Equipment

### 小型试验机挤出设备 Small testing extrusion line

金纬公司提供的小型试验机挤出设备,可完成挤出、流延、制片、拉伸、复合等挤出成型的加工实验。主要应用于各大化工院校、塑料研究所等科研机构的高分子材料的性能加工测试和高分子产品企业的研发部门的新产品开发以及普通塑料制品企业的定制产品打样工作等。

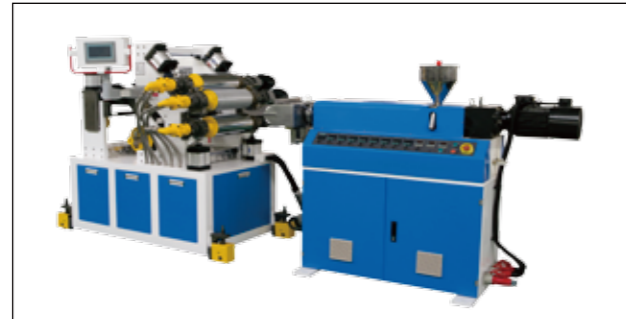
The small testing extrusion lines provided by JWELL Co. can meet the demands of extrusion, casting, sheet production, stretching and composite etc. processing tests. These lines are used by some Chemical Colleges and Plastics Research Institutes to process and test the performance of the polymer material; It is also for developing new products or making samples and other application in plastic factory's research department.

复合型导电高分子是在本身不具备导电性的高分子材料中掺混入大量导电物质,如炭黑、金属粉、箔等,通过分散,表面铜皮复合等方法构成的复合材料。

Composite conductive polymer is a composite material made by mixing a large quantity of conductive materials, such as carbon black, metal powder, foil, etc., into the polymer material which is not conductive itself, and the surface laminated with copper sheet.

与传统导电材料相比较,复合型导电高分子材料具有许多独特的性能。

Compared with traditional conductive materials, composite conductive polymer has many unique properties.



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## 塑料片材挤出试验机 Laboratorial Extrusion Equipment for Sheet



### 设备简介 Equipment introduction

可完成常规片材的挤出、多辊压延、切边、牵引收卷等功能，小型精密单螺杆挤出单元和压延单元为分体结构，具备独立机架。It can complete the extrusion of conventional sheets, multi-roller calender, trimming, drawing and winding, etc. The small precision single-screw extrusion unit and calender unit are of separate structure and have independent frames.

### 应用范围 Application range

各种材料片材制品 Kinds of plastics sheet making  
材料配方研发 Material formulation development  
高粘度材料压延成型 High viscosity material calendaring  
多层功能材料复合 Multilayer functional material compound

### 主要技术参数 Main technical parameter

挤出机规格 Extruder type	JWS45/35, 电机15Kw 1500rpm
挤出机产量 Extruder capacity	20-30Kg/h
三辊压光机 Three roller size	φ 170X400, 伺服电机 1.3KwX3
牵引机 Puller	φ 120X400, 伺服电机 0.85Kw
收卷机 Winder	力矩收卷 3°气涨轴
线速度 Line speed	10m/min

如果需要详细介绍资料请查看各专业公司样本和公司网站。For more details, welcome to visit JWELL website www.jwell.cn

### 产品性能 Equipment performance

三辊采用线性滑轨导向，可精确控制片材厚度  
三辊均由伺服电机独立驱动，可增加压延工艺调整灵活性  
可选配熔体泵和静态混合器以提高物料的塑化、均化效果  
可针对不同工艺选择双辊 / 三辊 / 四辊压延

Three rollers with linear slide guide for precise sheet thickness control  
The three rollers are independently driven by the servo motor, which increases the flexibility of the calender process. Optional melt pump and static mixer to improve the plasticization and homogenization of materials. Double-roller / three-roller / four-roller calender can be supplied for different processing requirements.

## 塑料薄膜挤出试验机 Laboratorial Extrusion Equipment for Film



### 设备简介 Equipment introduction

主要由流延辊组件、橡胶压辊组件、放送组件、预热辊组件、过渡辊组件及整机升降组件组成，可以完成通用材料表面淋膜涂覆工艺，用于制备多层复合薄膜。

It mainly consists of film casting unit, rubber press-roller unit, conveying unit, preheating-roller unit, transition-roller unit and lifting unit of the whole machine. It can complete the coating and laminating process of general material surface and be used to prepare multi-layer composite film.

### 应用范围 Application range

多层功能薄膜制品 Multi-layer functional thin film production  
聚合物材料的流延性能测试 Testing of casting properties of polymer material  
新产品配方研发 Research and development of new product formula  
生产工艺参数优化 Optimization of production process parameters  
窄幅薄膜小规模化生产 Small-scale production of narrow-width thin films

### 产品性能 Equipment performance

各挤出主机与主控触屏联动，可远程操作与监控  
制备单层或多层共挤流延薄膜  
可选配熔体泵和静态混合器，以提高物料的塑化均化效果，提升薄膜质量

The main extruder is linked with the main control touch screen, which can be operated and monitored remotely.

Making single or multi-layer co-extruded casting film.

Melt pump and static mixer can be optionally provided to improve the plasticizing and homogenizing effect of materials.

## 塑料板材挤出试验机 Laboratorial Extrusion Equipment for Plate



### 设备简介 Equipment introduction

主要由挤出主机、挤出模头、多辊压延机，切边，牵引收卷组成，可以实现多种功能材料的加工成型。It is composed of several independent extruders, multi-layer extrusion T-die, halt-off unit and winding units, which can make multi-layer functional material composition.

### 应用范围 Application range

各种材料板材制品 Making kinds of plastic plate  
材料配方研发 Research and development of material formula  
高粘度材料压延成型 Calendaring and forming of high viscosity materials  
多层功能材料复合 Compositing multi-layer functional material

### 产品性能 Equipment performance

三辊采用线性滑轨导向，可精确控制板材厚度  
三辊均由伺服电机独立驱动，可增加压延工艺调整灵活性  
可选配熔体泵和静态混合器以提高物料的塑化、均化效果  
可选用花纹辊 / 雾面辊实现板材的不同的表面处理  
可针对不同工艺选择辊筒排布形式

The three rollers are guided by linear sliding track which can precisely control the thickness of plate.

Three rollers are driven independently by servo motor, which can increase the flexibility of calendaring process adjustment.

Melt pump and static mixer can be provided optionally to improve the plasticizing and homogenizing effect of materials.

Embossing roller and matt roller can be provided for different plate surface treatment.

Calender can be designed specially for different processing requirement and purpose.