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无锡市天牛智能装备有限公司

Wuxi Tianniu Intelligent Equipment Co., Ltd.

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## 热熔胶涂布装备 V2024.01

Hot melt adhesive coating equipment

无锡市天牛智能装备有限公司  
Wuxi Tianniu Intelligent Equipment Co., Ltd.



# COMPANY PROFILE

## 公司简介

无锡市天牛智能装备有限公司成立于2006年6月，坐落于风景秀丽、交通发达的良渚文化发祥地—江阴市璜土镇。目前拥有专业的研发、制造、销售团队100多人，工程技术人员20多人。

天牛智能装备有限公司是行业领先的涂布技术制造企业，以国际先进同行为标杆，致力于推动涂布技术的应用与发展，打造国内一流的涂布与复合装备。工厂整体布局合理：拥有业内先进的涂布复合实验室；进口的德马吉、马扎克加工中心，日本岗本高精度平面磨床等机加工设备；设施齐全的标准化厂房。

Wuxi Tianniu Intelligent Equipment Co., LTD. was founded in June 2006, and is now located in Huangtu Town, Jiangyin City. As a birthplace of Liangzhu culture, you can find beautiful scenery and developed traffic here. At present, There are more than 100 professional R & D, manufacturing and sales personnel in this team, with more than 20 engineering and technical personnel.

Tianniu Intelligent Equipment Co., Ltd. is a leading coating technology manufacturing enterprise in the industry. It is committed to promoting the application and development of coating technology and creating domestic first-class coating and lamination equipment with international advanced benchmarking. The overall layout of the factory is reasonable, and it's a fully equipped standardized plant. Tianniu is equipped with the industry's advanced coating and lamination laboratory; imported Damage and Mazak machining center; OKAMOTO high-precision surface grinding machine and other machining equipment.



设施齐全  
Fully equipped



先进的涂布与复合试验中心  
Advanced coating and lamination laboratory



进口加工中心  
Imported machining centers



芜湖生产基地

2006<sup>年</sup>

公司成立  
Company established

2.2<sup>万/m<sup>2</sup></sup>

占地面积  
Cover an area

1.8<sup>万/m<sup>2</sup></sup>

建筑面积  
Floor space

100<sup>+人</sup>

专业人员  
Professional staff



江阴生产基地



沙市生产基地

公司理念：公司创始人周耐龙先生提出“以国际标准为标杆，以市场需求为导向，提供专业的团队服务，打造精细的生产装备。”

公司发展战略：关注行业痛点，集涂布与复合装备的研发、生产于一体，以天牛系列高效精密涂布装备助力行业持续发展。

Company philosophy: Mr. Zhou Nailong, the founder of the company, put forward 'demanding ourselves with international standards, satisfying customers with market demand, better professional team service, and higher precision production equipment'.

Company development strategy: pay attention to the pain points of the industry, set the research and development and production of coating and lamination equipment in one, and help the sustainable development of the industry with Tianniu series efficient precision coating equipment.

# DEVELOPMENT HISTORY

## 发展历程



# PRODUCT CATALOG

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## TN-HL-1750-300

### 300M/min标签热熔胶涂布机

TN-HL-1750-300 300m/min Hot Melt Adhesive Coating Machine for Label Stock



#### 应用领域

- ✦ 不干胶标签行业纸类基材、膜类基材热熔压敏胶涂布

#### 特点

- ✦ 无刮痕热熔胶模具, 可以获得高涂布精度和高品质胶面;
- ✦ 最高线速度: 300m/min;
- ✦ 涂布量: 12~50g/m<sup>2</sup>;
- ✦ 涂布精度:  $\pm 1\text{g/m}^2$  ( $\leq 20\text{g/m}^2$ );
- ✦ 标配: 直径 1200mm 的双工位圆盘有轴收放卷, 不减速自动换卷;
- ✦ 选配: 布套加湿单元、转盘离心加湿单元、在线厚度及水分测量单元;
- ✦ 标准辊面宽度: 1200、1450、1750mm, 其它宽度可非标定制。

#### Application area

- ✦ Hot melt PSA coating for paper and film substrates in the adhesive label industry.

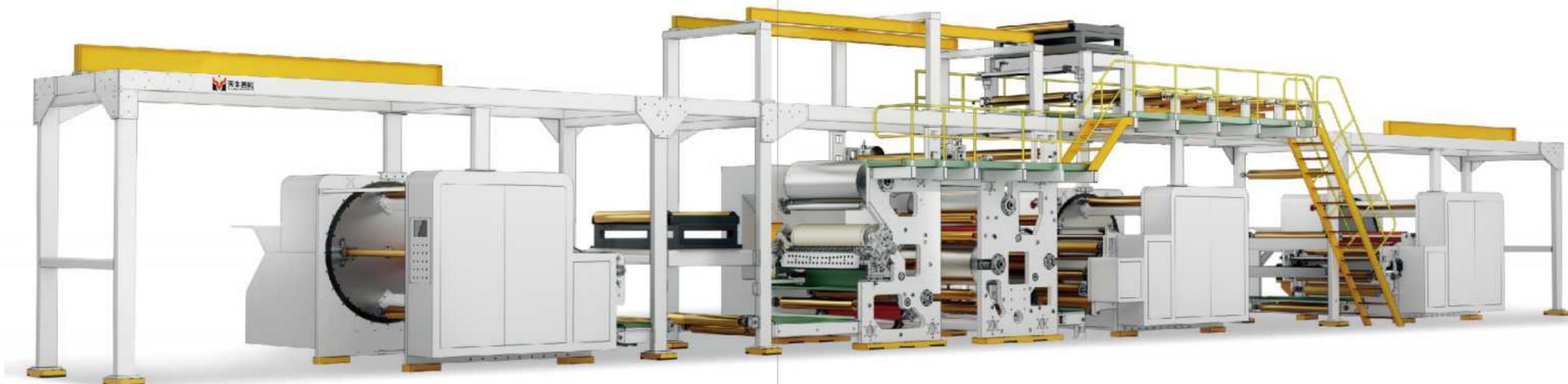
#### Features

- ✦ Rotary bar hot melt adhesive mold, which can achieve high coating accuracy and high-quality coating surface;
- ✦ Maximum linear velocity: 300m/min;
- ✦ Coating weight: 12-50g/m<sup>2</sup>;
- ✦ Coating accuracy:  $\pm 1\text{g/m}^2$  ( $\leq 20\text{g/m}^2$ );
- ✦ Standard configuration: Turret unwinder and rewinder (with a diameter of 1200mm) with air shaft, which can automatically change rolls without deceleration;
- ✦ Optional: Cloth cover humidification unit, disc spray humidification unit, online thickness and moisture measurement unit;
- ✦ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

# TN-HL-1750-400

## 400M/min标签热熔胶涂布机

TN-HL-1750-400 400m/min Hot Melt Adhesive Coating Machine for Label Stock



### 应用领域

- ✦ 不干胶标签行业纸类基材、膜类基材高速热熔压敏胶涂布。

### 特点

- ✦ 无刮痕热熔胶模具，可以获得高涂布精度和高品质胶面；
- ✦ 最高线速度：400m/min；
- ✦ 涂布量：12~50g/m<sup>2</sup>；
- ✦ 涂布精度：±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>)；
- ✦ 标配：直径1200mm的双工位圆盘有轴收放卷，不减速自动换卷；
- ✦ 选配：布袋加湿单元、转盘离心加湿单元、在线厚度及水分测量单元；收放卷可以升级为直径1300墙板式无轴收放卷。
- ✦ 标准辊面宽度：1200、1450、1750mm，其它宽度可非标定制。

### Application area

- ✦ High speed hot melt PSA coating for paper and film substrates in the adhesive label industry.

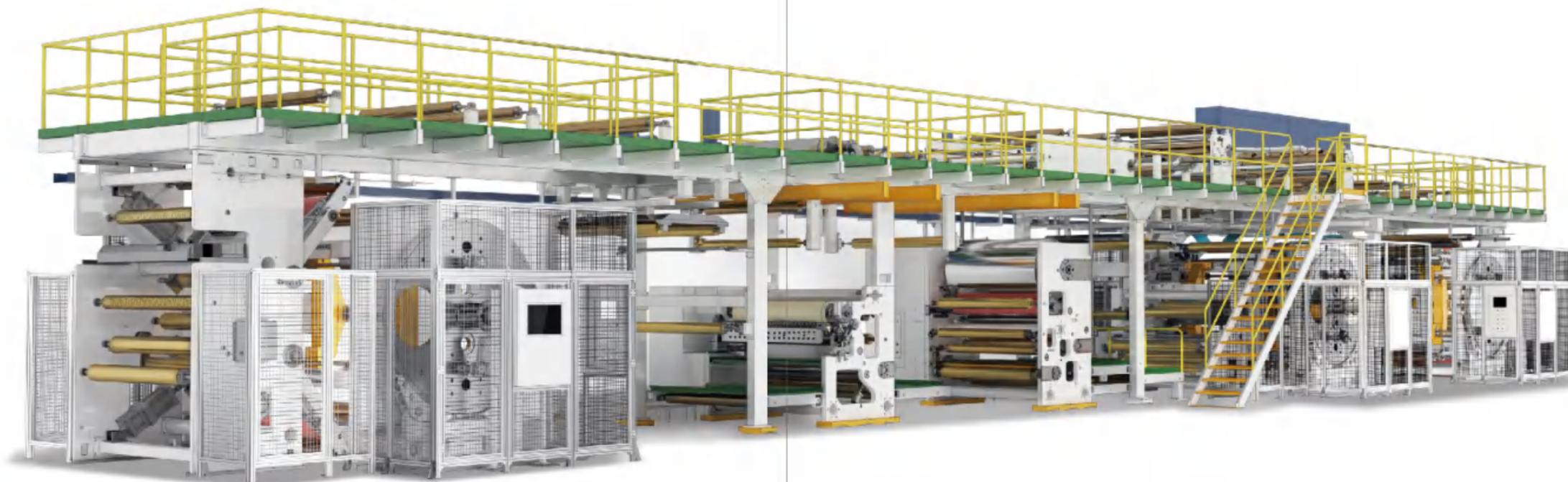
### Features

- ✦ Rotary bar hot melt adhesive mold, which can achieve high coating accuracy and high-quality coating surface;
- ✦ Maximum linear velocity: 400m/min;
- ✦ Coating weight: 12-50g/m<sup>2</sup>;
- ✦ Coating accuracy: ±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>);
- ✦ Standard configuration: Turret unwinder and rewinder (with a diameter of 1200mm) with air shaft, which can automatically change rolls without deceleration;
- ✦ Optional: Cloth cover humidification unit, disc spray humidification unit, online thickness and moisture measurement unit; The turret unwinder and rewinder can be upgraded to 1300 diameter, shaftless.
- ✦ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

## TN-HL-1750-600

### 600M/min标签热熔胶涂布机

TN-HL-1750-600 600m/min Hot Melt Adhesive Coating Machine for Label Stock



#### 应用领域

- ✦ 不干胶标签行业纸类基材、膜类基材超高速热熔压敏胶涂布。

#### 特点

- ✦ 最新技术无刮痕热熔胶模具, 可以获得高涂布精度和高品质胶面;
- ✦ 最高线速度: 600m/min;
- ✦ 涂布量: 12~35g/m<sup>2</sup>;
- ✦ 涂布精度: ±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>);
- ✦ 标配: 直径 1500 框架式无轴收放卷, 不减速自动换卷, 换卷压辊为主动辊, 减少换卷时对材料表面摩擦引起的划伤;
- ✦ 选配: 转盘离心加湿单元、在线厚度及水分测量单元;
- ✦ 标准辊面宽度: 1200、1450、1750mm, 其它宽度可非标定制。

#### Application area

- ✦ Ultra high speed hot melt PSA coating for paper and film substrates in the adhesive label industry.

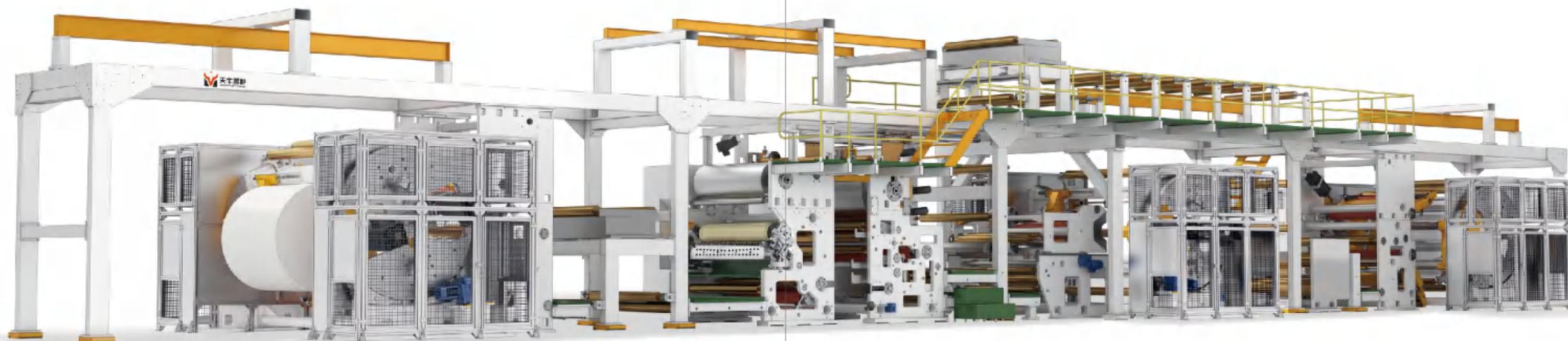
#### Features

- ✦ Rotary bar hot melt adhesive mold of the latest technology can achieve high coating accuracy and high-quality coating surface;
- ✦ Maximum linear velocity: 600m/min;
- ✦ Coating weight: 12-35g/m<sup>2</sup>;
- ✦ Coating accuracy: ± 1g/m<sup>2</sup> (≤ 20g/m<sup>2</sup>);
- ✦ Standard configuration: 1500 diameter frame type, shaftless turret unwinder and rewinder, automatic roll changing without deceleration, and press roller for roll-changing is changed to active to reduce scratches caused by friction during roll changing;
- ✦ Optional: disc spray humidification unit, online thickness and moisture measurement unit;
- ✦ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

## TN-HLUV-1750-500

### UV标签热熔胶涂布机

TN-HLUV-1750-500 600m/min Hot Melt Adhesive Coating Machine for Label Stock



TN-HLUV-1750-500

TN-HLUV-1750-500

#### 应用领域

- ✦ 不干胶标签行业纸类基材、膜类基材高品质热熔胶 UV 胶涂布。

#### 特点

- ✦ 最新技术无刮痕热熔胶模具, 可以获得高涂布精度和高品质胶面;
- ✦ 最高线速度: 500m/min;
- ✦ 涂布量: 15~50g/m<sup>2</sup>;
- ✦ 涂布精度: ±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>);
- ✦ 标配: 直径 1500 框架式无轴收放卷, 不减速自动换卷, 换卷压辊为主动辊, 减少换卷时对材料表面摩擦引起的划伤;
- ✦ 冷却复合辊配环绕式 UV 灯架, 用于生产 UV 热熔压敏胶标签, 可按用户要求配置国产或进口品牌 UV 灯组;
- ✦ 选配: 转盘离心加湿单元、在线厚度及水分测量单元;
- ✦ 标准辊面宽度: 1450、1750mm, 其它宽度可非标定制。

#### Application area

- ✦ High quality hot melt and UV hot melt adhesive coating for paper and film substrates in the adhesive label industry.

#### Features

- ✦ Rotary bar hot melt adhesive mold of the latest technology can achieve high coating accuracy and high-quality coating surface;
- ✦ Maximum linear velocity: 500m/min;
- ✦ Coating weight: 15-50g/m<sup>2</sup>;
- ✦ Coating accuracy: ± 1g/m<sup>2</sup> (≤ 20g/m<sup>2</sup>);
- ✦ Standard configuration: 1500 diameter frame type, shaftless turret unwinder and rewinder, automatic roll changing without deceleration, and press roller for roll-changing is changed to active to reduce scratches caused by friction during roll changing;
- ✦ Cooling and lamination roller is equipped with the wrap-around UV lamp rack, which is used for producing UV hot melt PSA labels, chinese or imported brand UV lamp groups will be configured according to user's requirements;
- ✦ Optional: disc spray humidification unit, online thickness and moisture measurement unit;
- ✦ Standard roller width: 1450, 1750mm, non-standard widths can be customized.

## TN-HTF-1450-250

### 双面胶带热熔胶涂布机

TN-HTF-1450-250 Hot melt adhesive coating machine for double sided tape



#### 应用领域

- ✦ 纸类基材、棉纸或无纺布面材双面热熔压敏胶涂布。

#### 特点

- ✦ 无刮痕热熔胶模具，可以获得高涂布精度和高品质胶面；
- ✦ 最高线速度：250m/min；
- ✦ 涂布量：12~50g/m<sup>2</sup>；
- ✦ 涂布精度：±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>)；
- ✦ 标配：直径1200双工位收放卷，不减速自动换卷；
- ✦ 标准辊面宽度：1200、1450、1750mm，其它宽度可非标定制。

#### Application area

- ✦ Double sided hot melt PSA coating on paper, cotton paper or non-woven fabrics.

#### Features

- ✦ Rotary bar hot melt adhesive mold, which can achieve high coating accuracy and high-quality coating surface;
- ✦ Maximum linear velocity: 250m/min;
- ✦ Coating weight: 12-50g/m<sup>2</sup>;
- ✦ Coating accuracy: ±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>);
- ✦ Standard configuration: turret unwinder and rewinder of 1200 diameter, automatic roll changing without deceleration;
- ✦ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

## TN-HTD-1450-250

### 布基热熔胶涂布机

TN-HTD-1450-250 Hot melt adhesive coating machine for duct tape



#### 应用领域

- ✦ 布基单面热熔压敏胶涂布。

#### 特点

- ✦ 狭缝热熔胶模具，两次涂覆可以获得较高涂布量；
- ✦ 最高线速度：250m/min；
- ✦ 涂布量：20~100g/m<sup>2</sup>；
- ✦ 涂布精度：±5% (≤50g/m<sup>2</sup>)；
- ✦ 标配：直径1200双工位收放卷，不减速自动换卷；
- ✦ 标准辊面宽度：1200、1450、1750mm，其它宽度可非标定制。

#### Application area

- ✦ Single sided hot melt PSA coating for duct tape.

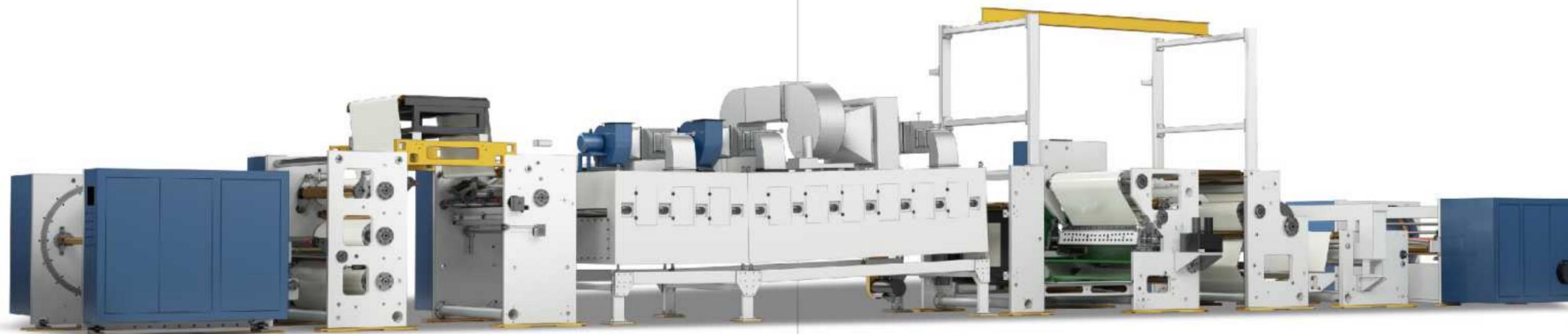
#### Features

- ✦ Slot die hot melt adhesive mold, two-time coating to achieve higher coating weight;
- ✦ Maximum linear velocity: 250m/min;
- ✦ Coating weight: 20-100g/m<sup>2</sup>;
- ✦ Coating accuracy: ± 5% (≤ 50g/m<sup>2</sup>);
- ✦ Standard configuration: turret unwinder and rewinder of 1200 diameter, automatic roll changing without deceleration;
- ✦ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

## TN-HTB-1750-350

### BOPP热熔胶涂布机

TN-HTB-1750-350 BOPP hot melt adhesive coating machine



#### 应用领域

- ✦ BOPP 薄膜正面非硅离型反面热熔压敏胶涂布。

#### 特点

- ✦ 新一代无刮痕热熔胶模具，可以获得高涂布精度和高品质胶面；
- ✦ 最高线速度：350m/min；
- ✦ 涂布量：12~25g/m<sup>2</sup>；
- ✦ 涂布精度：±1g/m<sup>2</sup> (≤20 g/m<sup>2</sup>)；
- ✦ 标配直径 800 双工位放卷，直径 800 非对称收卷大幅减少换卷时褶皱引起的浪费，不减速自动换卷；
- ✦ 选配：双螺杆制胶系统、多组分物料自动计量输送系统；
- ✦ 我们可以提供成熟的制胶工艺、涂布工艺整套解决方案；
- ✦ 标准辊面宽度：1450、1750mm，其它宽度可非标定制。

#### Application area

- ✦ BOPP film coated with non- silicone release agent on the front and hot melt PSA on the back.

#### Features

- ✦ Rotary bar hot melt adhesive mold of the new generation can achieve high coating accuracy and high-quality coating surface;
- ✦ Maximum linear velocity: 350m/min;
- ✦ Coating weight: 12-25g/m<sup>2</sup>;
- ✦ Coating accuracy: ±1g/m<sup>2</sup> (≤20 g/m<sup>2</sup>);
- ✦ Standard turret unwinder of 800 diameter, asymmetric rewinder of 800 diameter greatly reduces the waste caused by wrinkles during roll changing, and, automatic roll changing without deceleration.
- ✦ Optional: Twin screw glue making system, automatic metering and conveying system for multi-component material.
- ✦ Tianniu can provide a complete and mature solution for adhesive making and coating processes.
- ✦ Standard roller width: 1450, 1750mm, non-standard widths can be customized.

## TN-HTUV-1450-150

### UV热熔双面胶涂布机

TN-HTUV-1450-150 UV hot melt adhesive coating machine for double-sided tape



#### 应用领域

- ◆ 双面胶带 UV 热熔胶涂布。

#### 特点

- ◆ 狭缝式 / 无刮痕热熔胶模具热熔胶模具, 可以获得高涂布精度和高品质胶面;
- ◆ 最高线速度: 150m/min;
- ◆ 涂布量: 20~75g/m<sup>2</sup>;
- ◆ 涂布精度: ±5% (≤50g/m<sup>2</sup>);
- ◆ 大直径冷却辊, 环绕式 UV 灯架, 可按用户要求配置国产或进口品牌 UV 灯组。
- ◆ 标配: 直径 1200 离型纸双工位放卷, 直径 800 面材双工位放卷, 直径 1200 双工位收卷不减速自动换卷。
- ◆ 标准辊面宽度: 1200、1450、1750mm, 其它宽度可非标定制。

#### Application area

- ◆ UV hot melt coating for double-sided tape .

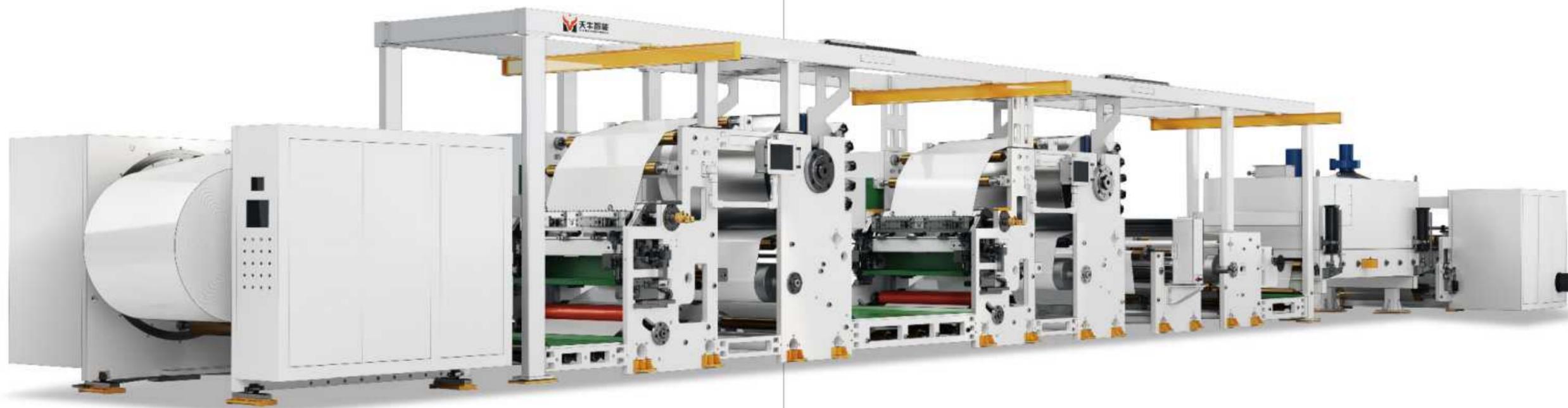
#### Features

- ◆ Slot die or non-scratch hot melt adhesive coating mold hot melt adhesive mold, which can achieve high coating accuracy and high-quality coating surface;
- ◆ Maximum linear velocity: 150m/min;
- ◆ Coating weight: 20-75g/m<sup>2</sup>;
- ◆ Coating accuracy:±5% (≤50g/m<sup>2</sup>);
- ◆ Cooling roller of large diameter, equipped with the wrap-around UV lamp rack, Chinese or imported brand UV lamp groups will be configured according to user's requirements.
- ◆ Standard configuration: Turret unwinder for release paper of 1200 diameter, Turret unwinder for face material of 800 diameter, and turret rewinder of 1200 diameter, automatic roll changing without deceleration.
- ◆ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

## TN-HTUV-1450-100

### UV布基热熔胶涂布机

TN-HTUV-1450-100 UV hot melt adhesive coating machine for duct tape



#### 应用领域

- ✦ 布基线束胶带 UV 热熔胶涂布。

#### 特点

- ✦ 狭缝式热熔胶模具，两次涂覆可以获得较高涂布量、较高涂布精度和高品质胶面。
- ✦ 最高线速度：100m/min；
- ✦ 涂布量：20~100g/m<sup>2</sup>；
- ✦ 涂布精度：±5% (≤50g/m<sup>2</sup>)；
- ✦ 大直径冷却辊，环绕式 UV 灯架，可按用户要求配置国产或进口品牌 UV 灯组。
- ✦ 标配：直径 1200 离型纸双工位放卷；直径 800 非对称收卷大幅减少换卷时褶皱引起的浪费；不减速自动换卷。
- ✦ 标准辊面宽度：1200、1450、1750mm，其它宽度可非标定制。

#### Application area

- ✦ UV hot melt coating for duct wire harness tape.

#### Features

- ✦ Slot die hot melt adhesive mold, two-time coating to achieve high coating weight, high coating accuracy, and high-quality coating surface.
- ✦ Maximum linear velocity: 100m/min;
- ✦ Coating weight: 20-100g/m<sup>2</sup>;
- ✦ Coating accuracy: ±5% (≤50g/m<sup>2</sup>);
- ✦ Cooling roller of large diameter, equipped with the wrap-around UV lamp rack, Chinese or imported brand UV lamp groups will be Configured according to user's requirements.
- ✦ Standard configuration: Turret unwinder for release paper of 1200 diameter, asymmetric rewinder of 800 diameter greatly reduces the waste caused by wrinkles during roll changing, and, automatic roll changing without deceleration.
- ✦ Standard roller width: 1200, 1450, 1750mm, widths can be customized non-standard.

## TN-HA-1200-250

### 250M/min通用型热熔胶涂布机

TN-HA-1200-250 250M/min General hot melt adhesive coating machine



#### 应用领域

- 通用类热熔压敏胶涂布：如不干胶标签、双面胶带、泡棉胶带、牛皮纸胶带、美纹纸胶带等。

#### 特点

- 无刮痕热熔胶模具，可以获得高涂布精度和高品质胶面；也可配置狭缝模具，获得更高的涂布厚度。
- 最高线速度：250m/min；
- 涂布量：10~50g/m<sup>2</sup>；
- 涂布精度：±1g/m<sup>2</sup> (≤20 g/m<sup>2</sup>)；
- 涂布宽度：500~1100mm；
- 标配：直径1200单工位液压无轴放卷，直径1200双工位有轴收卷，不减速自动换卷；
- 标准辊面宽度：1200、1450、1750mm，其它宽度可非标定制，最大宽度3200。

#### Application area

- General hot melt PSA coating, such as self-adhesive labels, double-sided tape, foam tape, kraft paper tape, masking paper tape, etc.

#### Features

- Rotary bar hot melt adhesive mold, which can achieve high coating accuracy and high-quality coating surface. Our machine can also be equipped with slit molds to achieve higher coating thickness.
- Maximum linear velocity: 250m/min;
- Coating weight: 10~50g/m<sup>2</sup>
- Coating accuracy: ±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>);
- Coating width: 500~1100mm;
- Standard configuration: Shaftless normal unwinder of 1200mm diameter with hydraulic pressure, turret rewinder of 1200mm diameter with air shaft and automatic roll changing without deceleration.
- Standard roller width: 1200,1450,1750mm, non-standard widths can be customized with a maximum width of 3200mm.

## TN-HA-1200-80

### A80经济型热熔胶涂布机

TN-HA-1200-80 A80 economical hot melt adhesive coating machine



#### 应用领域

- ✦ 通用类热熔压敏胶涂布：如不干胶标签、双面胶带、泡棉胶带、布基胶带、牛皮纸胶带、美纹纸胶带、纤维胶带等。

#### 特点

- ✦ 狭缝热熔胶模具，适应不同涂布需求。
- ✦ 最高线速度：80m/min；
- ✦ 涂布量：15~200g/m<sup>2</sup>；
- ✦ 涂布宽度：800~2500mm；
- ✦ 标配：直径1000单工位电动提升放卷用于底材和面材，直径1000单工位固定式收卷，停机换卷。
- ✦ 标准辊面宽度：800、1200、1450、1750mm，其它宽度可非标定制，最大宽度2500。

#### Application area

- ✦ General hot melt PSA coating: such as self-adhesive labels, double-sided tape, foam tape, duct tape, kraft paper tape, masking paper tape, fabric tape, etc.

#### Features

- ✦ Slot die hot melt adhesive mold, suitable for different coating needs.
- ✦ Maximum linear velocity: 80m/min;
- ✦ Coating weight: 15-200g/m<sup>2</sup>;
- ✦ Coating width: 800-2500mm;
- ✦ Standard configuration: normal unwinder of 1000 diameter with electric lifting for substrate and face material, normal fixed rewinder of 1000 diameter, user has to stop the line to change the roll.
- ✦ Standard roller width: 800, 1200, 1450, 1750mm, non-standard widths can be customized, with a maximum width of 2500.

## TN-HA-1200-50

### A50经济型热熔胶涂布机

TN-HA-1200-50 A50 economical hot melt adhesive coating machine



#### 应用领域

- ✦ 通用类热熔压敏胶涂布, 不贴合面材。

#### 特点

- ✦ 狭缝热熔胶模具, 适应不同涂布需求。
- ✦ 最高线速度: 50m/min;
- ✦ 涂布量: 15~200g/m<sup>2</sup>;
- ✦ 涂布宽度: 800~2500mm;
- ✦ 标配: 直径 1000 单工位电动提升放卷, 直径 1000 单工位固定式收卷, 停机换卷。
- ✦ 标准辊面宽度: 800、1200、1450、1750mm, 其它宽度可非标定制, 最大宽度 2500。

#### Application area

- ✦ General hot melt PSA coating without lamination.

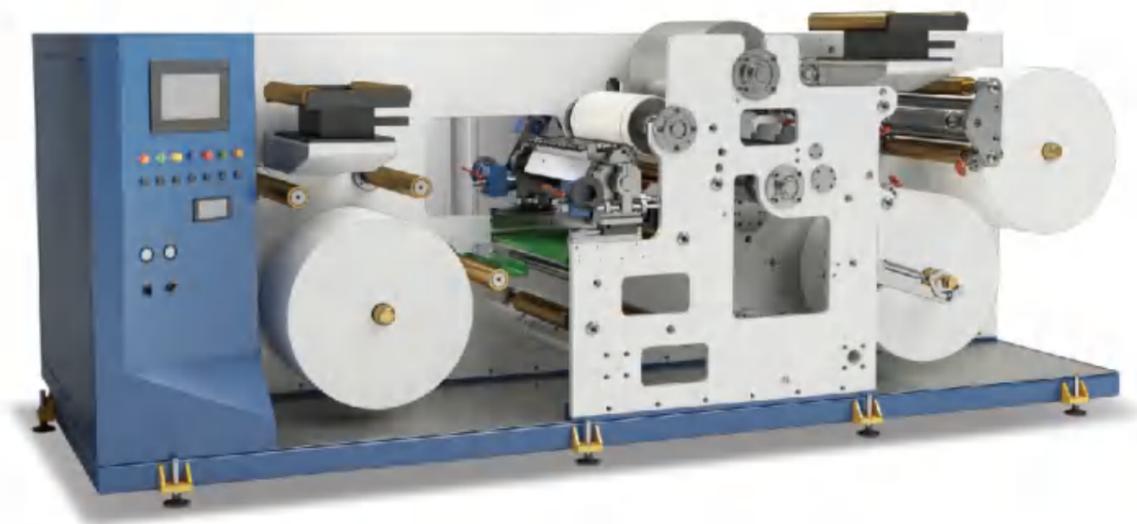
#### Features

- ✦ Slot die hot melt adhesive mold, suitable for different coating needs.
- ✦ Maximum linear velocity: 50m/min;
- ✦ Coating weight: 15-200g/m<sup>2</sup>;
- ✦ Coating width: 800-2500mm;
- ✦ Standard configuration: normal unwinder of 1000 diameter with electric lifting for substrate, normal fixed rewinder of 1000 diameter, user has to stop the line to change the roll.
- ✦ Standard roller width: 800, 1200, 1450, 1750mm, non-standard widths can be customized, with a maximum width of 2500.

## TN-HE-550-150

### 热熔胶实验涂布机

TN-HE-550-150 Experimental hot melt adhesive coating machine



#### 应用领域

- 热熔压敏胶实验涂布，也可用于酒标、激光防伪标签、电子标签窄幅卷材热熔胶涂布。

#### 特点

- 热熔胶无刮痕模具可获得高涂布精度和高品质胶面。
- 最高线速度：150m/min；其它速度按工艺要求商定。
- 辊面宽度：550mm
- 涂布量：10~50g/m<sup>2</sup>；
- 涂布宽度：200~400mm；
- 涂布精度：±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>)；
- 标配：直径700单工位固定式放卷用于底材和面材，直径700单工位固定式收卷。
- 标准辊面宽度：350、450、550、650mm，其它宽度可非标定制。

#### Application area

- Hot melt PSA experimental coating, can also be used for hot melt adhesive coating on narrow substrates for wine labels, anti-counterfeiting laser labels, and electronic labels.

#### Features

- The rotary bar mold can achieve high coating accuracy and high-quality coating surface.
- Maximum linear velocity: 150m/min; coating speeds can be negotiated based on the requirements of the final product.
- Roller width: 550mm
- Coating weight: 10-50g/m<sup>2</sup>;
- Coating width: 200-400mm;
- Coating accuracy: ±1g/m<sup>2</sup> (≤20g/m<sup>2</sup>);
- Standard configuration: normal unwinder of 700 diameter with electric lifting for substrate and face material, normal fixed rewinder of 700 diameter, user has to stop the line to change the roll.
- Standard roller width: 350, 450, 550, 650mm, non-standard widths can be customized.

## TN-HGMS-73\*60-600

### 双螺杆制胶系统

TN-HGMS-73\*60-600 Twin-screw adhesive making system



配电功率 Distribution power	~300Kw
供电电源电压 Power supply voltage	380V±10% 3相5线制 380V±10% TN-S
电源频率 Power frequency	50Hz±1%
IP等级 IP grade	IP42
环境温度 Ambient temperature	0-40°C
相对湿度 Relative humidity	≤80%，无冷凝 ≤80%，non-condensing
安装海拔 Installation altitude	≤1000m
控制电压 Control voltage	AC220V and DC 24V
颜色 Color	RAL7032
测温元件 Temperature measuring component	铂电阻 0-400 摄氏度 Platinum resistance 0-400°C
触摸屏 (HMI) Touch Screen(HMI)	12 寸真彩 12 inch true color
所配电缆长度 Cable length provided	5m

#### 应用领域

- SIS 热熔压敏胶双螺杆制胶。

#### 特点

- 平行同向双螺杆剪切混炼；
- 螺杆直径：73mm；
- 螺杆长径比：60；
- 最大挤出货量：600Kg/h；
- 胶水粘度：5000~150000CP；
- 其它规格可商榷定制。

#### Application area

- SIS twin-screw hot melt PSA making system.

#### Features

- Parallel simultaneous twin screw shear mixing;
- Screw diameter: 73mm;
- Screw aspect ratio: 60;
- Maximum extrusion capacity: 600Kg/h;
- Adhesive viscosity: 5000-150000 CP;
- Other specifications can be discussed for customization.

## 输送配料系统

Batch conveying system



### 应用领域

- ◆ SIS 热熔压敏胶双螺杆制胶的原料计量输送。

### 特点

- ◆ 按照配料组分和需求量合理配置失重秤、补料仓规格和数量；
- ◆ 根据液体物料的需求量、粘度等特性配置常温型或保温型液体秤；
- ◆ 根据物料的形状、比重、粒度等选择适宜的加料方案和上料系统；
- ◆ HMI 界面设置及监控配料比例，全自动配料及输送，无需人工干预；
- ◆ 缺料报警。

### Application area

- ◆ SIS Metering and conveying of raw materials for twin-screw hot melt PSA making.

### Features

- ◆ According to the ingredients and the demand quantity, the size and quantity of the weight loss scale and replenishment bin are reasonably allocated.
- ◆ Configure room temperature or insulation type liquid scales based on the demand quantity, viscosity, and other characteristics of liquid materials;
- ◆ Select appropriate feeding schemes and feeding systems based on raw material's shape, specific gravity, particle size, etc.;
- ◆ Set and monitor the ingredient ratios in the HMI interface, fully automatic ingredient configuring and conveying, no need for manual intervention;
- ◆ ALARM for raw material shortage.

## 电加热胶箱

Electric heating glue tank



### 技术参数列表 / Technical parameters list

名称 Name	单位 (Unit)	200型 (电加热单泵) 200 type (Electric heating single pump)	300型 (电加热单双泵) 300 type (Electric heating double pumps)
型号 Model no.		TNX200	TNX300
胶箱容积 Glue tank volume	L	600	800
供胶能力 Glue supply capacity	kg/h	200	400
加热方式 Heating method		电加热 Electrical heating	电加热 Electrical heating
供胶泵 Glue supply valve	件 (pc)	1	1或2 1 or 2
供胶电机 Glue supply motor	kw	3.7	3.7*1或3.7*2 3.7*1 or 3.7*2
加热功率 Heating power	kw	28	40
总功率 Total power	kw	32	45
外形尺寸 Dimensions	mm	1740X1400X1780(±20)	1740X1400X2000(±20)
重量 Gross Weight	kg	1350±50	1500±50

# 导热油胶箱

Thermal oil tank for hot melt adhesive



技术参数列表 / Technical parameters list

名称 Name	单位 Unit	300型 300 type	600型 600 type
型号 Model no.		TNY300	TNY600
胶箱容积 Glue tank volume	l	300	600
供胶能力 Glue supply capacity	kg/h	400	800
供胶泵 Glue supply valve	件 (pc)	2	4
供胶电机 Glue supply motor	kw	1.5X2	1.5X4
加热功率 Heating power	kw	70	70
总功率 Total power	kw	10±1 (不含模温机功率) 10±1 (exclude mold temperature machine)	90±2
外形尺寸 Dimensions	mm	1600X1600X1720	2700X1620X2100
重量 Gross Weight	kg	1500±50	3600±200



技术参数列表 / Technical parameters list

名称 Name	单位 Unit	1000型 1000 type	2000型 2000 type
型号 Model no.		TNY1000	TNY2000
胶箱容积 Glue tank volume	l	1000	2000
供胶能力 Glue supply capacity	kg/h	800	800
供胶泵 Glue supply valve	件 (pc)	2	2
供胶电机 Glue supply motor	kw	3.7X2	5.5X2
加热功率 Heating power	kw	70+18	70+18
总功率 Total power	kw	100±5	110±5
外形尺寸 Dimensions	mm	2665X2310X2160 (±30)	3100X2300X2680 (±30)
重量 Gross Weight	kg	3000±200	4500±200

# 热熔胶模具

Hot melt adhesive mold

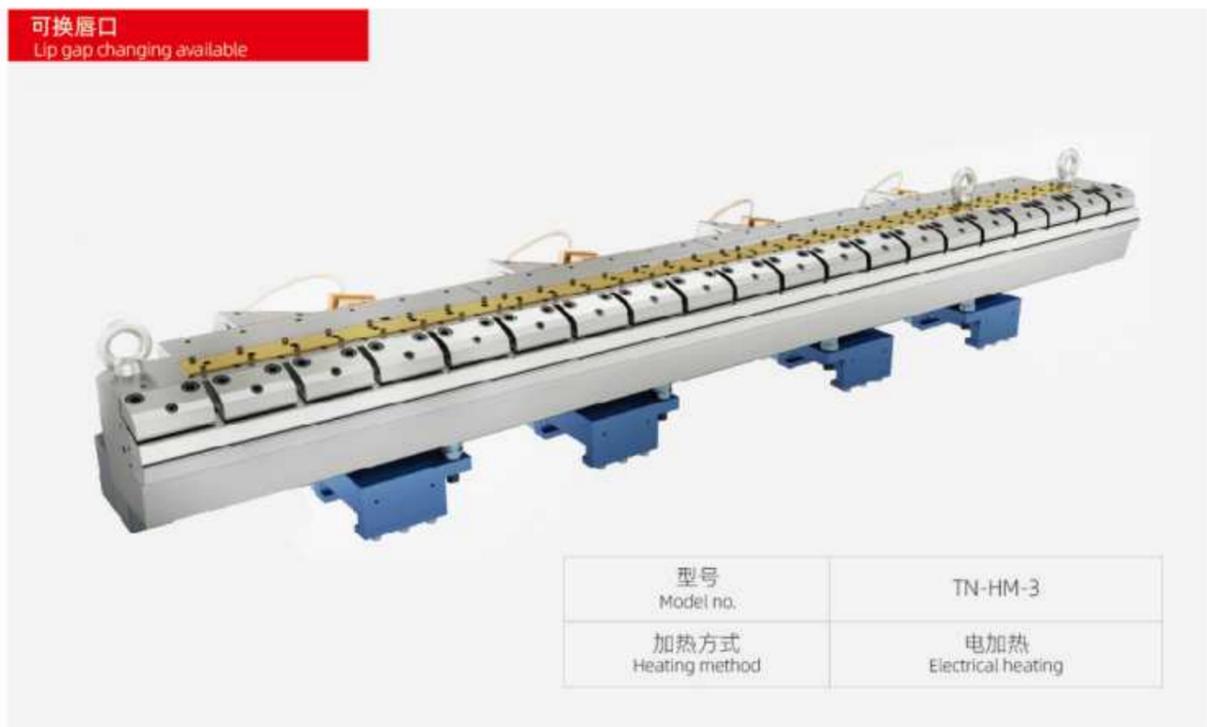
狭缝  
Slot die



无刮痕  
Non-scratching (with rotary bar)



可换唇口  
Lip gap changing available



帘式  
Curtain type



# 公司专利

Company patents

# 部分合作客户

Partial cooperative clients

