



天牛涂布，与世界同步。
TIANNIU COATING, SYNCHRONIZE WITH THE WORLD.



无锡市天牛智能装备有限公司

Wuxi Tianniu Intelligent Equipment Co., Ltd.

安徽天牛智能装备有限公司

Anhui Tianniu Intelligent Equipment Co., Ltd.

合肥方不圆科技有限公司

Hefei Fangbuyuan Technology Co., Ltd.

沙市轻工机械有限公司

Shashi Light Ind. Machinery Co., Ltd.

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离型涂布装备V2024.02

Silicone coating equipment



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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装备制造企业，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。

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。

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 equipment 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 Demage and Mazak machining center; OKAMOTO high-precision surface grinding machine and other machining equipment.

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

2020年

芜湖购100亩地，2022年初建成并正式投用

Wuhu purchases 100 acres of land, which will be completed and officially put into use in early 2022

2023年

入股沙市轻工，向中高端纸张涂布及整饰拓展

Become a shareholder of Shashi Light Industry and expand into mid to high end paper coating and finishing

2016年

新购置2万平厂房，正式搬入无锡江阴新工厂

Newly purchased 20000 square meters of factory building, officially moved into the new factory in Jiangyin, Wuxi

2014年

研发生产气浮烘箱，以及流体类涂布设备

Research and development of air flotation ovens and fluid coating equipment

2001年

公司创始人周耐龙先生正式进入涂布机行业

Mr. Zhou Nailong, the founder of the company, officially entered the coating machine industry

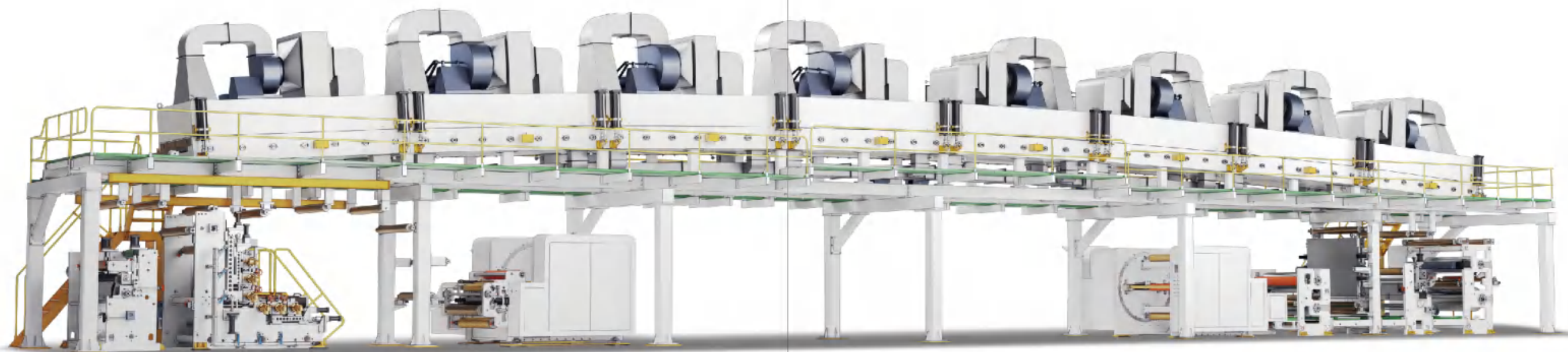
天牛智能涂布，与世界同步。

TIANNIU INTELLIGENT, COAT WITH THE WORLD.

TN-SPRS-1750-350

350m/min纸张类离型涂布机

TN-SPRS-1750-350 350m/min Paper Based Silicone Coating Machine



应用领域

- 适用于纸基材料表面热固化类离型涂布

特点

- 多种涂布方式可选 (分别适用于溶剂型硅油、无溶剂硅油);
- 设计速度: 350m/min;
- 涂布量: 溶剂硅: 0.1~1g/m²; 无溶剂硅: 0.5~2g/m²;
- 标准辊面宽度: 1450、1750、2300mm; 其它宽度可非标定制;
- 烘箱加热方式: 蒸汽 / 导热油 / 电加热 (溶剂硅, 任选); 蒸汽 / 导热油 / 电加热 / 天然气 (无溶剂硅 / 任选);
- 标配: 圆盘翻转式有轴式放卷、六辊转移涂头、导辊式拱形烘道、纸张冷却、纸张加湿、纸张定型、圆盘翻转式有轴式收卷、成套电气控制系统;
- 选配: 可按工艺要求选配不同的纸张加湿机构 (转盘加湿、挤压加湿、逆向背湿、蒸汽加湿); 基材电晕处理机; 单色 LOGO 印刷组件; 纸张湿度检测仪; 天然气防碳化装置; 无轴装夹式收放卷、基材清洁装置。

Application area

- Silicone coating on the surface of paper substrate, thermal curing

Features

- Various coating methods available (for solvent-based silicone oil and solventless silicone oil respectively);
- Designed speed: 350m/min;
- Coating weight: solvent-based silicone: 0.1~1g/m²; solventless silicone: 0.5~2g/m²;
- Standard roller width: 1450, 1750, 2300mm, non-standard widths can be customized;
- Oven heating method: steam / thermal oil / electrical heating (optional for solvent-based silicone); steam / thermal oil / electrical heating / natural gas (optional for solventless silicone);
- Standard configuration: turret unwinder and rewinder with air shaft, six-roller transfer coating head, drying oven with guide roller, paper humidification, paper setting, electrical control system;
- Optional: Different humidification mechanisms can be selected and equipped according to process requirements (disk spray humidification, squeeze humidification, reverse humidification, steam humidification), coronatreatment for substrate, monochrome logo printing mechanism, humidity detector, natural gas anti-carbonization device, shaftless turret unwinder and rewinder, web cleaning device.

TN-SPAS-1750-650

650m/min纸张类离型涂布机

TN-SPAS-1750-650 650m/min Paper Based Silicone Coating Machine



应用领域

- 适用于纸基材料表面热固化类无溶剂离型涂布

特点

- 多辊转移涂头（六辊转移涂头、五辊转移涂头任选）；
- 设计速度：650m/min；
- 涂布量：0.5~2g/m²；
- 标准辊面宽度：1450、1750、2300mm、其它宽度可非标定制；
- 烘箱加热方式：蒸汽 / 导热油 / 电加热 / 天然气；
- 标配：圆盘翻转式有轴式放卷、六辊转移涂头、悬浮式烘道、纸张冷却、纸张加湿、纸张定型、圆盘翻转式有轴式收卷、成套电气控制系统；
- 选配：可按工艺要求选配不同的纸张加湿机构（转盘加湿、挤压加湿、逆向背湿、蒸汽加湿）；基材电晕处理机；单色LOGO 柔板印刷组件；纸张湿度检测仪；天然气防碳化装置；无轴装夹式收放卷、基材清洁装置。

Application area

- Silicone coating on the surface of paper substrate, thermal curing

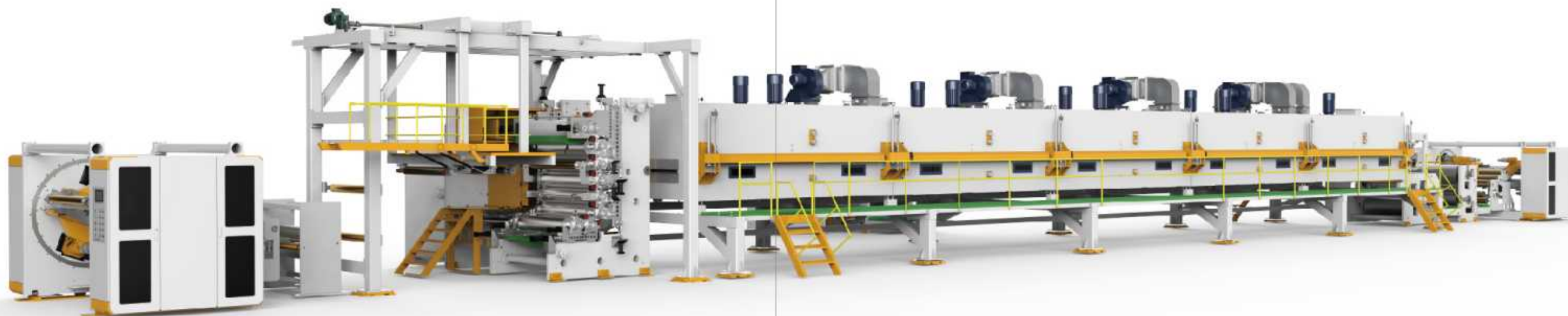
Features

- Multi-roller transfer coating head (either six-roller transfer coating head or five-roller transfer coating head);
- Designed speed: 650m/min;
- Coating weight: 0.5~2g/m²;
- Standard roller width: 1450, 1750, 2300mm, non-standard widths can be customized;
- Oven heating method: steam / thermal oil / electrical heating / natural gas;
- Standard configuration: turret unwinder and rewinder with air shaft, six-roller transfer coating head, air flotation drying oven, paper cooling, paper humidification, paper setting, electrical control system;
- Optional: Different humidification mechanisms can be selected and equipped according to process requirements (disk spray humidification, squeeze humidification, reverse humidification, steam humidification), corona treatment for substrate, monochrome flexographic logo printing mechanism, humidity detector, natural gas anti-carbonization device, shaftless turret unwinder and rewinder, web cleaning device.

TN-SPAD-1750-650

650m/min纸张类离型涂布机(九辊涂布)

TN-SPAD-1750-650 650m/min Paper Based Silicone Coating Machine
(Nine Roll Transfer Coating)



应用领域

- 适用于纸基 / 膜类材料表面热固化类无溶剂双面同时离型涂布

特点

- 配备高速九辊双向转移涂头;
- 设计速度: 650m/min;
- 涂布量: 0.5~2g/m²;
- 标准辊面宽度: 1450、1750、2300mm、其它宽度可非标定制;
- 烘箱加热方式: 蒸汽 / 导热油 / 电加热 / 天然气;
- 标配: 圆盘翻转式有轴式放卷、九辊转移涂头、悬浮式烘道、基材冷却、基材定型、圆盘翻转式有轴式收卷、成套电气控制系统;
- 选配: 可按工艺要求选配不同的纸张加湿机构(转盘加湿、挤压加湿、逆向背湿、蒸汽加湿); 基材电晕处理机; 纸张湿度检测仪; 天然气防碳化装置; 无轴装夹式收放卷、基材清洁装置。

Application area

- Double-sided silicone coating on the surface of paper/film substrate, thermal curing

Features

- Equipped with high-speed nine-roller bidirectional transfer coating head;
- Designed speed: 650m/min;
- Coating weight: 0.5~2g/m²;
- Standard roller width: 1450, 1750, 2300mm, non-standard widths can be customized;
- Oven heating method: steam / thermal oil / electrical heating / natural gas;
- Standard configuration: turret unwinder and rewinder with air shaft, nine-roller transfer coating head, air flotation drying oven, substrate cooling, substrate setting, electrical control system;
- Optional: Different paper humidification mechanisms can be selected and equipped according to process requirements (disk spray humidification, squeeze humidification, reverse humidification, steam humidification), corona treatment for substrate, humidity detector, natural gas anti-carbonization device, shaftless turret unwinder and rewinder, web cleaning device.

TN-SFUUV-1750-300

UV离型涂布机

TN-SFUUV-1750-300 UV Silicone Coating Machine



应用领域

- ✦ 纸类、膜类基材单面 UV 离型涂布

特点

- ✦ 五辊转移涂布；
- ✦ 最高线速度：300m/min；
- ✦ 涂布量：0.1~1g/m²
- ✦ 涂布宽度：1000~1600mm；
- ✦ 标配：直径 800 薄膜专用收放卷, 环绕式 UV 灯组；
- ✦ 选配：除尘机构；电晕处理

Application area

- ✦ Single-side UV silicone coating on paper and film substrate

Features

- ✦ Five-roller transfer coating;
- ✦ Designed speed: 300m/min;
- ✦ Coating weight: 0.1~1g/m²
- ✦ Coating width: 1000~1600mm;
- ✦ Standard: special Φ 800 unwinder/rewinder for film, surrounding-type UV lamp;
- ✦ Optional: dust removal mechanism; corona treatment.

TN-SF-1650-300

膜类离型涂布机

TN-SF-1650-300 Film Based Silicone Coating Machine



应用领域

- 膜类基材单面离型涂布。

特点

- 微凹涂布 + 网纹转移涂布；
- 最高线速度：150~300m/min；
- 涂布量：网纹 0.1~3g/m²；微凹 0.1~1g/m²；
- 涂布宽度：1000~1600mm；
- 标配：直径 800 圆盘翻转式收放卷，不减速自动换卷；蚌壳式高洁净烘箱（加热方式：蒸汽、导热油或电加热可选）；
- 选配：除尘机构；电晕处理；高效过滤器；
- 标准辊面宽度：1200、1450、1750mm，其它宽度可非标定制。

Application area

- Single-sided silicone coating for film substrate

Features

- Micro-gravure coating and anilox roller transfer coating
- Maximum linear speed: 150~300m/min;
- Coating weight: anilox roller 0.1~3g/m²; micro-gravure 0.1~1g / m²;
- Coating width: 1000~1600mm;
- Standard configuration: turret unwinder and rewinder (with a diameter of 800mm), which allows auto-splicing without deceleration, high cleanliness clamshell drying oven (heating method: steam, thermal oil or electric heating);
- Optional: dust removal mechanism, corona treatment mechanism, high efficiency filter;
- Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized.

TN-MFLS-1450-350

涂层涂硅机

TN-MFLS-1450-350 Silicone Coating Machine With Primer Coating



应用领域

- ✦ 医疗卫生耗材离型涂布

特点

- ✦ 原纸单面底涂、离型一次成型；
- ✦ 设计速度：350m/min；
- ✦ 涂布量：0.3~2g/m²；
- ✦ 标准辊面宽度：1450、1750、2300mm、其它宽度可非标定制；
- ✦ 烘箱加热方式：蒸汽 / 导热油 / 电加热 / 天然气；
- ✦ 标配：圆盘翻转式有轴式放卷、底涂计量转移涂头、多辊转移离型涂头、导辊式烘道、纸张冷却、纸张加湿、纸张定型、圆盘翻转式有轴式收卷、成套电气控制系统；
- ✦ 选配：可按工艺要求选配不同的纸张加湿机构（转盘加湿、挤压加湿、逆向背湿、蒸汽加湿）；基材电晕处理机；纸张湿度检测仪；天然气防碳化装置；无轴装夹式收放卷、悬浮式烘道。

Application area

- ✦ Silicone coating for medical and health consumables

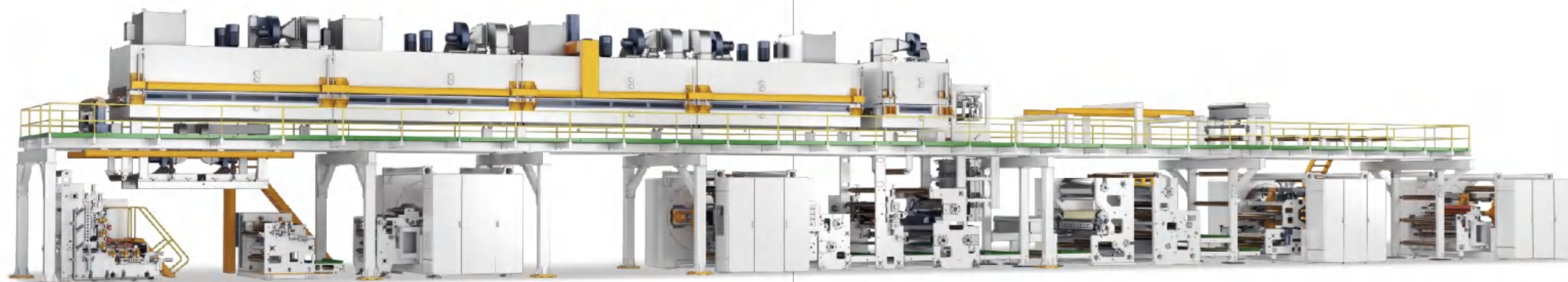
Features

- ✦ Single-sided primer coating and silicone coating for original paper at one time;
- ✦ Designed speed: 350m/min; Coating weight : 0.3~2g / m²;
- ✦ Standard roller width: 1450, 1750, 2300mm, non-standard widths can be customized;
- ✦ Oven heating method: steam / thermal oil / electrical heating / natural gas;
- ✦ Standard configuration: turret unwinder and rewinder with air shaft, base coating metering transfer coating head, multi-roller transfer release coating head, drying oven with guide roller, paper cooling, paper humidification, paper setting, electrical control system;
- ✦ Optional: Different paper humidification mechanisms can be selected and equipped according to process requirements (disk spray humidification, squeeze humidification, reverse humidification, steam humidification), corona treatment for substrate, humidity detector, natural gas anti-carbonization device, shaftless turret unwinder and rewinder, air flotation drying oven.

TN-MFSH-1750-650

涂硅热熔胶一体机

TN-MFSH-1750-650 Tandem Silicone Coating And Hot Melt Coating Machine



应用领域

- ✦ 不干胶标签行业纸类基材无溶剂涂硅后热熔压敏胶涂布。

特点

- ✦ 配备升级版无刮痕热熔胶模具, 可以获得高涂布精度和高品质胶面;
- ✦ 设计速度: 650m/min;
- ✦ 涂布量: 涂硅 0.3~2g/m²; 热熔胶 15~50g/m²;
- ✦ 涂布精度: 涂硅 ±0.1g/m²; 热熔胶 ≤±1g/m² (施胶量 25g/m²);
- ✦ 标准辊面宽度: 1450、1750、2300mm, 其它宽度可非标定制;
- ✦ 烘箱加热方式: 蒸汽 / 导热油 / 电加热 / 天然气;
- ✦ 标配: 圆盘翻转式有轴式放卷、多辊转移型涂头、悬浮式烘道、纸张冷却、纸张加湿、纸张定型、圆盘翻转式有轴式收卷、成套电气控制系统;
- ✦ 选配: 可按工艺要求选配不同的纸张加湿机构 (转盘加湿、挤压加湿、逆向背湿、蒸汽加湿); 单色 LOGO 印刷组件; 基材电晕处理机; 纸张湿度检测仪; 硅油固化防碳化装置; 无轴装夹式收放卷、涂胶测厚仪; 可配备独立 UV 热熔胶涂布系统; 基材清洁装置;
- ✦ 整机可涂硅 + 涂胶连线运行; 也可分段独立运行。

Application area

- ✦ Hot melt PSA coating after solventless silicone application for paper and film substrates in the label industry

Features

- ✦ Equipped with upgraded mold of rotary bar for hot melt adhesive, which can achieve higher coating accuracy and higher quality coating surface;
- ✦ Designed speed: 650m/min;
- ✦ Coating weight: silicone 0.3~2g / m²; hot melt adhesive 15~50g/m²;
- ✦ Coating accuracy: silicone ±0.1g/m²; hot melt adhesive ±1g/m² (when coating 25g/m²);
- ✦ Standard roller width: 1450, 1750, 2300mm, non-standard widths can be customized;
- ✦ Oven heating method: steam / thermal oil / electrical heating / natural gas;
- ✦ Standard configuration: turret unwinder and rewinder with air shaft unwinding, multi-roller transfer coating head for silicone coating, air flotation drying oven, paper cooling, paper humidification, paper setting, electrical control system;
- ✦ Optional: Different paper humidification mechanisms can be selected and equipped according to process requirements (disk spray humidification, squeeze humidification, reverse humidification, steam humidification); monochrome logo printing mechanism; corona treatment for substrate; paper humidity detector; anti-carbonization device, shaftless turret unwinder and rewinder, weight measurement, independent UV hot melt adhesive coating system, web cleaning device;
- ✦ The machine can operate as a continuous line for both silicone coating and hot melt adhesive coating, at the same time, it can be segmented and operated independently if needed.

TN-MFSW-1750-650

涂硅水胶一体机

TN-MFSW-1750-650 Tandem Silicone Coating And Water-based Adhesive Coating Machine



应用领域

- ✦ 不干胶标签行业纸类基材无溶剂涂硅后水性胶涂布。

特点

- ✦ 配备升级版封闭刮涂头, 可以获得高精度涂层;
- ✦ 设计速度: 650m/min;
- ✦ 涂布量: 涂硅 0.3~2g/m²; 水性胶 15~30g/m²;
- ✦ 涂布精度: 涂硅 ±0.1g/m²; 水性胶 ≤±1g/m² (干胶量 22g/m²);
- ✦ 标准辊面宽度: 1450、1750、2300mm, 其它宽度可非标定制;
- ✦ 烘箱加热方式: 蒸汽 / 导热油 / 电加热 / 天然气;
- ✦ 标配: 圆盘翻转式有轴式收卷、封闭刮涂头、多辊转移离型涂头、悬浮式烘道、纸张冷却、纸张加湿、纸张定型、圆盘翻转式有轴式收卷、成套电气控制系统;
- ✦ 选配: 可按工艺要求选配不同的纸张加湿机构(转盘加湿、挤压加湿、逆向背湿、蒸汽加湿); 单色 LOGO 印刷组件; 基材电晕处理机; 纸张湿度检测仪; 硅油固化防碳化装置; 无轴装夹式收放卷、涂胶测厚仪; 可配备帘式涂布系统; 基材清洁装置;
- ✦ 整机可涂硅+涂胶连线运行; 也可分段独立运行。

Application area

- ✦ Water-based adhesive coating after solventless silicone coating in the label industry

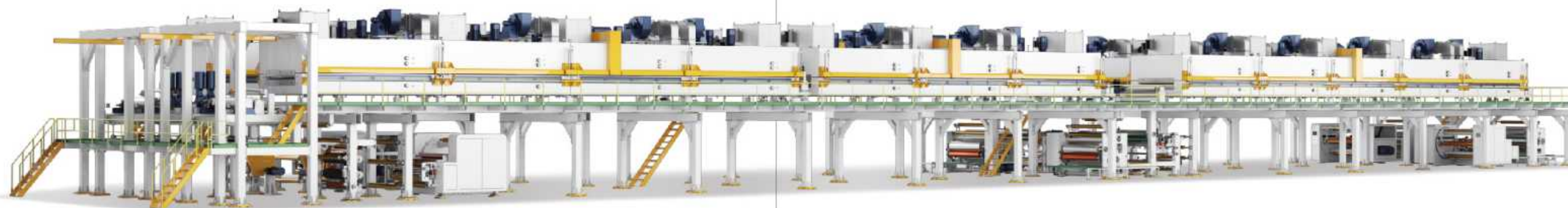
Features

- ✦ Equipped with an upgraded sealed chamber doctor blade coating head, which allows higher coating accuracy.
- ✦ Designed speed: 650m / min;
- ✦ Coating weight: silicone 0.3~2g/m²; water-based adhesive: 15~30 g/m²;
- ✦ Coating accuracy: silicone +0.1g/m²; water-based adhesive: +1g/m²(dry weight 22g/m²);
- ✦ Standard roller width: 1450, 1750, 2300mm, non-standard widths can be customized.
- ✦ Oven heating method: steam/ thermal oil / electrical heating / natural gas;
- ✦ Standard configuration: turret unwinder and rewinder with air shaft, sealed chamber doctor blade applicator, multi-roller transfer silicone coating head, air flotation drying oven, paper cooling, paper humidification, paper setting, electrical control system;
- ✦ Optional: different paper humidification mechanisms can be selected and equipped according to process requirements (disk spray humidification, squeeze humidification, reverse humidification, steam humidification), monochrome logo printing mechanism, corona treatment for substrate, paper humidity detector, anti-carbonization device, shaftless turret unwinder and rewinder, weight measurement, curtain coating system, corona treatment for substrate.
- ✦ The machine can operate as a continuous line for both silicone coating and hot melt adhesive coating, at the same time, it can be segmented and operated independently if needed.

TN-MF-MLS-1900-300

美纹纸含浸涂层涂硅机

TN-MF-MLS-1900-300 Tadem Saturation And Silicone Coating Machine For Masking Paper



应用领域

- 适用于生产美纹含浸单面离型纸

特点

- 分段涂布、烘干, 联动运行
- 设计速度: 300m/min;
- 涂布量: 精确可控;
- 标准辊面宽度: 1450、1750、1900mm, 其它宽度可非标定制
- 烘箱加热方式: 蒸汽 / 导热油 / 电加热 / 天然气
- 标配: 圆盘翻转式有轴式放卷、含浸涂头、转移离型转移涂头、悬浮式烘道、纸张定型、圆盘翻转式有轴式收卷、成套电气控制系统
- 选配: 纸张湿度检测仪、无轴装夹式收放卷、纸张克重检测仪

Application area

- Suitable for masking tape production with saturation and single-sided silicone coating

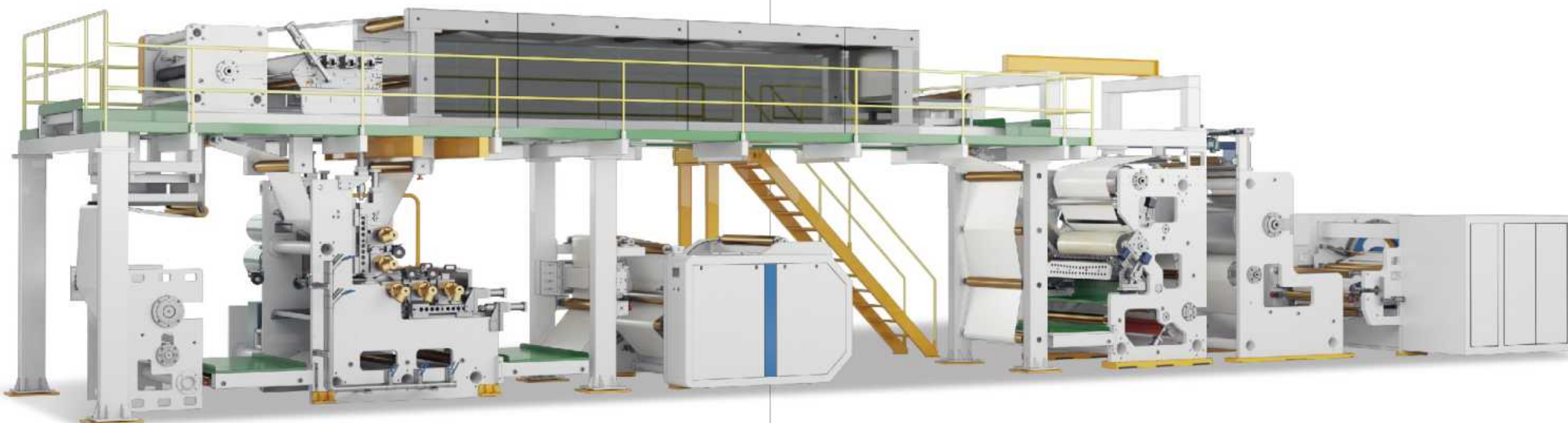
Features

- Segmented coating, drying and continuous operation
- Designed speed: 300m/ min;
- Coating weight: Precise and controllable
- Standard roller width: 1450, 1750, 1900mm, non-standard widths can be customized.
- Oven heating method: steam / thermal oil / electrical heating / natural gas;
- Standard configuration: turret unwinder and rewinder with air shaft, saturation, silicone transfer coating head, air flotation drying oven, paper setting, electrical control system;
- Optional: paper humidity detector, shaftless turret unwinder and rewinder, paper grammage tester

TN-MFUVSH-1200-250

UV涂硅热熔胶机型

TN-MFUVSH-1200-250 Tandem Uv Silicone And Hot Melt Adhesive Coating Machine



应用领域

- ✦ 适用于生产防伪标签, 无底纸标签、无声胶带等产品

特点

- ✦ 配备无溶剂 UV 离型剂多辊转移涂头;
- ✦ 配备 UV 专用无刮痕热熔胶模具;
- ✦ 设计速度: 300m/min;
- ✦ 涂布量: UV 硅 0.5~2g/m², UV 热熔胶 10~50g/m²;
- ✦ 涂布精度: UV 硅 $\pm 0.1\text{g/m}^2$; UV 热熔胶 $\leq \pm 1\text{g/m}^2$ (施胶量 25g/m²);
- ✦ 标准辊面宽度: 1200、1450、1750mm, 其它宽度可非标定制。
- ✦ 标配: 双工位放卷、纠偏系统、转移涂头冷却牵引机构、热熔涂头、双工位非对称卷。
- ✦ 选配: 基材清洁装置、无轴装夹式收放卷、涂胶克重检测仪、基材电晕装置
- ✦ UV 固化装置可用户自备

Application area

- ✦ Suitable for the production of anti-counterfeiting labels, linerless labels, silent tapes, and other products.

Features

- ✦ Equipped with solventless UV silicone multi-roller transfer coating head;
- ✦ Equipped with specific UV non-scratch hot melt adhesive coating head;
- ✦ Designed speed: 300m/min;
- ✦ Coating weight: UV silicone 0.5~2g/m²; UV hot melt adhesive 10~50g/m²;
- ✦ Coating accuracy: UV silicon $\pm 0.1\text{g/m}^2$; UV hot melt adhesive $\pm 1\text{g/m}^2$ (coating weight 25g/m²);
- ✦ Standard roller width: 1200, 1450, 1750mm, non-standard widths can be customized;
- ✦ Standard configuration: turret unwinder, web guide, transfer coating head, cooling and traction mechanism, hot melt coating head, asymmetric turret rewinder;
- ✦ Optional: web cleaning device, shaftless turret unwinder and rewinder, coating weight measurement, corona treatment for substrate;
- ✦ UV curing unit can be self-prepared by the user.

网纹凹版涂布头

Gravure coating head

技术参数:

- 1) 涂布量: 1~100微米 (湿量)
- 2) 粘度: 1~500 mPa.s
- 3) 线速度: 1~300M/min

- ▶ 适用于溶剂型硅油涂布;
- ▶ 施涂量可通过网纹辊目数、涂液固含量调整;
- ▶ 可选配液位检测仪、套筒式橡胶压辊。



Technical parameters:

- 1) Coating weight: 1~100um (wet weight)
- 2) Viscosity: 1~500 mPa.s
- 3) Linear velocity: 1~300m/min

Suitable for solvent-based silicone coating;
Wet coating weight can be adjusted by the mesh count of the anilox roller and the solid content of the coating agent;
Optional: liquid level detector and sleeve-type rubber pressure roller.

微凹涂布头

Micro gravure coating head

技术参数:

- 1) 涂布量: 1~50微米 (湿量)
- 2) 粘度: 1~100 mPa.s
- 3) 线速度: 1~100M/min

- ▶ 适用于膜类基材表面实施低克重涂布;
- ▶ 施涂量可通过网纹辊线数、涂液固含量、液桥剪切速率调整;
- ▶ 可选配保温承料盆、数显间隙显示器、精密定量供胶组件。



Technical parameters:

- 1) Coating weight: 1~50um (wet weight)
- 2) Viscosity: 1~100 mPa.s
- 3) Linear velocity: 1~100m/min

Suitable for small coating weight on the surface of film substrates;
The coating weight can be adjusted by the anilox roller, the solid content of the coating agent, and the shear rate of the liquid bridge;
Optional: thermal insulation pan, digital display of gap indicator, precised quantitative glue supply unit.

斜网纹涂布头

Anilox roller coating head

技术参数:

- 1) 涂布量: 1~100微米 (湿量)
- 2) 粘度: 80~1000 mPa.s
- 3) 线速度: 1~1000M/min
- 4) 封闭刮腔

- ▶ 适用于纸张、BOPP、PET、PVC表面涂布;
- ▶ 配备特殊设计的封闭刮腔供料器;
- ▶ 配备套筒式橡胶转移辊。



Technical parameters:

- 1) Coating weight: 1~100um (wet weight)
- 2) Viscosity: 80~1000mPa.s
- 3) Linear velocity: 1~1000m/min
- 4) Sealed chamber doctor blade

Suitable for coating on paper; BOPP; PET; PVC;
Equipped with a specially designed sealed chamber feeder;
Equipped with a sleeve-type rubber transfer roller.

五辊转移涂布头

Five roll transfer coating head



六辊转移涂布头

Six roll transfer coating head



技术参数:

- 1) 涂布量: 0.5~1.8g/m²
 - 2) 粘度: 10~1000mPa.s
 - 3) 线速度: 5~500m/min
 - 4) 涂布宽度: 1000~2100mm
- ▶ 各辊之间配备精密压合间隙可调装置、恒压装置;
 - ▶ 移动直线导轨均为重载精密级导轨;
 - ▶ 独立电机传动系统;
 - ▶ 配备套筒式橡胶转移辊、配备独立液压系统;
 - ▶ 配备辊面清洁装置、配备安全操作系统;
 - ▶ 可选配吸雾装置;
 - ▶ 适用于基材单面离型涂布。

Technical parameters:

- 1) Coating weight: 0.5~1.8g/m²
 - 2) Viscosity: 10~1000mPa.s
 - 3) Linear velocity: 5~500m/min
 - 4) Coating width: 1000~2100mm
- Equipped with precised gap adjustment and constant pressure devices between each roller;
- The linear guides are all heavy-duty precised guides;
- Independent motor drive system;
- Equipped with sleeve-type rubber transfer rollers and independent hydraulic system;
- Equipped with roller surface cleaning device and safety operation system;
- Optional fog suction device;
- Suitable for single-sided release coating on substrates.

九辊转移涂布头

Nine roll transfer coating head



技术参数:

- ▶ 适用于基材双面离型涂布;
- ▶ 配备双套独立控制单元、独立转料单元;
- ▶ 可实现双面不同克重同时涂布;

Technical parameters:

- Suitable for double-sided silicone coating on substrates;
- Equipped with two sets of independent control units and independent material transfer units;
- Capable of coating different weights on both sides simultaneously.

蚌壳式干燥箱

Clamshell Drying Oven



产品介绍

- ▶ 外表面由厚板整体折弯拼焊;
- ▶ 内壁不锈钢制作, 所有拼接处满焊、抛光;
- ▶ 喷嘴可整体拆卸清洗;
- ▶ 配备气动开合装置;
- ▶ 内部进风、回风、排风设置独立通道; 压力、流量、流向可控;
- ▶ 可预留湿度检测仪、浓度检测仪安装孔位;
- ▶ 可根据工艺要求配备压力泄爆安全门、风路过滤装置、伺服调节风阀、可视窗、上下组合喷嘴。

Product Introduction

Outer surface is made of thick plate with overall bending and butt welding;

Inner wall is made of stainless steel, with full welding and polishing at all joints;

The nozzle can be disassembled and cleaned as a whole;

Equipped with pneumatic opening and closing device;

Independent channels are set for incoming air, return air, and exhaust air, pressure, flow, and direction are controllable;

Holes can be reserved for installation of humidity detector and concentration detector;

Pressure relief safety door, air filtration device, servo-controlled air valve, vision window, combined upper and lower nozzles can be equipped according to process requirements.



高效过滤器可达千级净化要求

High efficiency filter can reach thousand-level purification standard

高洁净蚌壳式干燥箱

High Cleanliness Clamshell Drying Oven

气浮干燥箱

Air Flotation Drying Oven

产品介绍

- ▶ 超高干燥效率;
- ▶ 外表面由厚板整体折弯拼焊, 两侧安装可视窗;
- ▶ 内壁不锈钢制作, 所有拼接处满焊、抛光;
- ▶ 喷嘴可整体拆卸清洗;
- ▶ 配备电动同步升降机构;
- ▶ 内部进风、回风、排风设置独立通道; 压力、流量、流向可控;
- ▶ 可预留湿度检测仪、浓度检测仪安装孔位;
- ▶ 可根据工艺要求配备压力泄爆安全门、风路过滤装置、伺服调节风阀。



Product Introduction

High drying efficiency;

Outer surface is made of thick plate with overall bending and butt welding, with vision windows installed on both sides;

Inner wall is made of stainless steel, with full welding and polishing at all joints;

The nozzle can be disassembled and cleaned as a whole;

Equipped with electric synchronous lifting mechanism;

Independent channels are set for incoming air, return air, and exhaust air; pressure, flow, and direction are all controllable;

Holes can be reserved for installation of humidity detector and concentration detector;

Pressure relief safety door, air duct filtration device, and servo-controlled air valve can be equipped according to process requirements.

