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Futech 富田机械

FOCUS ON

PRECISION PUR HOT MELT ADHESIVE COATING LAMINATION
MACHINE, AND HIGH-SPEED SLITTING MACHINE

专注于精密涂布设备、PUR、热熔胶涂布复合设备、高速分切设备

高效

节能

品质



个人微信号



公司二维码

中山市富田机械有限公司
Zhongshan Futian Machinery Co., Ltd.



ABOUT US

中山市富田机械有限公司创立于孙中山故里广东省中山市，是一家专注于精密涂布设备、PUR 胶、热熔胶涂布复合设备，高速分切设备的研发、制造、销售的先进企业。设备适用于医疗，卫生用品行业，薄膜精密涂布行业、标签胶带行业、纺织面料行业。公司拥有专业的技术研发团队，经验丰富的售后部门，为客户提供专业的解决方案和技术服务。

Zhongshan futian machinery co., Ltd. Was founded in zhongshan city, guangdong province, the hometown of sun yat sen. It is an advanced enterprise specializing in the research and development, manufacturing, and sales of focus on precision PUR hot melt adhesive coating lamination machine, and high-speed slitting machine. The equipment is suitable for the medical and hygiene industry, precision film coating industry, label tape industry, and textile fabric industry. The company has a professional technical R&D team and an experienced after-sales department, providing customers with professional solutions and technical services.

ENTERPRISE DISPLAY 企业形象



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无纺布压花打孔机

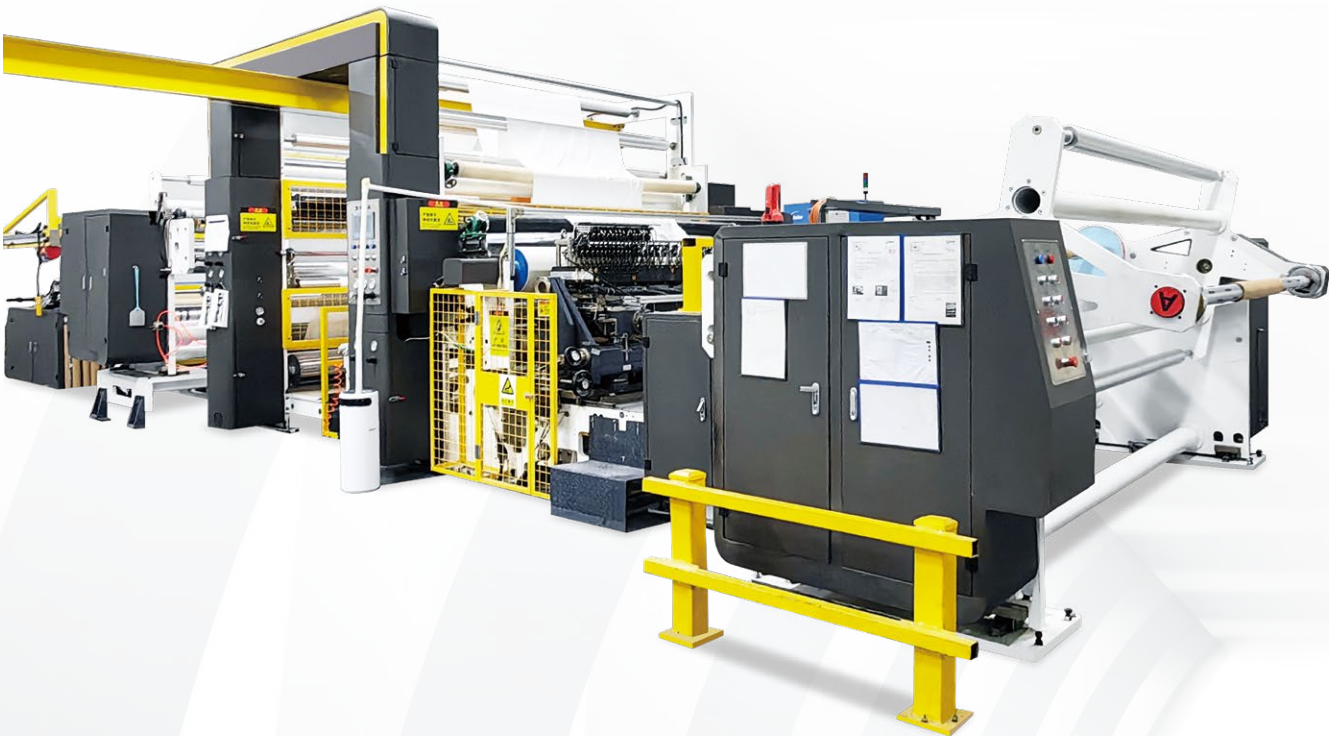
Non-Woven Fabric Embossed and Perforated Machine

10 无纺布压花打孔机
Non-Woven Fabric Embossed and Perforated Machine

10 无纺布压花打孔模具
Non-Woven Fabric Embossed and Perforated Module

德国诺信刮枪涂布复合机

German Nuoxin Slot-Die Coating And Laminating Machine



设备介绍 Equipment introduction

设备为德国诺信刮枪上胶方式，上胶量均匀稳定，胶量大小可随意可以调节。设备采用了全伺服电机控制自动张力，高效稳定。该设备用于成人及婴儿尿裤复合底膜，医疗床垫，宠物垫，防护服复合膜等行业。

The equipment is equipped with a German Nuoxin Slot-Die for gluing, with a uniform and stable amount of glue, and the amount of glue can be adjusted freely. The equipment adopts a fully servo motor to control automatic tension, which is efficient and stable. This device is used in industries such as adult and baby diaper lamination bottom film, pet and medical underpad, protective clothing lamination film, etc.

技术数据 ENGINEERING DATA

涂布形式 Coating form	刮胶涂布形式 Slot-die coating
放卷最大直径 Maximum diameter of unwinding	Φ 800mm
收卷最大直径 Maximum diameter of winding	Φ 600mm
材料有效宽 Effective width of material	300-2400mm
涂布速度 Coating speed	300 m/min

PUR 胶涂布复合机

PUR Adhesive Laminating Machine



设备介绍 Equipment introduction

PUR 胶涂布复合设备采用网纹辊转移涂布方式上胶，上胶量均匀稳定，粘接强度高。精密网纹辊可根据客户要求定制不同的网纹图案。设备采用全伺服电机控制自动张力，高效稳定。设备适用于生产暖宝宝发热贴外包，干燥包发热贴外包，婴儿前腰贴，PET,OPP, 镀铝膜，纺织面料等涂布贴合行业。

PUR 胶具有优异的粘接强度、耐水洗、耐温性、耐化学腐蚀性、耐老化性。PUR 热熔胶是一种与水蒸气反应的胶水，固化后不再融化，具有良好的耐高低温性能，耐水洗性能，可生产的产品种类繁多。

PUR adhesive coating lamination machine adopts gravure roller transfer coating method, the amount of adhesive is uniform and stable, and the bonding strength is high. Precision gravure roller can be customized according to customer requirements of different gravure patterns. The equipment adopts full servo motor to control automatic tension. Efficient and stable. The equipment is suitable for the production of outer packing of the self-heating product like drying bag, heating paste, baby front waist patch, PET, OPP, aluminized film, textile fabric coating industry.

PUR adhesive has excellent bonding strength, washable resistance, temperature resistance, chemical resistance and aging resistance. PUR hot melt adhesive is a kind of glue that reacts with moisture, no longer melts after curing, has good high and low temperature resistance, washable performance, and can produce a wide variety of products.

技术数据 ENGINEERING DATA

涂布形式 Coating form	网纹辊转移涂布 Gravure roller transfer coating
胶水类型 Glue type	PUR 胶 PUR Adhesive
放卷最大直径 Maximum diameter of unwinding	Φ 800mm
收卷最大直径 Maximum diameter of winding	Φ 600mm
有效宽幅 Effective width of material	300-2400mm
涂布速度 Coating speed	300 m/min

热熔胶复合涂布机

Hot Melt Adhesive Laminating Machine



设备介绍 EQUIPMENT INTRODUCTION

热熔胶设备采用网纹辊转移涂布方式上胶，上胶量均匀稳定，产品手感舒适。精密网纹辊可根据客户要求定制不同的网纹图案。设备采用全伺服电机控制自动张力，高效稳定。设备用于成人及婴儿尿裤复合底膜，医疗床垫，宠物垫，床垫，防护服复合膜等行业。

热熔胶在室温下通常是固体。当加热到一定程度时，它就融化成液体，胶水固态液态反复可逆，停机后无需清洗，操作简单方便。同时胶水 100% 固含量，洁净环保，是医疗卫生行业涂布复合工艺的首选。

Hot melt adhesive lamination machine adopts gravure roller transfer coating mode to glue, the amount of glue is uniform and stable, and the product feels comfortable. Precision roller can be customized according to customer requirements of different gravure patterns. The equipment adopts full servo motor to control the automatic tension, which is highly efficient and stable. The equipment is used for adult and baby diaper lamination bottom film, medical under pad, pet under pad, protective clothing lamination film and other industries.

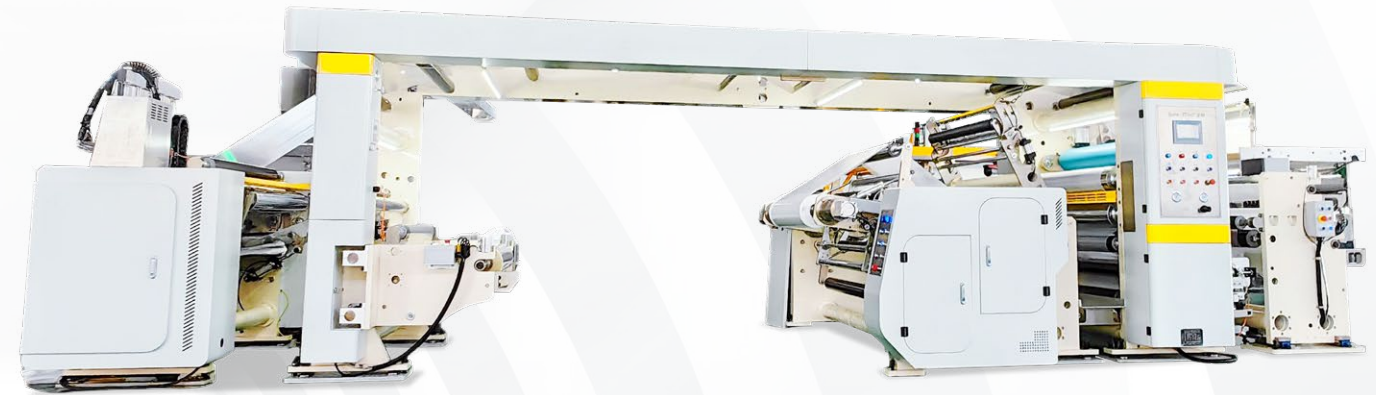
Hot melt adhesives are usually solid at room temperature. When heated to a certain extent, it melts into a liquid. The glue solid and liquid state can be repeatedly reversible, no need to clean after shutdown, simple and convenient operation. At the same time, the glue has 100% solid content, clean and environmental protection, and is the first choice for the coating lamination process in the medical and health industry.

技术数据 ENGINEERING DATA

涂布形式 Coating form	网纹辊转移涂布 Gravure roller transfer coating 狭缝式模头涂布 Slot die coating
胶水类型 Glue type	热熔胶 Hot melt adhesive
放卷最大直径 Maximum diameter of unwinding	Φ 800mm
收卷最大直径 Maximum diameter of winding	Φ 600mm
有效幅宽 Effective width of material	300-2400mm
涂布速度 Coating speed	300 m/min

无溶剂涂布复合机

Solvent Less Laminating Machine



设备介绍 EQUIPMENT INTRODUCTION

FTWRJ 型无溶剂设备采用五辊转移涂布方式，上胶量均匀稳定，上胶量可自由调节。设备采用西门子 PLC 电器控制，全自动张力，高效稳定。设备可涂无溶剂 AB 胶或 PUR 聚氨酯胶，具有清洁、环保、操作简单方便等优点。涂层材料有 BOPP、PET、无纺布，皮革，服装面料等，广泛应用于软包装复合材料、纸尿裤腰贴材料等类似行业。

- 1. 100% 粘合剂，无溶剂残留，减少包装内容物的污染，特别是食品和药品。
- 2. 生产过程中不排放挥发性溶剂，不污染大气环境。生产环境优良，无火灾、爆炸危险。
- 3. 降低设备运行能耗。由于不使用通常的干燥系统，可以显著降低能耗。
- 4. 更好的投资回报。无溶剂涂布复合机的投资效率明显高于溶剂型涂布复合机。
- 5. 降低了有机溶剂的运输和储存风险。

FTWRJ type solventless lamination machine adopts five-roller transfer coating mode, the amount of glue is uniform and stable, and the amount of glue can be freely adjusted. The equipment adopts Siemens PLC electrical control, automatic tension, high efficiency and stability. The equipment can be coated with solvent-free AB adhesive or PUR polyurethane adhesive, which has the advantages of clean, environmental protection, simple and convenient operation. Coating materials are BOPP, PET, non-woven fabrics, leather, clothing fabrics, etc., widely used in flexible packaging lamination materials, diapers and other similar industries.

- 1) 100% adhesive, no solvent residue, reduce contamination of packaging contents, especially food and medicine.
- 2) The production process does not emit volatile solvents, no pollution for the environment. Good and save production environment, no fire and explosion risk.
- 3) Reduce power consumption. The drying systems are not used, energy consumption can be significantly reduced.
- 4) Better return on investment. The investment efficiency of solvent-free coating laminator is obviously higher than that of solvent-based coating laminator.
- 5) Reduce the risk of transportation and storage of organic solvents.

技术数据 ENGINEERING DATA

涂布方式 Coating form	网纹辊转移涂布 Gravure roller transfer coating
胶水类型 Glue type	100% 固体无溶剂粘合剂 100% Solid Solvent-Less Adhesive
放卷最大直径 Maximum diameter of unwinding	Φ 600mm/800mm
收卷最大直径 Maximum diameter of winding	Φ 600mm/800mm
有效宽幅 Effective width of material	1000mm, 1100mm, 1600mm
涂布速度 Coating speed	50~300 m/min

精密涂布机

Solvent Laminatng Machine



设备介绍 EQUIPMENT INTRODUCTION

精密涂布复合机是一种用于在各种基材上进行高精度、均匀涂布的设备，材料涂布后通过烘箱对胶粘剂溶液中的溶剂进行加热，排出，使其充分干燥，然后在“干燥”状态下进行两层材料粘合，产品广泛应用于食品包装、电子、医疗等多个领域。设备也可以单独涂布烘干，使其材料表面具有特殊功能，简称“涂布”。

涂布方式：逗号刮刀涂布，网辊涂布，微凹涂布，多辊转移涂布。

Precision coating and laminating machine is a device used for high-precision and uniform coating on various substrates. After the material is coated, the solvent in the adhesive solution is heated and discharged by an oven to fully dry, and then two layers of material are bonded in a "dry" state. The product is widely used in food packaging, electronics, medical and other fields. The equipment can also be individually coated and dried to give its material surface a special function, abbreviated as "coating".

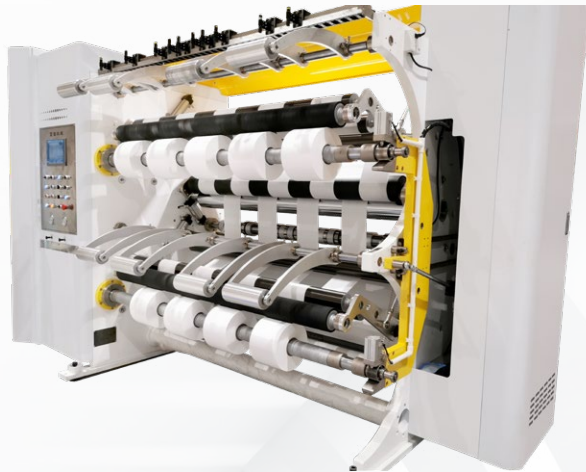
Coating method: comma scraper coating, mesh stick coating, slightly concave coating, multi roller transfer coating.

技术数据 ENGINEERING DATA

涂布方式 Coating form	网纹辊转移涂布 Gravure roller transfer coating
胶水类型 Glue type	溶剂型胶水 Solvent sensitive adhesive
放卷最大直径 Maximum diameter of unwinding	Φ 600mm/800mm
收卷最大直径 Maximum diameter of winding	Φ 600mm/800mm
有效宽幅 Effective width of material	1000mm, 1100mm, 1600mm
涂布速度 Coating speed	150 m/min

高速滑差轴分切机

High Speed Slip Shaft Slitting Machine



设备介绍 EQUIPMENT INTRODUCTION

FTHC 高速滑差轴分切设备专用于 PE 流延透气膜行业的分切，设备采用德国西门子 PLC 及西门子伺服电机控制器，快速响应，精密控制。整机采用了具有独立研发经验的超低张力控制系统，确保柔软透气膜材料在高速运行过程不能拉长缩窄，确保质量稳定可靠。

FTHC type high speed slip shaft slitting machine is dedicated to PE breathable film slitting, equipment using Germany Siemens PLC and Siemens servo motor controller, fast response, precise control. The machine adopts an ultra-low tension control system with independent research and development experience to ensure that the soft breathable film material will not be stretched during high-speed running, ensuring stable and reliable quality.

技术数据 ENGINEERING DATA

材料最大宽幅 Maximum width of material	1200-2400mm (Width optional 可选的)
放卷最大直径 Maximum diameter of unwinding	Φ800mm
收卷最大直径 Maximum diameter of winding	Φ800mm
最小分切宽幅 Minimum effective width of slitting	100mm (Min 最小)
分切速度 Slitting speed	300m/min
放卷装载形式 Unwinding and loading form	3 寸键式气胀轴 3" key type air shaft
收卷装载形式 Rewinding and loading form	3 寸键式气胀轴 3" Slip type air shaft
适用材料 Applicable materials	PE 膜 12-40μm PE film 12 ~ 40μm

设备介绍 EQUIPMENT INTRODUCTION

FTQL 型分切机采用伺服电机收卷控制系统。放卷张力采用自动检测、闭环自动控制。设备具有计米停机功能和直径计算停机功能。放卷配备废边处理装置，配备无轴气顶夹紧装置，采用负压高速吸边方式。分切机用于分切透气膜和非透气膜（卫生巾、婴儿尿布底背膜等）。

FTQL model slitter adopts servo motor winding control system. The unwinding tension adopts automatic detection and closed-loop automatic control. The equipment has meter counting shutdown function and diameter calculation shutdown function. Unwinding is equipped with a waste edge treatment device which is equipped with a non shaft air top clamping device and adopts a negative pressure high-speed edge suction mode.The slitter is used for cutting breathable film and non-breathable film (sanitary napkin,baby diaper bottom back sheet film etc.

技术数据 ENGINEERING DATA

材料最大宽幅 Maximum width of material	1200-2400mm (Width optional 可选的)
放卷最大直径 Maximum diameter of unwinding	Φ800mm
收卷最大直径 Maximum diameter of winding	Φ800mm
最小分切宽幅 Minimum effective width of slitting	100mm (Min 最小)
分切速度 Slitting speed	500m/min
放卷装载形式 Unwinding and loading form	3 寸键式气胀轴 3" key type air shaft
收卷装载形式 Rewinding and loading form	3 寸滑差轴 3" Slip shaft
适用材料 Applicable materials	PE 膜 10-40μm PE film 10 ~ 40μm

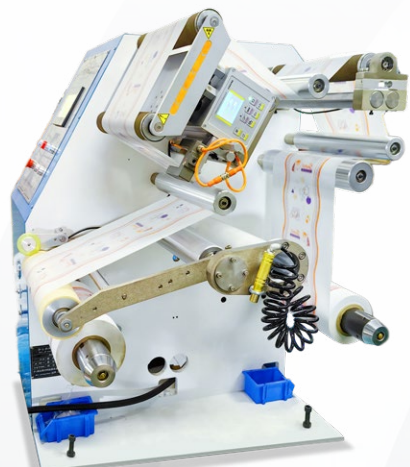
PE 膜气胀轴分切机

PE Film Air Shaft Slitting Machine



全自动收卷机

Fully Automatic Rewinder



设备介绍 EQUIPMENT INTRODUCTION

FTFJ 全自动复卷机整套控制系统采用高端知名品牌 PLC 控制及纠偏系统，保证基材位置正确，全程自动张力反馈控制，精确控制收放卷张力，真实 - 时间定位点测控系统、定位点数据分析系统和高端图像比对系统确保产品品质，设备稳定可靠，性价比高。

The complete control system of the FTFJ fully automatic rewinder adopts high-end well-known brand PLC control and correction systems to ensure the correct position of the base material, full-process automatic tension feedback control, precise control of rewinding and unwinding tension, real-time positioning point measurement and control system, positioning point data Analysis system and high-end image comparison system ensure product quality, equipment is stable and reliable, and cost-effective.

技术数据 ENGINEERING DATA

复卷形式 Rewinding form	西门子伺服电机复卷 Siemens servo motor rewinding
复卷基材材料 Rewinding substrate material	PE 膜 10-60g/ m² PE film 10-60g/ m²
复卷速度 Rewinding speed	400m/min
机械速度 Mechanical speed	500m/min
最大基材宽度 Max effective width of substrate	320mm, 卷宽 roller width 380mm
放卷直径 Unwinding diameter	Φ600 mm
收卷直径 Winding diameter	Φ600 mm
基材纸芯内直径 Inner diameter of base material core	3 英寸 3 inches
最大重量 Maximum web weight	15-16kg
整机功率 Overall power	约 about 4.5kW

设备介绍 EQUIPMENT INTRODUCTION

FTJP 高速复卷机整套控制系统采用德国西门子 PLC 控制，全套德国 SIEMENS 伺服驱动器，高端品牌纠偏系统，保证基材位置正确。张力检测采用德国 E+L 张力检测控制器，实现全程自动张力。反馈控制、收放卷张力精确控制、定位点实时测控系统、定位点数据分析系统，确保产品质量和设备稳定可靠。

The complete control system of the FTJP high-speed rewinder adopts German Siemens PLC control, a complete set of German SIEMENS servo drives, and a high-end brand correction system to ensure the correct position of the base material. The tension detection adopts the German E+L tension detection controller to realize automatic tension throughout the process. Feedback control, precise control of rewinding and unwinding tension, real-time measurement and control system for positioning points, and data analysis system for positioning points ensure product quality and equipment stability and reliability.

技术数据 ENGINEERING DATA

复卷形式 Rewinding form	自动张力控制收卷 Automatic tension control winding
复卷基材材料 Rewinding substrate material	PE 透气膜和流延膜 12-40g/m²PE breathable and non-breathable film 12-40g/m²
复卷速度 Rewinding speed	280-300m/min
机械速度 Mechanical speed	300m/min
最大基材宽度 Max effective width of substrate	330mm, 卷宽 roller width 400mm
放卷直径 Unwinding diameter	Φ580 mm
收卷直径 Winding diameter	Φ580 mm
基材纸芯内直径 Inner diameter of base material core	3"
整机功率 Overall power	约 about 2kW
流向 Flowing	从左至右 From left to right

全自动伺服电机高速复卷机

Fully Servo Motor Rewinder



无纺布压花打孔机

Non-Woven Fabric Embossed and Perforated Machine



设备介绍 EQUIPMENT INTRODUCTION

DK1200-00/1600-00 压花机采用伺服驱动，搭配进口可编程控制器，整个生产过程具有自动张力闭环控制。压花机可以对纺粘无纺布、热风无纺布等材料进行压花或打孔。产品广泛应用于纸尿裤、卫生巾、医疗用品等行业。设备配备在线分切装置，提高原材料利用率，为客户增加利润。

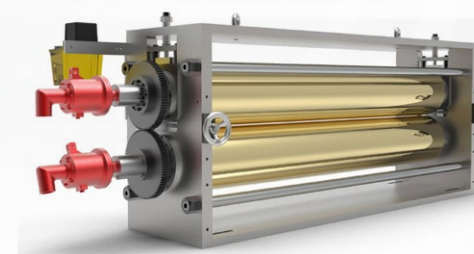
The DK1200-00/1600-00 Embossed machine adopts servo drive, paired with imported programmable controllers, and has automatic tension closed-loop control throughout the production process. Embossed machine can emboss or perforated materials such as spunbonded non-woven fabrics and hot air non-woven fabrics. The products are widely used in industries such as diapers, sanitary napkins, and medical supplies. The equipment is equipped with an online slitting device to improve raw material utilization and increase profits for customers.

无纺布压花打孔模具

Non-Woven Fabric Embossed and Perforated Module

无纺布打孔压花模组

Non-Woven Fabric Embossed And Perforated Module



热轧复合辊模组

Thermal Bonding Laminating Module



技术数据 ENGINEERING DATA

材料宽度 Material width	1200 ~ 1600mm
机械速度 Mechanical speed	70m/min
最大压花打孔速度 Maximum embossing speed	40-50m/min (实际速度取决于材料特性 the actual speed depends on the material and the hole type of the non-woven fabric)
放卷直径 Unwinding diameter	最大 MaxΦ900mm
收卷直径 Rewinding diameter	最大 MaxΦ700mm
最小分切宽度 Minimum slitting width	100mm
适用材料 Applicable material	SS 无纺布 18-40g SS non-woven 18g-40g SSS 无纺布 18gsm~40gsm SSS N.W. material: 18gsm~40gsm150 m/min

技术数据 ENGINEERING DATA

辊面长 Roller Surface Length	1000-3000mm
辊直径 Roller Diameter	100mm-700mm

设备介绍 EQUIPMENT INTRODUCTION

上下双辊无纺布压花模组，上辊可以机械升降，两条辊使用齿轮咬合传动辊体内部被我们设计为高效精准的热传递结构，可以为材料压花迅速准确提供所需的温度。

客户可以定制辊面压花花纹，也可以从我们丰富的自研花纹库中挑选更甚，我们可以根据客户的灵感，实现出最终的花纹设计。

The upper and lower double-roller non-woven fabric embossing modules, the upper roller can be mechanically lifted, and the two rollers are driven by gears, The inside of the roller body is designed by us as an efficient and accurate heat transfer structure, which can quick by and accurately provide the material needed for embossing temperature

Customers can customize the embossing pattern on the roller surface, or choose from our rich self-developed pattern library What's more, we can realize the final pattern design according to the customer's inspiration.

超声波双房复合模具

Ultrasonic Double Layer Lamination Mold



技术数据 ENGINEERING DATA

辊面长度 :150mm~1600mm
辊直径 :Φ100mm~Φ400mm
生产线速度 :60-80 米 (视材料加工效果而定)
Roll surface length:150mm~1600mm
Roller diameter: Φ100mm~Φ400mm
Production line speed: 60-80m (depending on the material processing effect)