

GSPH-SJTU-360\540 标准凝胶涂布模切生产线

GSPH-SJTU-360\540 Standard gel coated die cutting production line

概述:

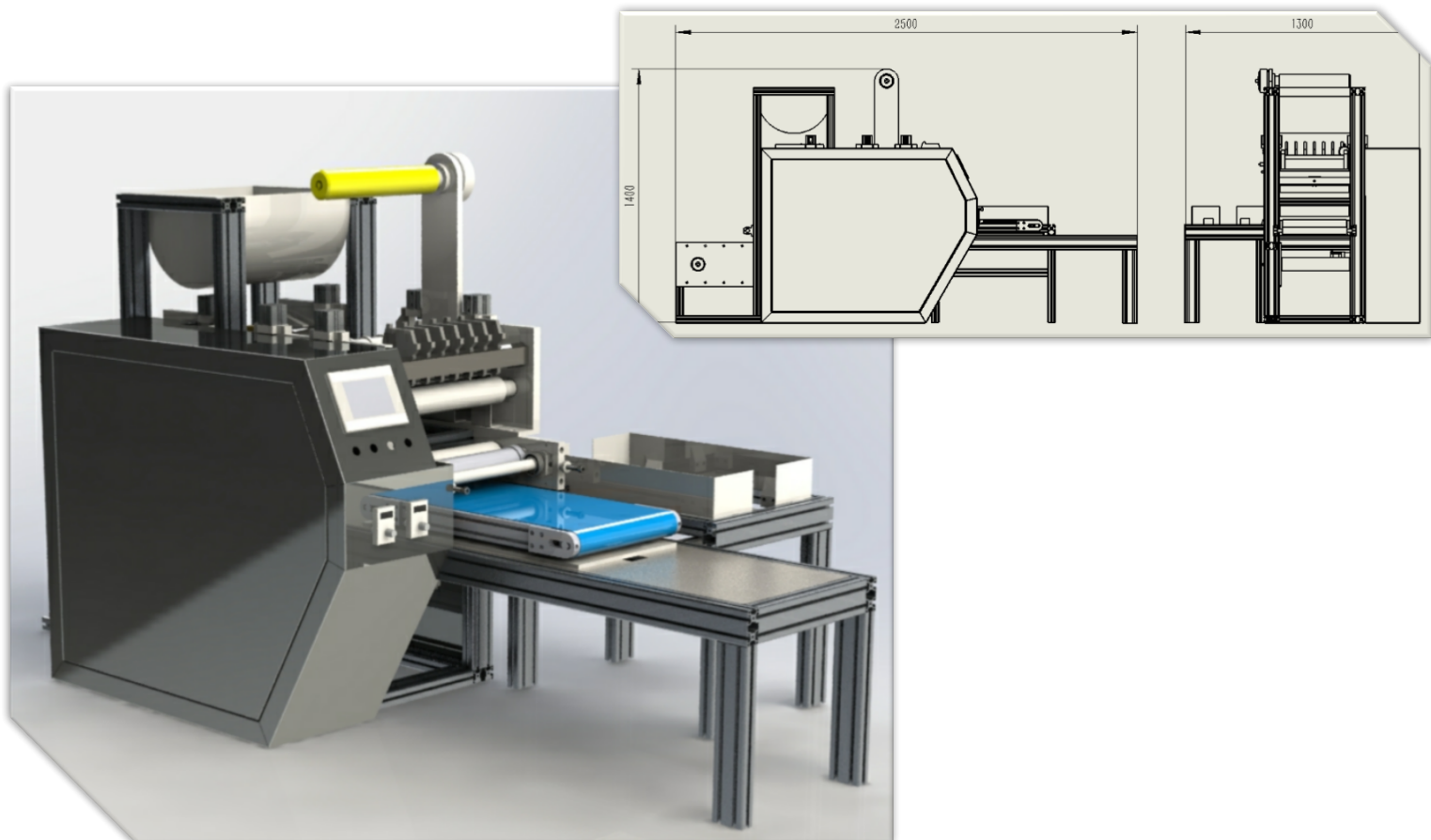
凝胶生产线系列分为：标准涂布模切生产线和非标涂布模切生产线。

GSPH-SJTU-360\540 标准凝胶涂布模切生产线主要用于生产止咳贴、退热贴、降温贴等医用冷敷贴产品，是在广泛吸取国内外同类产品技术基础上，经过研制开发出的一代新的水凝胶涂布的设备。该设备从放卷、水凝胶供料、辊涂、复合、压型，分切成品自动完成。其特点：投资少，占地面积小，用人少，人工不与药物接触，自动化程度高，见效快，是生产药贴厂家优选的设备。

Overview:

Gel production line series are divided into: standard coating die cutting production line and non-standard coated die-cutting production line.

GSPH-SJTU-360\540 standard gel coating die cutting production line is mainly used for the production of cough cold patch, antipyretic stickers, cooling paste and other medical cold compress products. It is a new generation of hydrogel coating equipment developed and widely developed on the basis of widely absorbing similar products technology at home and abroad. The equipment is automatically completed from unwinding, hydrogel feeding, roller coating, compounding, pressing and cutting. Its characteristics: less investment, small area, less personnel, no contact with drugs, high degree of automation, quick effect, it is the preferred equipment for drug patch manufacturers.



| 技术参数

Technical parameter

设备名称 Product name	标准凝胶涂布模切生产线 Gel coated die cutting production line
规格型号 Type	GSPH-SJTU-360\540
外形尺寸 Size	2500mm*1300mm*1400mm
药贴类型 Medicine patch type	止咳贴、退热贴、降温贴等医用冷敷贴产品 Antitussive paste, antipyretic paste, cooling paste and other medical cold compress products
基材类型 Substrate type	无纺布、珠光膜 Non woven fabric ,pearlescent film
药贴形状 Patch shape	长方形 Rectangle
涂布宽度 Coating width	50-500mm
涂布厚度 Coating thickness	1-3mm
基材最大卷径 Maximum coil diameter of base material	600mm
基材卷芯内径 Inner diameter of base material core	3inches
纠偏方式 Rectification method	自动纠偏 Automatic deviation correction
操作方式 Operation mode	自动、手动 Automatic, manual
电气控制 Electric control	PLC、伺服系统闭环控制 Closed loop control of PLC and servo system
张力控制 Tension control	磁粉控制 Magnetic powder control
最高模切速度 Maximum die cutting speed	0-10m/min
工作电压 Working voltage	AC220V
额定功率 Rated power	3Kw
工作气压 Working pressure	0.6mpa
设备重量 Weight	≈500KG

| 设备特点

Equipment features

- 1) 本机物料接触部分采用304不锈钢和聚四氟乙烯材料，控制元件和执行元件（气缸）采用国产SNS元件；符合GMP规范要求。
- 2) 本机涂布方式采用辊涂方式，涂布厚度0.1mm-3mm可调，涂布速度0-10米/分钟。
- 3) 三伺服控制，在压型、裁切、接料三组机构上采用伺服控制系统，使设备在使用功能上更加灵活，增加了设备运行的稳定性，压型和滚切配合度高，精度高，速度快。不仅为客户解决浪费问题，还在操作上达到省人工。
- 4) 放料轴配有磁粉制动，收卷轴有磁粉离合，精确控制料卷的张力，确保材料在设备运行中稳定，减少拉伸变形；
- 5) 本机在设备放料轴部分配有光电检测开关，自动检测物料的有无，通过报警和自动暂时停机，以方便及时更换物料；
- 6) 采用模块式更换压花轴，只需把整套压花轴更换下来，再换上一根要做产品的压花轴即可。节省时间，方便快捷。
- 7) 任意长度生产：可实现在无花轴状态下进行任意长度生产
- 8) 产量计算：生产速度可通过触摸屏设置，可以准确的计算生产能力。
- 9) 设备采用PLC微电脑控制，10寸触摸屏操作，简单方便；
- 10) 自动接片：一次可接30-48片（以50*120的退热贴为例）操作简单、故障率低、在传统模式下人工接片的需要4至5人操作设备，使用自动接片机只需要2人操作。

- 1) The material contact part of the machine is made of 304 stainless steel and polytetrafluoroethylene, and the control element and actuator (cylinder) are made of domestic SNS element; It meets the requirements of GMP.
- 2) The coating method of this machine is roller coating, the coating thickness is adjustable from 0.1 mm to 3 mm, and the coating speed is 0-10 M / min.
- 3) Three servo control. The servo control system is used in the three groups of mechanism of pressing, cutting and material receiving, which makes the equipment more flexible in use function, increases the stability of equipment operation, and has high matching degree, high precision and fast speed of pressing and rolling. Not only solve the waste problem for customers, but also save labor in operation.
- 4) The discharge shaft is equipped with magnetic powder brake, and the take-up shaft is equipped with magnetic powder clutch to accurately control the tension of the material coil, so as to ensure the stability of the material in the operation of the equipment and reduce the tensile deformation;
- 5) This machine is equipped with a photoelectric detection switch at the discharge shaft of the equipment, which can automatically detect the presence or absence of materials. Through alarm and automatic temporary shutdown, it is convenient to replace materials in time;
- 6) The modular replacement of the embossing shaft only needs to replace the whole set of embossing shaft, and then replace it with the one to be made. Save time, convenient and fast.
- 7) Production of any length: production of any length can be realized under the condition of no flower shaft
- 8) Output calculation: the production speed can be set through the touch screen, which can accurately calculate the production capacity.
- 9) The equipment adopts PLC microcomputer control, 10 Inch Touch screen operation, simple and convenient;
- 10) Automatic splicing: 30-48 pieces can be spliced at one time (take 50 * 120 antipyretic paste as an example) with simple operation and low failure rate. In the traditional mode, manual splicing requires 4-5 people to operate the equipment, and only 2 people to operate the automatic splicing machine.



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伺服控制
Servo control



生产效率高
Efficient production



自动纠偏
Automatic deviation correction

| 工作原理

Working principle

放基材 → 供给水凝胶 → 辊涂 → 复合 → 压型 →

送料 → 裁切外形 → 成品输出 → 自然固化

| 成品展示

Product display



GSPH-SJTU-N 非标凝胶涂布模切生产线

GSPH-SJTU-N Standard gel coated die cutting production line

概述:

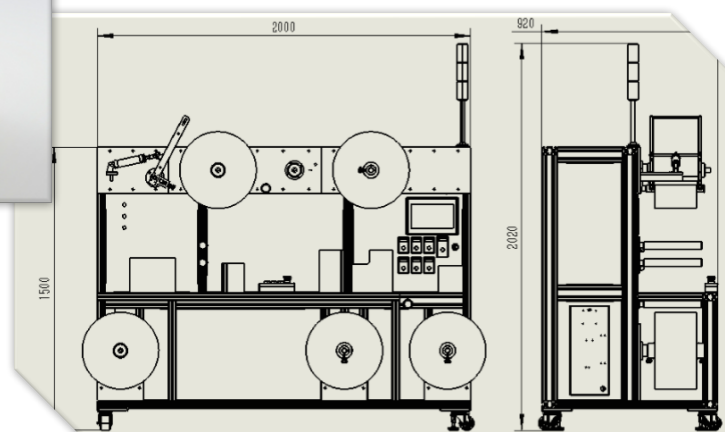
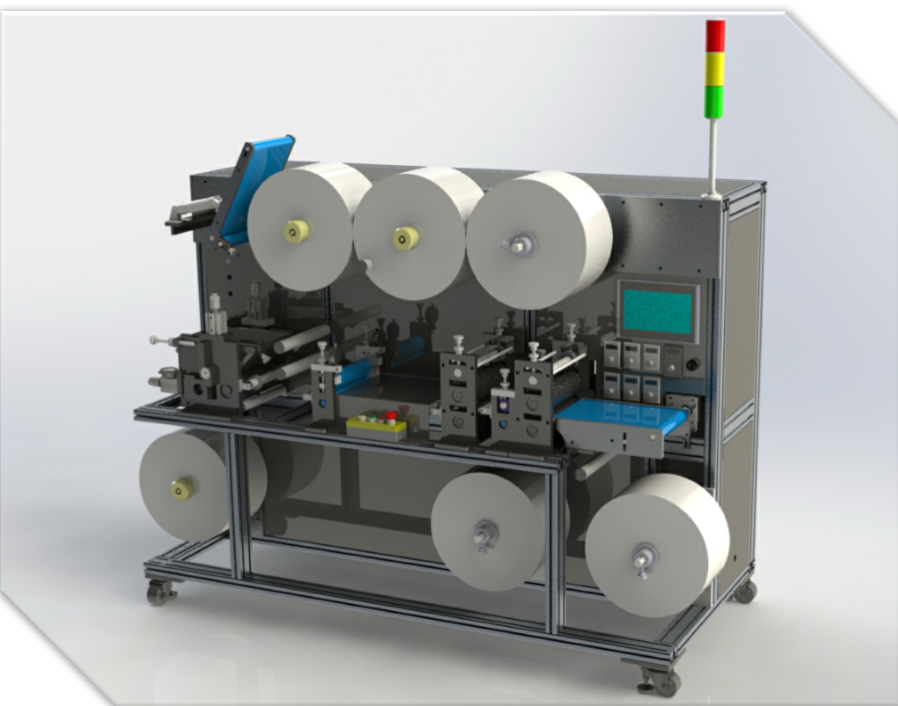
凝胶生产线系列分为：标准涂布模切生产线和非标涂布模切生产线。

GSPH-SJTU-N 非标凝胶涂布模切生产线用于生产面膜、眼贴、法令纹贴、额头贴、痘痘贴等产品，凝胶涂布模切机是在广泛吸取国内外同类产品技术基础上，经过研制开发出的一代新的凝胶涂布模切的设备。该设备从放卷、凝胶供料、辊涂、复合、压型，分切成品自动完成。其特点：投资少，占地面积小，用人少，人工不与药物接触，自动化程度高，见效快，是生产药贴厂家优选的设备。

Overview:

Gel production line series are divided into: standard coating die cutting production line and non-standard coated die-cutting production line.

GSPH-SJTU-N non-standard gel coating die cutting production line is used for producing facial mask, eye paste, decree sticker, forehead paste, acne patch and other products. Gel coating die cutting machine is a new generation of gel coating die cutting equipment developed and widely absorbed on the basis of similar products technology both at home and abroad. The equipment is automatically completed from unwinding, gel feeding, roller coating, compounding, pressing and cutting. Its characteristics: less investment, small area, less personnel, no contact with drugs, high degree of automation, quick effect, it is the preferred equipment for drug patch manufacturers.





| 技术参数

Technical parameter

设备名称 Product name	非标凝胶涂布模切生产线 Non-standard coated die-cutting production line
规格型号 Type	GSPH-SJTU-N
外形尺寸 Size	2000mm*1000mm*1500mm
药贴类型 Medicine patch type	面膜、眼贴、法令纹贴、额头贴、痘痘贴等产品 Facial mask, eye paste, decree sticker, forehead paste, acne patch and other products.
基材类型 Substrate type	无纺布、珠光膜、纱网等 Non woven fabric, pearlescent film, yarn net, etc
药贴形状 Patch shape	任意形状 Arbitrary shape
涂布宽度 Coating width	0-200mm
涂布厚度 Coating thickness	0.1-3mm
基材最大卷径 Maximum coil diameter of base material	500mm
基材卷芯内径 Inner diameter of base material core	3inches
纠偏方式 Rectification method	自动纠偏 Automatic deviation correction
操作方式 Operation mode	自动、手动 Automatic, manual
电气控制 Electric control	PLC、伺服系统闭环控制 Closed loop control of PLC and servo system
张力控制 Tension control	磁粉控制 Magnetic powder control
最高模切速度 Maximum die cutting speed	0-15m/min
工作电压 Working voltage	AC220V
额定功率 Rated power	4Kw
工作气压 Working pressure	0.6mpa
设备重量 Weight	≈600KG

| 设备特点

Equipment features

- 1) 本机物料接触部分采用 304 不锈钢和聚四氟乙烯材料，控制元件和执行元件（气缸）采用国产S NS 元件；符合 GMP 规范要求。
- 2) 本机涂布方式采用刮涂（辊涂）方式，涂布厚度 0.1mm-3mm 可调，涂布速度 0-15 米/分钟。
- 3) 主动式放卷，完全同步主线速度，保证弹性材料不会拉伸变形。收放卷轴有磁粉离合，精确控制料卷的张力，确保材料在设备运行中稳定，减少拉伸变形；
- 4) 本机在设备放料轴部分配有光电检测开关，自动检测物料的有无，通过报警和自动暂时停机，以方便及时更换物料；
- 5) 设备采用 PLC 微电脑控制，多伺服驱动，10 寸触摸屏操作，简单方便；

1) The material contact part of the machine is made of 304 stainless steel and polytetrafluoroethylene, and the control element and actuator (cylinder) are made of domestic SNS element; It meets the requirements of GMP.

2) The coating mode of this machine is scraping (roller coating), the coating thickness is adjustable from 0.1 mm to 3 mm, and the coating speed is 0-15 M / min.

3) Active unwinding, fully synchronized with the main line speed, to ensure that the elastic material will not stretch deformation. Magnetic powder clutch is provided on the take-up and take-off reel to accurately control the tension of the material coil, ensure the stability of the material in the operation of the equipment and reduce the tensile deformation;

4) This machine is equipped with a photoelectric detection switch at the discharge shaft of the equipment, which can automatically detect the presence or absence of materials. Through alarm and automatic temporary shutdown, it is convenient to replace materials in time;

5) The equipment adopts PLC microcomputer control, multi servo drive, 10 Inch Touch screen operation, simple and convenient;



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伺服控制
Servo control



生产效率高
Efficient production



自动纠偏
Automatic deviation correction

| 工作原理

Working principle

放基材 → 供给凝胶 → 刮涂 → 复合 →
整型送料 → 模切成型 (成品收卷) → 自然固化

| 成品展示

Product display

