



丝印系统
Screen Printing System

CCD照相
CCD Camera

应用产品
Application Objects

可根据客户要求定做自动化印刷生产线

We are able to design and produce screen-printing production line according to your own requirements!

产品简介

- 订制组合丝印及视觉检测全自动生产线，满足各种印刷包装工艺高标准要求。
- 适用于圆形，椭圆形，方形等产品；全线结构合理、调试便捷、运行稳定。
- 全线电子元件及控制系统均为国际知名品牌，确保产品高质量。
- 可订制加装全自动贴标，烫金等功能，灵活组合全自动化一条龙产线。
- 同一机台同一电脑可实现同时运行缺陷检测和印刷定位双系统。

Introduction

- Customized combined silk screen printing and vision inspection automatic production line, to meet the higher standard requirements of various printing and packaging processes.
- Suitable for round, oval, square and other products; entire line is with reasonable structure, convenient debugging and stable operation.
- Electronic components and control systems used on the entire line are internationally famous brands, to ensure higher quality and huger quantity of products.
- It can be customized and installed with automatic labeling, hot stamping and other functions, and flexibly combine fully automated one-stop production lines.
- The same machine and the same computer can realize the simultaneous operation of defect detection and printing positioning dual systems

技术参数(Specifications)

应用产品形状 (Shape of Application Object)	圆形Cylindrical, 椭圆Elliptical, 方形Square, 平面Flat等etc.
应用产品尺寸 (Size of Application Object)	直径D 25-60mm 长度L 60-280mm
应用产品类型 (Type of Application Object)	青霜罐、笔杆、乳液瓶、瓶盖、硬塑料瓶、玻璃瓶、金属瓶、软管、软塑料瓶等 cream jars, penholders, lotion bottles, bottle caps, hard plastic bottles, glass bottles, metal bottles, hoses, soft plastic bottles, etc.
最快速度 (个/小时) Max. Speed)	4000-5000pcs/hr
产品质量监测及精度 (Object Quality Inspection and Accuracy)	多印 (面积) $\geq 0.1\text{mm}^2$ 、少印 (面积) $\geq 0.1\text{mm}^2$ 、污点 (面积) $\geq 0.5\text{mm}^2$ 、刮痕 (面积) $\geq 0.1\text{mm}^2$ 、套色不准 (尺寸) $\geq 0.2\text{mm}$ 、烫金偏差 (尺寸) 0.2mm-2.5mm、色差 $\geq \Delta E4$ 剔除; 以上检测精度可自由调节 more printing (area) $\geq 0.1\text{mm}^2$, less printing (area) $\geq 0.1\text{mm}^2$, stains (area) $\geq 0.5\text{mm}^2$, scratches (area) $\geq 0.1\text{mm}^2$, inaccurate color registration (size) $\geq 0.2\text{mm}$, hot stamping deviation (size) 0.2mm-2.5mm, color difference $\geq \Delta E4$ elimination; the above detection accuracy can be adjusted freely
产品误检率 (Object False Detection Rate)	$\leq 0.3\%$ (只会误检成不合格品, 通过检测的产品绝对100%合格品) only falsely detected as unqualified products, products that pass the test are absolutely 100% qualified products
电源 (Power Supply)	丝印机 Printer AC380V 50HZ 9KW 3Phase 视觉检测 CCD AC220V 50HZ 2.5KW
供气压力 (Air Pressure)	5-7kg/cm
整机尺寸 (长宽高) Whole Line Dimension)	丝印机Printer 2800(L) X 2500(W) X 2100(H)mm 视觉检测 CCD 2300(L) X 1500(W) X 2200(H)mm





产品简介

- HY-767H属于标准机型HY-767的非标定制型号，加高加宽，双色丝印，适应客户生产线特殊需求。
- 适用于圆形、椭圆形，方形等多种承印物；整机结构合理、调试便捷、运行稳定。
- 集成同步自动上料、自动升降印刷、汞灯/高强度LED/紫外线固化等多种功能，实现高效率印刷工作。
- 全机电子元件及控制系统均进口自德国和日本知名品牌，确保产品高质高量。
- 通过国际名牌触摸屏显示PLC轻松实现人机对话，操作更为得心应手。
- 具备瓶子预先对位功能，印刷过程更加高效精准。
- 通过电子传感器实现“无件不印刷”，气压过低报警等自动监测功能。
- 整机原理为机械同步，轻松实现全自动化一条龙生产线，自由组合单色，双色甚至多色印刷。
- 可订制全自动组合生产线：CCD视觉检测，全自动贴标，全自动烫金等，满足各种印刷包装工艺高标准要求。

Introduction

- HY-767H is a non-standard customized model of the standard model HY-767, heightened and widened, 2 colors silk screen, to meet the special needs of customers' production lines.
- Suitable for round, oval, square and other objects; entire machine with reasonable structure, convenient debugging and stable operation.
- Integrate multiple functions such as synchronous automatic feeding, automatic lifting printing, mercury lamp/high-intensity LED/ultraviolet curing, etc., to achieve high-efficiency printing work.
- The electronic components and control system of the printer are imported from well-known German and Japanese brands to ensure higher quality and huger quantity of products.
- Through the international famous brand touch screen PLC, it is easy to realize the man-machine dialogue, and the operation is more convenient.
- With the function of pre-alignment of bottles, the printing process is more efficient and accurate.
- Realize automatic monitoring functions such as "no object no printing" and low air pressure alarm through electronic sensors.
- The principle of the whole machine is mechanical synchronization, which can easily realize a fully automated one-stop production line, freely combine single-color, double-color or even multi-color printing.
- Customizable automatic combined production line: CCD vision inspection, automatic labeling, automatic hot stamping, etc., to meet the high standards of various printing and packaging processes.

性能特点

- 自动可调速防磨入料输送带及入料检测装置
- 英国高效UV灯/高强度LED固化系统
- 2米长成成品检验输送带
- 独立PLC程控器及易用触摸屏操作系统
- 采用世界知名品牌电气元件，确保机器的持久稳定和耐用

Characteristics

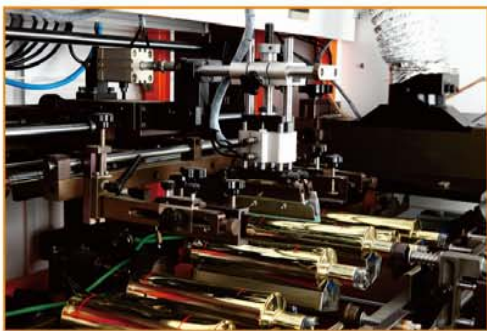
- Automatic abrasion-proof and adjustable-speed feeding conveyor and monitoring device.
- British high-efficiency UV light/high-intensity LED curing system
- Two meters' check-convey for printed objects.
- Independent PLC system and easy-to-use operation control system for touch screen.
- High quality and stability of printing due to world famous brands of electrical components.

技术参数(Specifications)

印刷产品外形 (Shape of Printed Object)	圆柱容器 (Cylindrical)	扁形容器 (Elliptical)
最大印刷长度 (Max. Printing Length)	300mm	120mm
最大印刷宽度 (Max. Printing Width)	250mm	40mm-200mm
印刷产品尺寸 (Printed Object Dimension)	Φ: 25mm-140mm L:60mm-300mm	R:25mm-250mm L:60mm-300mm
最快速度 (Max. speed)	4000Pcs/hr	5000Pcs/hr
供气压力 (Air pressure)	5-7kg/cm	
UV灯功率 (UV Lamp Power)	5kw	
电源 (Power Supply)	AC 380V 3Phase 50/60Hz 9kw	
外形尺寸 (Dimension)	5000(L)x2500(W)x2100(H)mm	
重量 (Weight)	3000kg	



承印物
Printing Objects



丝印系统 & UV固化系统
Screen Printing System & UV Curing System



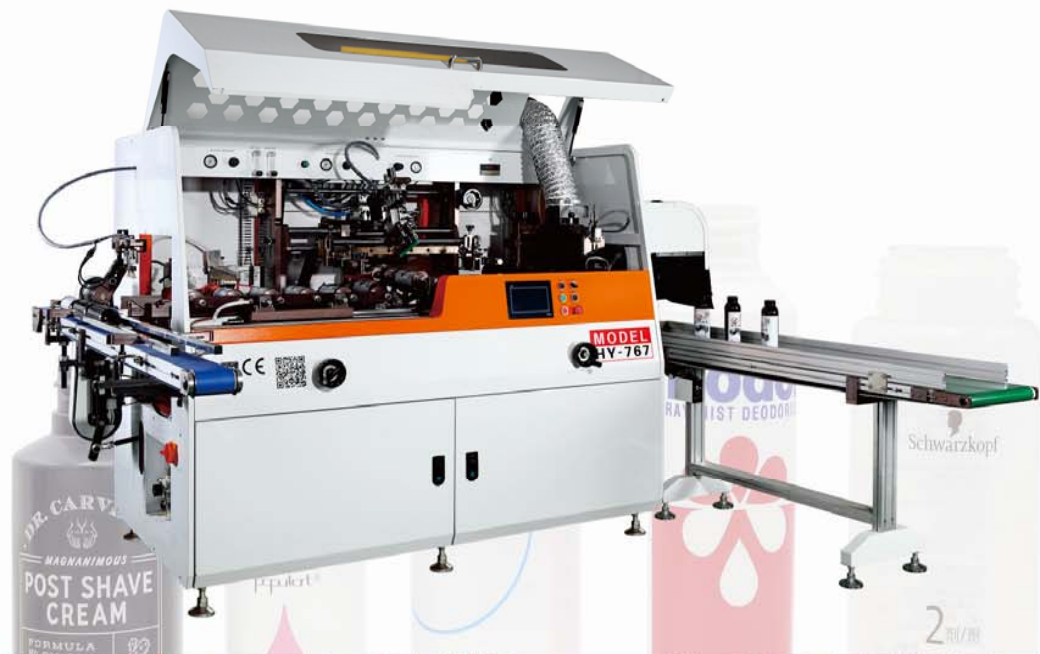
出料
Discharging

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入料
Feeding



多色印刷
Multi-Color Printing



丝印印头
Screen Printing Head

产品简介

- HY-767CE款是在原有机型HY-767基础上改良，且根据国际客户要求订制而诞生的新机型。
- 专为圆形，椭圆形，方形等多种承印物而设计，结构简单合理、调试方便快捷、运行稳定可靠。
- 整机集成同步自动上料、自动升降印刷及汞灯/高强度LED/紫外线固化等多种功能，大大提高了印刷效率，印刷速度最快可达4000pcs/hr。
- 通过触摸显示屏操作轻松实现人机对话，使操作更加得心应手。
- 具备圆瓶预先对位功能，使印刷过程更加高效精准。
- 通过电子传感器实现“无件不印刷”、气压过低报警等自动监测功能。
- 全机电子元件及控制系统均进口自德国和日本，确保了稳定的印刷品质。
- 整机采用机械同步原理；实现全自动化一条龙生产线；自由组合单色至多色印刷。
- 满足多种印刷包装工艺要求，可订制加装全自动贴标/烫金/CCD检测等功能，最大化一机多用。

Introduction

- HY-767CE is a new model that is improved on the basis of the original model HY-767, and is customized according to the requirements of international customers.
- Specially designed for screen printing on circular, round, oval, square containers. It makes debugging more convenient and efficient, also makes operation more stable and reliable.
- This type of machine can integrate automatic feeding, automatic lifting printing, mercury lamp/high intensive LED/ultraviolet curing and other functions synchronously. It also combines machine driven with pneumatic driven. All of these greatly improve printing efficiency and make the max. printing speed up to 4000pcs/hr.
- With touch screen, the whole operation becomes easy and convenient.
- It can also pre-check objects' position before printing, which makes printing more precise and high-efficiency.
- Due to specialized electronic sensors, it can achieve automatic monitoring function such as "no object, no printing" and automatic alarm when air pressure is too low.
- All electrical components and control systems are imported from Germany and Japan, so it ensures high quality and stability of printing.
- The whole machine adopts the principle of mechanical synchronization; realizes full automation one-stop production line; flexibly combines single-color to multi-color printing.
- To meet the requirements of various printing and packaging processes, it can be customized and equipped with functions such as automatic labeling / hot stamping / CCD detection, to maximize multiple uses and functions.

性能特点

- 自动可调速防磨入料输送带及入料检测装置
- 英国高效UV灯/高强度LED固化系统
- 2米长成品检验输送带
- 独立PLC程控器及易用触摸屏操作系统
- 采用世界知名品牌电气元件，确保机器的持久稳定和耐用

Characteristics

- Automatic abrasion-proof and adjustable-speed feeding conveyor and monitoring device.
- British high-efficiency UV light/high-intensive LED curing system
- Two meters' check-convey for printed objects.
- Independent PLC system and easy-to-use operation control system for touch screen.
- High quality and stability of printing due to world famous brands of electrical components.

技术参数(Specifications)

印刷产品外形 (Shape of Printed Object)	圆形容器 (Cylindrical)	扁形容器 (Elliptical)
最大印刷长度 (Max. Printing Length)	300mm	120mm
最大印刷宽度 (Max. Printing Width)	250mm	40mm-200mm
印刷产品尺寸 (Printed Object Dimension)	Φ: 25mm-140mm L: 60mm-300mm	R: 25mm-250mm L: 60mm-300mm
最快速度 (Max. speed)	4000Pcs/hr	5000Pcs/hr
供气压力 (Air pressure)	5-7kg/cm	
UV灯功率 (UV Lamp Power)	5kw	
电源 (Power Supply)	AC 380V 3Phase 50/60Hz 9kw	
外形尺寸 (Dimension)	2800(L)x2500(W)x2100(H)mm	
重量 (Weight)	1500kg	

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可根据客户要求定做自动化印刷生产线

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产品简介

视觉检测的工作原理：机器视觉检测系统采用CCD照相机将被拍摄目标转换成图像信号，传送给图像系统，根据像素分布和亮度、颜色等信息，转变为数字化信号；图像系统对这些信号进行各种运算来抽取目标的特征，如面积、数量、位置、长度，再根据预设的允许度和其他条件输出结果，包括尺寸、角度、个数、合格/不合格、有/无等，实现自动识别功能。

Introduction

Working Principle of Vision Inspection: The machine vision inspection system uses a CCD camera to convert the captured target into an image signal, which is transmitted to the image system, and converted into a digital signal according to the pixel distribution, brightness, color and other information; the image system performs various operations on these signals to extract the characteristics of the target, such as area, quantity, location, length, then output the result according to the preset tolerance and other conditions, including size, angle, number, pass/fail, yes/no, etc., to realize the automatic identification function.

性能特点

- 产品检测状态：在线动态检测
- 取图型式：线扫描或帧拍照（视产品形状及需求决定黑白或彩色相机）
- 系统性能：能够适应缺少光线、或光照以及焦距的变化
- 软件算法：深度学习视频教学算法、产品动态自学习算法和产品深度自动分区算法
- 同一机台同一电脑可实现同时运行缺陷检测和印刷定位双系统

Characteristics

- Product Inspection Status: online dynamic inspection
- Picture-Taking Type: line scan or frame photography (depending on the shape and requirements of the product to determine the black and white or color camera)
- System Performance: able to adapt to lack of light, or changes in light and focal length
- Software Algorithms: deep self-learning video teaching algorithm, product dynamic self-learning algorithm and product depth automatic partitioning algorithm
- The same machine and the same computer can realize the simultaneous operation of defect detection and printing positioning dual systems

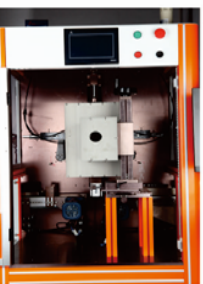
技术参数(Specifications)

产品形状 Shape of Inspection Object	圆形Cylindrical, 椭圆Elliptical, 方形Square, 平面Flat等etc.
产品尺寸 Size of Inspection Object	直径D 16-60mm 长度L 30-280mm
产品类型 Type of Inspection Object	有平面缺陷的所有产品, 膏霜罐、笔杆、乳液瓶、瓶盖、硬塑料瓶、玻璃瓶、金属瓶、软管、软塑料瓶等 (可定制标签、PCB板、汽车灯、药品、刀具等检测) all products with plane defects, such as cream jars, penholders, lotion bottles, bottle caps, hard plastic bottles, glass bottles, metal bottles, hoses, soft plastic bottles, etc. (labels, PCB boards, car lights, medicines, knives inspection can be customized)
产品检测速度 Speed of Object Inspection	50~200个/分钟 (视产品图形复杂程度) 50~200 pcs/min (depending on the complexity of product graphics)
产品质量监测及精度 Product Quality Monitoring and Accuracy	多印 (面积) $\geq 0.1\text{mm}^2$, 少印 (面积) $\geq 0.1\text{mm}^2$, 污点 (面积) $\geq 0.5\text{mm}^2$, 刮痕 (面积) $\geq 0.1\text{mm}^2$, 套色不准 (尺寸) $\geq 0.2\text{mm}$, 烫金偏差 (尺寸) 0.2mm-2.5mm, 色差 $\geq \pm 4$ 剔除; 以上检测精度可自由调节 more printing (area) $\geq 0.1\text{mm}^2$, less printing (area) $\geq 0.1\text{mm}^2$, stains (area) $\geq 0.5\text{mm}^2$, scratches (area) $\geq 0.1\text{mm}^2$, inaccurate color registration (size) $\geq 0.2\text{mm}$, hot stamping deviation (size) 0.2mm-2.5mm, color difference $\geq \pm 4$ elimination; the above detection accuracy can be adjusted freely
检测产品允许量最佳在线跳动 Best Online Beating of Inspection Object	0-0.9mm
视觉处理响应速度 Vision Processing Response Speed	≥ 80 毫秒(ms)
检测形式 Detection form	可实现分区不同精度要求检测 (最多可设定16区) realize the inspection of different precision requirements of the partition (up to 16 areas can be set)
产品误检率 Product false detection rate	$\leq 0.3\%$ (只会误检成不合格品, 通过检测的产品绝对100%合格品) only falsely detected as unqualified products, products that pass the test are absolutely 100% qualified products
整机电源 Machine Power Supply	AC220V 50HZ
最大总功率 Max. Total Power	2.5KW
压缩空气 Compressed Air	0.4-0.6Mpa
整机尺寸(长宽高) Machine Dimension	2300(L)X1500(W)X2200(H)mm

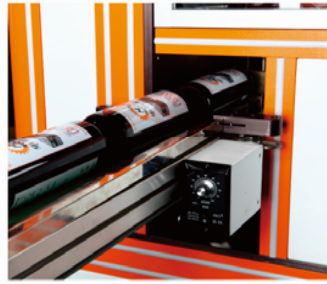
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CCD照相
CCD Camera



视觉
Vision



检测产品
Inspection Objects

视觉检测的优势 Advantages of Vision Inspection

- 1、非接触测量, 对于观测者与被观测者都不会产生任何损伤, 从而提高系统的可靠性。
Non-contact measurement will not cause any damage to the observer and the observed, thereby improving the reliability of the system.
- 2、具有较宽的光谱响应范围, 例如使用人眼看不见的红外测量, 扩展了人眼的视觉范围。
It has a wide spectral response range, such as using infrared measurement that is invisible to the human eyes, which expands the visual range of the human eyes.
- 3、长时间稳定工作, 人类难以长时间对同一对象进行观察, 而机器视觉则可以长时间地作测量、分析和识别任务。
Working stably for a long time, it is difficult for humans to observe the same object for a long time, while machine vision can do measurement, analysis and recognition for a long time.
- 4、利用了机器视觉解决方案, 可以节省大量劳动力资源, 为公司带来更可观利益。
The use of machine vision solutions can save a lot of labor resources and bring more substantial benefits to the company.



印头
Printing Head



承印物
Printing Objects



此机适合以上形状一次性印刷
One-Time Printing for All Above Size

承印物形状
Printing Objects Shape

可根据客户要求定做自动化印刷生产线

We are able to design and produce screen-printing production line according to your own requirements!

产品简介

- 该机器的设计理念是进行多用途丝网印刷，它可对圆锥形，椭圆形，正方形，不规则的产品进行部分或360度丝网印刷。
- 专门设计适用于无定位的圆形物体（例如塑料瓶，玻璃容器，化妆品容器，机油滤清器或其他圆形产品）上进行丝网印刷。
- 印刷行程，打印头和升降工作平台所用气缸全部是进口的，并且各部位的速度都可以分别调节。
- 通过光纤定位，在无定位的物体上实现精确多色套准。
- 由进口伺服电机驱动。
- 配备世界知名PLC控制器和触摸屏，使整个操作变得轻松便捷。
- 具有网板升降而非工作台升降的功能，确保套色的准确性，为操作员提供更大的方便。
- 可根据客户对自身产品的特殊要求，专门设计并量身定做个性化设备。

Introduction

- This machine design philosophy is to do all-purpose screen printing; it can do partial or 360 degree screen printing for conical, oval, square, irregular products.
- Specially designed for screen printing on round objects without fixed position, such as plastic bottle, glass container, cosmetic container, oil filter or other round products.
- Cylinders used in printing stroke, head and lifting working platform are all imported, and the speed of each part can be adjusted separately.
- Achieve precise multiple color registers on objects without fixed position through fiber positioning.
- Driven by imported servo motor.
- Equipped with world famous PLC controller and touch screen, so that the whole operation becomes easy and convenient.
- With feature of screen frame goes up and down, instead of worktable goes up and down, ensure registration accuracy and more convenient for operator.
- Design and customize machines according to your special printing needs.

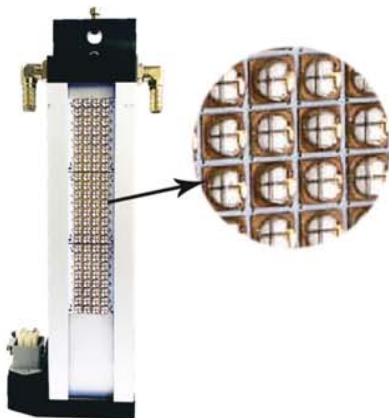
精密曲面丝网印台，环形丝印机，表面360度全方位印刷	Precision curved screen printing table, 360-degree printing on the surface.
可在金属、塑料、玻璃、木质等表面上印制文字、图案、保质期、生产日期、条形码、二维码等	Print text, pattern, shelf life, production date, barcode, QR code etc. on the surface of metal, plastic, glass, wood and other materials.
广泛应用于食品、饮料、日化、美容、医疗、汽车、电子、文具等行业	Widely used in food, beverage, daily chemical, beauty, medical, automobile, electronics, stationery and other industries.
机型小巧，外形美观，使用方便，操作简单，质量可靠，可节省大量时间和人工成本	Compact model, beautiful appearance, easy use, simple operation, reliable quality, can save a lot of time and labor costs.
支持非标机订制	Support non-standard machine customization.

技术参数(Specifications)

承印物形状 (Printing Objects Shape)	圆形，椭圆形，三角形，正方形，六边形，八边形，异形 Round, Oval, Square, Hexagon, Octagon, Special Shape
最大印刷面积 (长x宽x直径) Max. Printing Area	L 400 x W 200 x D 100 mm
最快印刷速度 (Max. Running Speed)	40 Cycles/min
电源 (Power Supply)	AC220V 1Phase 50Hz
供气压力 (Air Pressure)	4-6 Bar
外形尺寸 (长x宽x高) Dimension	1000(L)* 900(W)* 1500(H)mm
重量 (Weight)	500Kg



- 1 环保无污染，体积小
- 2 即开即亮，低能耗
- 3 超强照度，瞬间开关
- 4 安装简单，节约空间
- 5 无热辐射，固化速度快



可根据客户要求定做自动化印刷生产线

We are able to design and produce screen-printing production line according to your own requirements!

产品简介

- UV LED固化装置是采用UV LED大功率进口芯片作为光源，产生高纯度单一波长冷光源。
- 长寿命：UV LED灯的使用寿命是传统汞灯的10倍以上，且使用寿命不受开关次数影响。
- 可断续开关，无热辐射，超强照度，固化速度快，低能耗，环保无污染，体积小，安装简单，节约空间。
- 照射面积分三段点亮，可根据需要开启。信号控制UV灯点亮和关闭。
- 瞬间开关，不需要预热即可达到最大功率紫外输出，关闭后可以瞬间重新开机。
- UV LED固化系统操作简单，即开即亮，省掉待机电量消耗，提高生产效率。
- 定制方便，可定制有效照射区域，根据客户机型定制相应的LED UV。
- 安全保护：灯头超温停止照射工作，压缩机过流保护，流量报警，超温报警。
- 在胶印、凹印、柔印、丝印、高速喷码等高速印刷机上，我们高能量强度设计方案以达到更理想的效果。
- LED UV光源没有汞，无需灯罩等附件，有效降低了设备维护成本，并且完全符合了国家环保政策。

Introduction

- The UV LED curing device uses the UV LED high-power imported chip as the light source to produce high-purity single wavelength cold light source.
- Long life: the service life of UV LED lamp is more than 10 times that of traditional mercury lamp, and the service life is not affected by the switching times.
- Intermittent switch, no heat radiation, super illumination, fast curing speed, low energy consumption, environmental protection, pollution-free, small volume, simple installation and space saving.
- The integral three-stage illumination of the irradiation surface can be turned on as needed. Signal control UV light on and off.
- Instantaneous switch, can achieve the maximum power UV output without preheating, and can restart instantly after closing.
- UV LED curing system is easy to operate, which can be turned on and on immediately, saving standby power consumption and improving production efficiency.
- It is convenient to customize, and the effective irradiation area can be customized, and the corresponding LED UV can be customized according to the customer's model.
- In Offset printing, gravure printing, flexo printing, screen printing, high speed ink-jet printing and other high-speed printing press, our high-energy intensity design scheme to achieve better results.
- The LED UV light source has no mercury and no lampshade and other accessories, which effectively reduces the equipment maintenance cost and fully conforms to the national environmental protection policy.

技术参数(Specifications)

冷却方式 Cooling Mode	水冷 Water-cooling
工作电压 Working Voltage	200-240VAC, 50Hz
水冷压缩机功率 Compressor Power	470W
总消耗功率 Total Power Consumption	1470W
UV灯头光功率 Light Power of UV Lamp Base	16000mW/cm ²
UV灯头发光面积 Luminous Area of UV Lamp Base	168*28mm (长度可定制, Length can be customized)
机器尺寸 Machine dimensions	控制器 Controller: 59*29*43cm,



安色机械®

ONCE

OS-767 高速全自动丝印及固化生产线

OS-767 High-speed Fully Automatic Printing and Curing Production Line



优良的印刷设备和
自动化生产线提供商



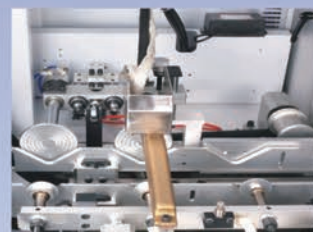
单元模块化设计 • 机器同步传动 • 印刷套色精准



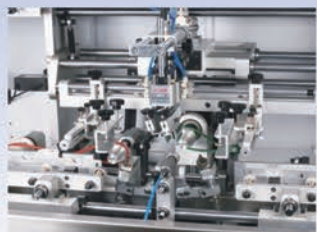
入料
Feeding



自动定向机械手
Automatic Manipulator



火焰处理
Flame Treatment



印刷与定位
Printing & Position Fixing



电子式UV系统
UV Curing System



出料
Discharging



可根据客户要求定做自动化印刷生产线

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安色机械®

ONCE

OS-767 高速全自动丝印及固化生产线

OS-767 High-speed Fully Automatic Printing and Curing Production Line

产品简介

- 专为圆形承印物而设计，结构简单合理、调试方便快捷、运行稳定可靠。
- 整机集成同步自动上料、自动升降印刷及紫外线固化等多种功能，大大提高了印刷效率，印刷速度最快可达4000pcs/hr。
- 通过触摸显示屏操作轻松实现人机对话，使操作更加得心应手。
- 具备圆瓶预先对位功能，使印刷过程更高效更精准。
- 通过电子传感器实现“无件不印刷”、气压过低报警等自动监测功能。
- 全机电气元件及控制系统均进口自德国和日本，确保了稳定的印刷品质。
- 可依据客户对自身产品的特殊要求，专门设计并量身定做设备。

Introduction

- Specially designed for screen printing on circular containers. It makes debugging more convenient and efficient, also makes operation more stable and reliable.
- This type of machine can integrate automatic feeding, automatic lifting printing, ultraviolet curing and other functions synchronously. It also combines machine driven with pneumatic driven. All of these greatly improve printing efficiency and make the max. printing speed up to 4000pcs/hr.
- With touch screen, the whole operation becomes easy and convenient.
- It can also pre-check objects' position before printing, which makes printing more precise and high-efficiency.
- Due to specialized electronic sensors, it can achieve automatic monitoring function such as "no object, no printing" and automatic alarm when air pressure is too low.
- All electrical components and control systems are imported from Germany and Japan, so it ensures high quality and stability of printing.
- We also provide customized designs and machines according to customers' own requirements.

性能特点

- 自动可调速防磨入料输送带及入料检测装置
- 美国高效UV灯固化系统
- 2米长成品检验输送带
- 独立PLC程控器及易用触摸屏操作控制系统
- 采用世界知名品牌电气元件，确保机器的持久稳定和耐用

Characteristics

- Automatic, abrasion-proof and adjustable-speed feeding conveyor and monitoring device.
- American high-efficiency UV light curing system.
- Two meters' check-convey for printed objects.
- Independent PLC system and easy-to-use operation control system for touch screen.
- High quality and stability of printing due to world famous brands of electrical components.

技术参数(Specifications)

印刷产品外形(Shape of Printed Object)	圆形容器(Cylindrical)	扁形容器(Elliptical)
最大印刷长度(Max. Printing Length)	300mm	120mm
最大印刷宽度(Max. Printing Width)	250mm	40mm-120mm
印刷产品尺寸(Printed Object Dimension)	Φ:25mm-140mm L:60mm-300mm	R:25mm-250mm L:60mm-300mm
最快速度(Max. speed)	4000Pcs/hr	5000Pcs/hr
供气压力(Air pressure)	5-7kg/cm ²	
UV灯功率(UV Lamp Power)	5kw	
电源(Power Supply)	AC 380V 3Phase 50/60Hz 9kw	
外形尺寸(Dimension)	2700(L)x2000(W)x1700(H)mm	
重量(Weight)	1500kg	

东莞市安色机械制造有限公司

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单元模块化设计 • 机器同步传动 • 印刷套色精准



可根据客户要求定做自动化印刷生产线
We are able to design and produce screen-printing production line according to your own requirements!

产品简介

- 专为圆形承印物而设计，结构简单合理、调试方便快捷、运行稳定可靠。
- 整机集成同步自动上料、自动升降印刷及紫外线固化等多种功能，大大提高了印刷效率，印刷速度最快可达4000pcs/hr。
- 通过触摸显示屏操作轻松实现人机对话，使操作更加得心应手。
- 具备圆瓶预先对位功能，使印刷过程更高效更精准。
- 通过电子传感器实现“无件不印刷”、气压过低报警等自动监测功能。
- 全机电气元件及控制系统均进口自德国和日本，确保了稳定的印刷品质。
- 可依据客户对自身产品的特殊要求，专门设计并量身定做设备。

Introduction

- Specially designed for screen printing on circular containers. It makes debugging more convenient and efficient, also makes operation more stable and reliable.
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- 自动可调速防磨入料输送带及入料检测装置
- 美国高效UV灯固化系统
- 2米长成品检验输送带
- 独立PLC程控器及易用触摸屏操作控制系统
- 采用世界知名品牌电气元件，确保机器的持久稳定和耐用

Characteristics

- Automatic, abrasion-proof and adjustable-speed feeding conveyor and monitoring device.
- American high-efficiency UV light curing system.
- Two meters' check-convey for printed objects.
- Independent PLC system and easy-to-use operation control system for touch screen.
- High quality and stability of printing due to world famous brands of electrical components.

技术参数(Specifications)

印刷产品外形(Shape of Printed Object)	圆形容器(Cylindrical)	扁形容器(Elliptical)
最大印刷长度(Max. Printing Length)	300mm	120mm
最大印刷宽度(Max. Printing Width)	250mm	40mm-120mm
印刷产品尺寸(Printed Object Dimension)	Φ:25mm-140mm L:60mm-300mm	R:25mm-250mm L:60mm-300mm
最快速度(Max. speed)	4000Pcs/hr	5000Pcs/hr
供气压力(Air pressure)	5-7kg/cm ²	
UV灯功率(UV Lamp Power)	5kw	
电源(Power Supply)	AC 380V 3Phase 50/60Hz 9kw	
外形尺寸(Dimension)	2700(L)x2000(W)x1700(H)mm	
重量(Weight)	1500kg	

东莞市华佑自动化科技有限公司

Dongguan Huayu Automation Technology Co., Ltd.

东莞市安色机械制造有限公司

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OS-175 高速全自动单色丝印及固化生产线

OS-175 Automatic Single-color Screen Printing and Curing Machine



优良的印刷设备和 自动化生产线提供商



进料
Feeding



火焰处理
Flame Treating



离子风除尘
Ionic Wind Dedusting



磁力电机
Magnetic Motor



印刷系统
Printing



UV固化系统
UV Curing System



出料
Discharging



可根据客户要求定做自动化印刷生产线

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Member of



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ONCE

OS-175 高速全自动单色丝印及固化生产线

OS-175 Automatic Single-color Screen Printing and Curing Machine

产品简介

- 专为特殊圆形承印物的印刷而设计，主要适用于软管、瓶盖、膏霜罐的等圆形制品，并可实现部分制品的多色印刷及精确套色。
- 主传动采用欧洲名牌传动器材，辅以高速精密间隙分割器，从而实现精确分度传动，使整机运行更加平稳可靠，印刷速度可高达4800pcs/hr。
- 整机控制采用国际名牌PLC控制及设置简便快捷的触摸屏操作，轻易实现人机对话，操作更加得心应手。
- 油墨固化可采用电子式紫外线固化或红外线干燥，在保证性能稳定和节省电能的情况之下，可获得更加优秀的固化效果。
- 具有离子风除尘、无件不印刷、气压过低报警、废料/错料报警等自动报警等自动检测功能。
- 全自动上料系统与卸料机械手装置确保了印刷的连续与稳定，也尽可能避免了在印刷过程中造成承印物表面的刮伤，更加保障了作业人员的安全操作。
- 根据客户要求，可选装以下配置：
 - 1) 全自动上料器（可节省操作人员，实现全面自动化生产）
 - 2) 伺服+光标定位系统（可实现再次精确套色完成胶印、烫印）
 - 3) 机械定位装置（可实现多色套印）
 - 4) 丝印烫印相互转换功能

Introduction

- Specially designed for screen printing on circular objects, such as tubes, bottle caps, cosmetic jars and so on. And also can achieve multi-color printing and precise color register.
- Main drive system uses transmission equipments of famous brand from Europe with precise high-speed indexer, so that it can make operations more stable and reliable. The maximum printing speed can reach up to 4800Pcs/hr.
- Equipped with world famous PLC controller and convenient touch screen, therefore the whole operation becomes easy and simple.
- Printing ink can be solidified by UV curing or infrared drying, and gain more idea solidification effect on the base of ensuring stable performance and power saving.
- Be provided with automatic monitoring function such as ionic wind dedusting, "no object, no printing", automatic alarm due to low air pressure and waste or wrong material, etc.
- With automatic feeding system and discharge manipulator, not only ensure continuous and stable printing operation, but also avoid scratching surface of printed object during printing process and guarantee operator's safe operation.
- Optional configuration (according to customers' requirements):
 - a. Automatic feeder (can save manpower and realize fully automatic production)
 - b. Servo & Cursor Positioning System (can achieve precise color register for offset printing and hot stamping)
 - c. Mechanical positioning device (can realize multi-color overprinting)
 - d. Transformation function between screen printing and hot stamping

技术参数(Specifications)

印刷尺寸范围(Printed Object Dimension)	Φ: 10mm~75mm, L: 20mm~230mm
电源要求(Power Supply)	380V, 3Phase, 50Hz, 4.5Kw
气源要求(Air Supply)	6-8Bar
UV灯功率(UV Lamp Power)	2.4Kw / 3.2Kw
最快速度(Max. Printing Speed)	4800Pcs/hr
外形尺寸(Machine Dimension)	2500(L) x 1700(W) x 1900(H) mm
总功率(Total Power)	3.8Kw / 4.6Kw
整机重量(Weight)	1400Kg

东莞市安色机械制造有限公司

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OS-230 Automatic Double-color Screen Printing and Curing Machine



优良的印刷设备和 自动化生产线提供商



进料
Feeding



火焰处理
Flame Treating



离子风除尘
Ionic Wind Dedusting



磁力电机
Magnetic Motor



印刷系统
Printing



UV固化系统
UV Curing System



出料
Discharging



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ONCE

OS-230 高速全自动双色丝印及固化生产线

OS-230 Automatic Double-color Screen Printing and Curing Machine

产品简介

- 专为圆形承印物的双色印刷而设计，主要适用于软管、瓶盖、离心管、膏霜罐的等圆形制品，并可实现部分制品的多色印刷及精确套色。
- 主传动采用欧洲名牌传动器材，辅以高速精密间隙分割器，从而实现精确分度传动，使整机运行更加平稳可靠，印刷速度可高达4200pcs/hr。
- 整机控制采用国际名牌PLC控制及设置简便快捷的触摸屏操作，轻易实现人机对话，操作更加得心应手。
- 油墨固化可采用电子式紫外线固化或红外线干燥，在保证性能稳定和节省电能的情况之下，可获得更加优秀的固化效果。
- 具有离子风除尘、无件不印刷、气压过低报警、废料/错料报警等自动报警等自动检测功能。
- 全自动上料系统与卸料机械手装置确保了印刷的连续与稳定，也尽可能避免了在印刷过程中造成承印物表面的刮伤，更加保障了作业人员的安全操作。
- 根据客户要求，可选装以下配置：
 - 1) 全自动上料器（可节省操作人员，实现全面自动化生产）
 - 2) 伺服+光标定位系统（可实现再次精确套色完成胶印、烫印）
 - 3) 机械定位装置（可实现多色套印）
 - 4) 丝印烫印相互转换功能

Introduction

- Specially designed for double-color screen printing on circular objects, such as tubes, bottle caps, centrifuge tube, cosmetic jars and so on. And also can achieve multi-color printing and precise color register.
- Main drive system uses transmission equipments of famous brand from Europe with precise high-speed indexer, so that it can make operations more stable and reliable. The maximum printing speed can reach up to 4200Pcs/hr.
- Equipped with world famous PLC controller and convenient touch screen, therefore the whole operation becomes easy and simple.
- Printing ink can be solidified by UV curing or infrared drying, and gain more idea solidification effect on the base of ensuring stable performance and power saving.
- Be provided with automatic monitoring function such as ionic wind dedusting, "no object, no printing", automatic alarm due to low air pressure and waste or wrong material, etc.
- With automatic feeding system and discharge manipulator, not only ensure continuous and stable printing operation, but also avoid scratching surface of printed object during printing process and guarantee operator's safe operation.
- Optional configuration (according to customers' requirements):
 - a. Automatic feeder (can save manpower and realize fully automatic production)
 - b. Servo & Cursor Positioning System (can achieve precise color register for offset printing and hot stamping)
 - c. Mechanical positioning device (can realize multi-color overprinting)
 - d. Transformation function between screen printing and hot stamping

技术参数(Specifications)

印刷尺寸范围(Printed Object Dimension)	Φ: 8mm~28mm, L: 20mm~230mm
电源要求(Power Supply)	380V, 3Phase, 50Hz, 4.5Kw
气源要求(Air Supply)	6-8Bar
UV灯功率(UV Lamp Power)	3.5Kw
最快速度(Max. Printing Speed)	4200Pcs/hr
外形尺寸(Machine Dimension)	2600(L) x 1700(W) x 1900(H) mm
总功率(Total Power)	3.8Kw / 4.6Kw
整机重量(Weight)	1400Kg

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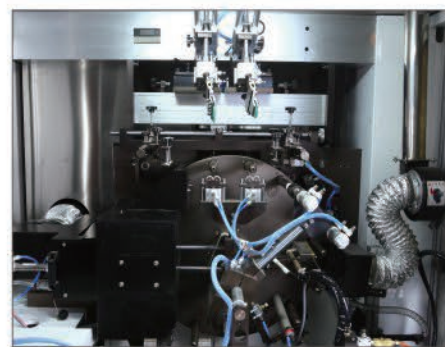
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优良的印刷设备和
自动化生产线提供商



进料系统
Feeding System



印刷系统
Printing System



旋盖系统
Capping System



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产品简介

- 专为圆形承印物的双色印刷而设计，主要适用于医疗领域方面的离心管产品，及软瓶、瓶盖、膏霜罐等圆形制品，并可实现部分制品的多色印刷及精确套色。
- 主传动采用欧洲名牌传动器材，辅以高速精密间隙分割器，从而实现精确分度传动，使整机运作更加平稳可靠，印刷速度可高达4200PCS 每小时。
- 整机控制采用国际名牌PLC控制及设置简便快捷的触摸屏操作，轻易实现人机对话，操作更加得心应手。
- 油墨固化可采用电子式紫外线固化或红外线干燥，在保证性能稳定和节省电能的情况之下，可获得更加优秀的固化效果。
- 具有离子风除尘、无件不印刷、气压过低报警、废料/错料报警等自动报警等自动检测功能。
- 全自动上料系统与卸料机械手装置确保了印刷的连续与稳定，也尽可能避免了在印刷过程中造成承印物表面的刮伤，更加保障了作业人员能安全操作。
- 根据客人要求，可选装以下配置：
 - 1, 全自动上料器(可节省操作人员，实现全面自动化生产)
 - 2, 伺服+光标定位系统(可实现再次精准套色，完成胶印、烫印)
 - 3, 机械定位装置(可实现多色套印)
 - 4, 丝印烫印相互转换功能
 - 5, 旋盖装置系统(可节省操作人员，实现全面自动化生产)

Introduction

- Specially designed for double-color screen printing on circular objects, such as tubes, bottle caps, centrifuge tube, cosmetic jars and so on. And also can achieve multicolour printing and precise color register.
- Main drive system uses transmission equipment of famous brand from Europe with precise high-speed indexer, so that is can make operations more stable and reliable. The maximum printing speed can reach up to 4200pcs/hr.
- Equipped with world famous PLC controller and convenient touch screen, therefore the whole operation becomes easy and simple.
- Printing ink can be solidified by UV curing or infrared drying, and gain more idea solidification effect on the base of ensuring stable performance and power saving.
- Be provided with automatic monitoring function such as ionic wind dedusting, "no object, no printing", automatic alarm due to low air pressure and waste or wrong material, etc.
- With automatic feeding system and discharge manipulator, not only ensue continuous and stable printing operation, but also avoid scratching surface of printed object during printing process and guarantee operator's safe operation.
- Optional Configuration (According to customer's requirement)
 - a, Automatic feeder (can save manpower and realize fully automatic production)
 - b, Servo & Cursor Positioning System (can achieve precise color register for offset printing and hot stamping)
 - c, Mechanical positioning device (can realize multi-color overprinting)
 - d, Transformation function between screen printing and hot stamping
 - e, Automatic Capping System (can save manpower and realize fully automatic production)

技术参数(Specifications)

印刷尺寸范围(Printed Object Dimension)	Diameter: \varnothing 8-28mm, Height: 20-230mm
电源要求(Power Supply)	380V, 3Phase, 50Hz, 4.5Kw
气源要求(Air Supply)	6-8Bar
UV灯功率(UV Lamp Power)	3.5Kw
最快印刷速度(Max. Printing Speed)	4200pcs/hr
外形尺寸(Machine Dimension)	2600(L) x 1700(W) x 1900(H) mm
总功率(Total Power)	3.8Kw / 4.6Kw
整机重量(Machine Weight)	1400Kg

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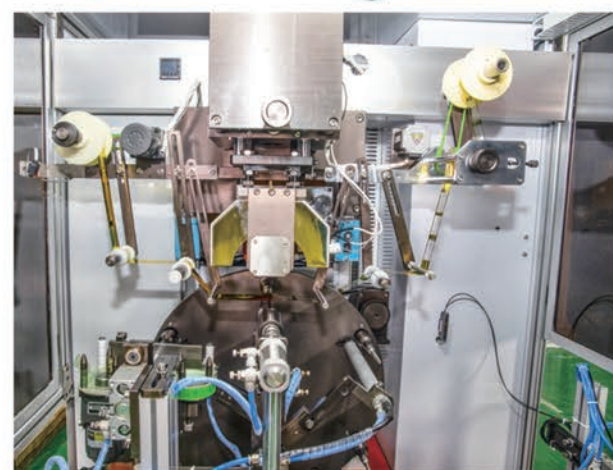
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OS-T106 全自动单色圆柱烫金机

OS-T106 Automatic Single Color Cylindrical Hot Stamping Machine



优良的印刷设备和
自动化生产线提供商



烫印系统

Hot Stamping System



应用于高端日化类，睫毛膏管，口红管，眉笔管等
Mascara tube, lipstick tube, eyebrow pencil tube, etc.



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ONCE

OS-T106 全自动单色圆柱烫金机

OS-T106 Automatic Single Color Cylindrical Hot Stamping Machine

产品简介

- 自动烫金机是本司最新研发的自动烫金设备，主要针对圆柱形塑料瓶、瓶盖等回转体表面进行图案及文字的烫印。烫头部位可进行角度及前后位移调节。温度、速度、烫印长度、收纸和送纸张力等可调整。
- 适用烫印品有：各种圆形瓶盖、软管（化妆品、药品及食品等容器）。
- 整机控制系统均采用日本欧姆龙PLC及触摸屏，确保机器操作便捷且运行平稳可靠。
- 全自动上料系统与卸料机械手装置确保了印刷的连续与稳定，也尽可能避免了在印刷过程中造成承印物表面的刮伤，更加保障了作业人员的安全操作。
- 通过电子传感器实现“无件不烫”，气压过低报警，缺烫金纸报警等自动监测功能。
- 无件不烫印功能可以保证机器高速烫印之连续性和省料性。
- 卷纸采用伺服电机控制，通过设置相应的卷纸长度，从而减少了烫金纸的浪费；对于烫印彩色小图案，更能快速准确地控制出纸长短，从而大大提高烫印的速度。

Introduction

- The automatic hot stamping machine is the automatic hot stamping equipment latest developed by our company, which is mainly used for hot stamping of patterns and text on the surface of cylindrical plastic bottles, bottle caps and other rotating bodies. The head can be adjusted in angle and forward & backward displacement. Temperature, speed, hot stamping length, the force of paper delivery and feeding etc. are adjustable.
- Suitable for hot stamping on: various round bottle caps, soft tubes (containers of cosmetics, medicine and food etc.).
- The control system of the whole machine adopts Japanese OMRON PLC and touch screen, to ensure the machine to operate easily and run smoothly & reliably.
- Fully automatic loading system and unloading manipulator device ensure the continuity and stability of printing, and avoid the scratches on the surface of the printing material as much as possible during the printing process, more ensure the safe operation of the operator.
- Due to specialized electronic sensors, it achieves automatic monitoring functions such as "no object, no hot stamping", and automatic alarm when low air pressure or lack of gold foil etc.
- "No object, no hot stamping" function can ensure the continuity and material-saving of the machine's high speed hot stamping.
- The roll paper is controlled by servo motor. By setting the corresponding roll paper length to reduce the waste of gold foil; for hot stamping on small colored patterns, the paper length can be controlled quickly and accurately, thereby greatly increasing the speed of hot stamping.

技术参数(Specifications)

型号(Model NO)	OS-T106
工位(Stations)	6
工位承印产品形状(Hot Stamping product shape)	Cylindrical
烫金面积(Hot Stamping area)	Φ:10mm-40mm, H:20mm-100mm
承载物品大小(Hot Stamping product size)	Φ:10mm-40mm, H:20mm-150mm
最高运行速度(Max. Hot Stamping speed)	50Pcs/min
气压要求(Air requirement)	6-8 Bar
电压要求(Electrical Supply)	380V, 3Phase, 50Hz
总功率(Power consumption)	3.2Kw
机器尺寸(Machine Dimension(LxWxH))	3150 x 1250 x 1900 mm
整机重量(Weight)	1000KG

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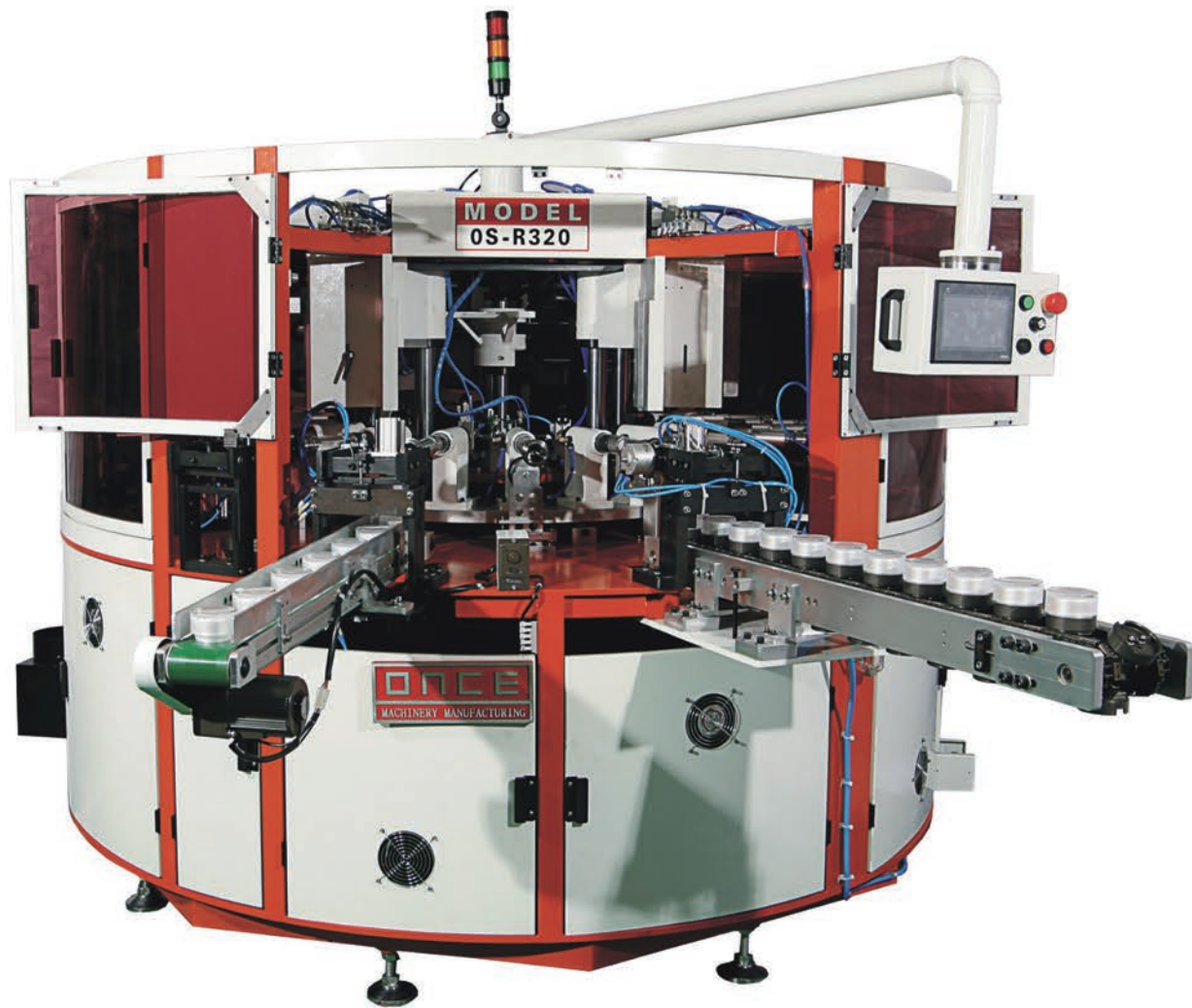
ONCE

OS-R320 三色全自动丝印及固化生产线

OS-R320 Three Color Automatic Screen Printing & UV Curing System



优良的印刷设备和
自动化生产线提供商



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OS-R320 三色全自动丝印及固化生产线

OS-R320 Three Color Automatic Screen Printing & UV Curing System

产品简介

- 1、OS-R320拥有三组印刷二十工位的多功能全自动丝印机，是专为软管、酒瓶盖、膏霜罐、滤清器等直径在80MM的圆形产品印刷而研制的。
2、触摸屏操作轻松实现人机对话，使操作更加得心应手；高精度机械零件加工使机器运行更稳定。
3、机器采用电子传感器实现“无件不印”、“气压过低”、“套色不准”等自动检测功能。
4、机器采用原装意大利、德国、日本的配件，确保了整机的品质，使印刷产品更高效更精准。
5、可以选装以下升级版高配置（价格需另购）：
- 全自动理料及上料系统（可节省大量人工，实现全面自动化）；
- 自动光标对位系统（实现套色印刷）；
- 美国SIMCO离子风除尘装置（减少生产环境不确定因素）；
- 意大利产废品检测CCD装置（减去大量人工通过眼睛目测）；
- 可加装丝印、烫金、转印、上光等装置（更加适合市场多元化的需求）；
6、可根据客户对自身产品的特殊要求，专门设计并量身定做个性化设备。

Introduction

- 1、OS-R320 is automatic three color screen printing machine with 20 stations, specially designed for round objects, such as tubes, wine bottle caps, cosmetic jars, oil filter etc.
2、World famous PLC and touch screen controlled for well operation, and precision mechanical parts for stable running.
3、Auto detective function for "No Print Without Part", "Low Air Pressure Alarm" and "Inaccuracy Registration" etc.
4、Equipped with Italy, Germany, Japan parts, ensure printing high efficiency and precision.
5、Optional for more automation:
- Bowl feeder with auto infeed system (Save labor cost)
- Optical re-registration sensor (Re-registration printing)
- USA SIMCO anti-static device (Cleaning and neutralizing object surface)
- Italy CCD system for reject products (More efficiency finished products)
- Available install hot stamping and heat transfer system (Satisfy different requirements)
6、Design and customize machine according to your special printing needs.

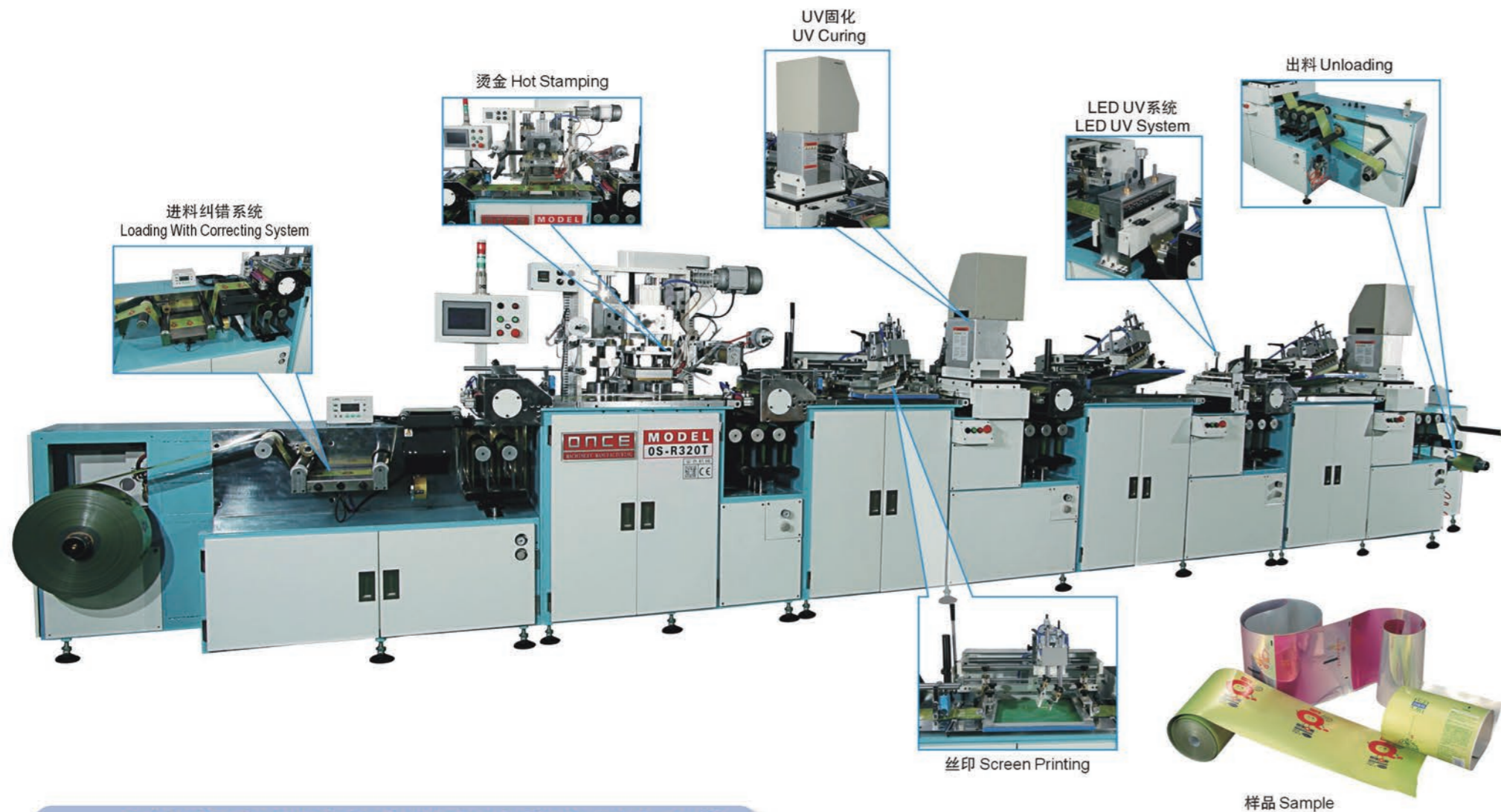
技术参数(Specifications)

Table with 2 columns: Parameter and Value. Includes Max. Printing Size, Printing Capacity, UV Power, Machine Power, Voltage, Air Pressure, Weight, Machine Size, and Crated Size.

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安色机械 优良的印刷设备和
自动化生产线提供商

产品简介

- 适用于复合软管片材、软性线路板、热转印膜、薄膜开关及各类卷材的印刷。
- 采用先进的单元模块化设计，可根据实际生产需求任意组合，轻松实现丝印、烫金、胶印、滚网印等多种印刷工艺的组合。
- 整机控制系统均采用日本欧姆龙PLC及触摸屏，确保机器操作便捷且运行平稳可靠。
- 同步传动包括德国光电系统、日本伺服定位系统、三桥自动纠偏系统及张力控制系统，有效减少了产品在印刷过程中因印刷走位、承印物弹性变形和UV热变形而产生的套色误差，确保套色精准。
- 固化系统采用美国原装FUSION UV系统，彻底解决多种材质在印刷过程中出现的脱墨问题。
- 多部位的监测装置为机器正常运行提供了必要的保障作用，确保机器能够长期安全运行。
- 此机可配备CCD废品自动检测系统，从而大幅度减少操作人员对目测的依赖性。
- 可根据客户对自身产品的特殊要求，专门设计并量身定做设备。

Introduction

- Specially designed for screen printing on composite tube sheet, flexible circuit board, heat transfer film, membrane switch and sorts of coiled material.
- With advanced unit modular design, any of screen printing, hot stamping, offset printing and roller screen printing can be free combined according to practical requirements.
- Equipped with Japanese OMRON PLC and touch screen, make sure the whole operation easy and simple.
- Synchronous drive includes German electro-optical system, Japanese servo positioning system, MITSUBISHI automatic correction system and tension control system. This effectively reduces the color error caused by movement, elastic deformation, UV thermal deformation during printing process, and achieve precise color register.
- As to UV curing system, we use American original FUSION UV system and it can essentially avoid the problem of deinking on variety of materials during printing process.
- Monitoring devices installed in multiple position make sure the machine runs safely and stably in a long time.
- Can be equipped with CCD automatic defect detecting system, therefor rely much less on visual inspection by operator.
- We also provide customized designs and machines according to customers' own requirements.

技术参数(Specifications)

卷材最大宽度(Max.Width of Product)	300mm
网框最大尺寸(Max.Dimension of Screen Frame)	430(L)x400(W)mm
最大印刷面积(Max.Printing Dimension)	340(L)x260(W)mm
最快印刷速度(Max.Printing Speed)	75pcs/min
总功率(Power Consumption)	33kw
电力要求(Power Supply)	380V 3Phase 50Hz
气压要求(Air Pressure)	6-8bar
机器尺寸(Machine Dimension)	10600(L)x690(W)x1800(H)mm
整机重量(Total Weight)	4800kg

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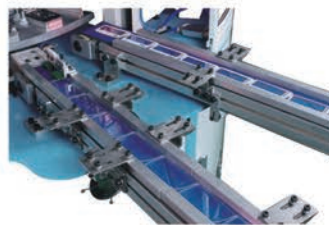
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OS-324 全自动高速三色平面丝印机

OS-324 Automatic Three-color Flat Screen Printing Machine



优良的印刷设备和
自动化生产线提供商



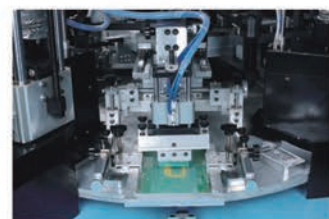
进料
Loading



产品检测
Product Detection



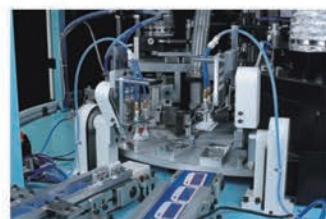
离子风除尘
Ionic Wind Dedusting



印刷
Printing



UV固化
UV Curing



出料
Unloading



样品
Sample



安色机械®

ONCE

OS-324 全自动高速三色平面丝印机

OS-324 Automatic Three-color Flat Screen Printing Machine

产品简介

- 专为化妆粉盒、文具尺、平面笔、电表透明板等平面类产品之印刷而研制。
- 集成同步自动进出料、出入料机械手、产品检测、离子风除尘、紫外线固化及快/慢速机械同步传送等多种功能，大大提高了印刷效率，印刷速度最快可达2700pcs/hr。
- 先进模块式程式控制器、触摸显示屏操作系统轻松实现人机对话，使操作更加得心应手。
- 通过电子传感器实现“无件不印刷”、气压过低报警等自动监测功能。
- 全机电气元件及控制系统均进口自德国和日本，确保了稳定的印刷品质。
- 可依据客户对自身产品的特殊要求，专门设计并量身定做设备。

Introduction

- Specially designed for screen printing on flat surfaces, such as cosmetic powder compact, rulers, flat pens, etc.
- This type of machine can integrate automatic loading/unloading system, loading/unloading robot hand, product detection, ionic wind dedusting, ultraviolet curing and mechanical convey synchronously, greatly improve printing efficiency and make the maximum printing speed up to 2700pcs/hr.
- With advanced modular program controller and touch screen monitor, the whole operation becomes easy and convenient.
- Due to specialized electronic sensors, it can achieve automatic monitoring function such as "no object, no printing" and automatic alarm when air pressure is too low.
- All electrical components and control systems are imported from Germany and Japan, so it ensures high quality and stability of printing.
- We also provide customized designs and machines according to customers' own requirements.

技术参数(Specifications)

印刷产品尺寸(Product Dimension)	160(L)x160(W)x100(H)mm
最大印刷面积(Max.Printing Area)	110x90mm
最快印刷速度(Max.Printing Speed)	45pcs/min
UV灯功率(UV Lamp Power)	2.7kw
总功率(Power Consumption)	10kw
电力要求(Power Supply)	380V 3Phase 50Hz
气压要求(Air Pressure)	3-5bar
机器尺寸(Machine Dimension)	4950(L)x3150(W)x2350(H)mm
重量(Weight)	1500kg



可根据客户要求定做自动化印刷生产线

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ONCE Machinery Manufacturing Co.,Ltd.

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ONCE

OS-F12 全自动高速平面丝印机

OS-F12 Automatic High-speed Flat Screen Printing Machine



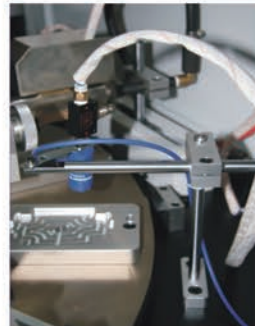
优良的印刷设备和
自动化生产线提供商



输送带
Conveyor



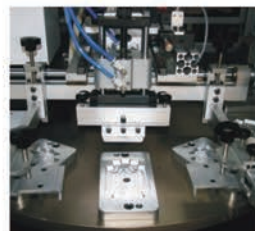
自动定向机械手
Automatic Manipulator



离子风除尘
Ionic Wind Dedusting



火焰处理
Flame Treatment



印刷与定位
Printing & Position Fixing



UV固化系统
UV Curing System



可根据客户要求定做自动化印刷生产线

We are able to design and produce screen-printing production line according to your own requirements!

专业 · 高效 · 精良 · 节能 · 诚信 · 共赢



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安色机械®

ONCE

OS-F12 全自动高速平面丝印机

OS-F12 Automatic High-speed Flat Screen Printing Machine

产品简介

- 专为平面承印物而设计，结构简单合理、调试方便快捷、运行稳定可靠。
- 整机集成同步自动上料、表面处理、自动升降印刷及紫外线固化等多种功能，大大提高了印刷效率，印刷速度最快可达3000pcs/hr。
- 通过触摸显示屏操作轻松实现人机对话，使操作更加得心应手。
- 采用日本分度器，确保印刷过程更高效更精准。
- 通过电子传感器实现“无件不印刷”、气压过低报警等自动监测功能。
- 全机电气元件及控制系统均进口自德国和日本，确保了稳定的印刷品质。
- 可依据客户对自身产品的特殊要求，专门设计并量身定做设备。

Introduction

- Specially designed for screen printing on flat surfaces. It makes debugging more convenient and efficient, also makes operation more stable and reliable.
- This type of machine can integrate automatic feeding, surface treating, automatic lifting printing, ultraviolet curing and other functions synchronously. It also combines machine driven with pneumatic driven. All of these greatly improve printing efficiency and make the max. printing speed up to 3000pcs/hr.
- With touch screen, the whole operation becomes easy and convenient.
- Use Japanese indexer and makes printing process more precise and high-efficiency.
- Due to specialized electronic sensors, it can achieve automatic monitoring function such as "no object, no printing" and automatic alarm when air pressure is too low.
- All electrical components and control systems are imported from Germany and Japan, so it ensures high quality and stability of printing.
- We also provide customized designs and machines according to customers' own requirements.

性能特点

- 自动调速防磨入料输送带及入料检测装置
- 美国高效UV灯固化系统
- 2米长成品检验输送带
- 独立PLC程控器及易用触摸屏操作控制系统
- 采用世界知名品牌电气元件，确保机器的持久稳定和耐用

Characteristics

- Automatic, abrasion-proof and adjustable-speed feeding conveyor and monitoring device.
- American high-efficiency UV light curing system.
- Two meters' check-convey for printed objects.
- Independent PLC system and easy-to-use operation control system for touch screen.
- High quality and stability of printing due to world famous brands of electrical components.

技术参数(Specifications)

印刷产品外形(Shape of Printed Object)	平面产品(Flat Surface)
最大印刷长度(Max. Printing Length)	150mm
最大印刷宽度(Max. Printing Width)	100mm
印刷产品尺寸(Printed Object Dimension)	130x90 mm
最快速度(Max. speed)	3000pcs/hr
供气压力(Air pressure)	5-7kg/cm ²
UV灯功率(UV Lamp Power)	3kw
电源(Power Supply)	AC 380V 3Phase 50/60Hz 9kw
外形尺寸(Dimension)	2400(L)x1200(W)x1700(H)mm (含输送带 including conveyor)
重量(Weight)	1000kg

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OS-R45 高速全自动丝网印刷生产线

OS-R45 High-speed Automatic Screen Printing Production Line



优良的印刷设备和
自动化生产线提供商

- 可与生产线连接
- 机械传动



样品展示
Samples



彩色触摸显示屏
Color Touch Screen



上料直立
Feeding Upstanding



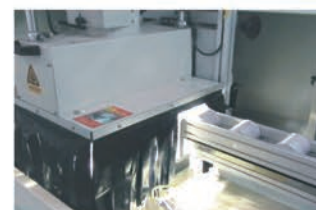
上料
Feeding



印刷及定位
Printing & Position Fixing



出料
Discharging



UV紫外线固化系统
UV Curing System



出料直立
Discharging Upstanding

可根据客户要求定做自动化印刷生产线
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OS-R45 High-speed Automatic Screen Printing Production Line

产品简介

- 专为圆形承印物而设计，结构简单合理，调试方便快捷，运行稳定可靠。
- 整机集成同步自动上料、自动升降印刷及紫外线固化等多种功能，大大提高了印刷效率，印刷速度最快可达3000pcs/hr。
- 通过触摸显示屏操作轻松实现人机对话，使操作更加得心应手。
- 具备圆瓶预先对位功能，使印刷过程更高效更精准。
- 通过电子传感器实现“无件不印刷”、气压过低报警等自动监测功能。
- 全机电气元件及控制系统均进口自德国和日本，确保了稳定的印刷质量。
- 可依据客户对自身产品的特殊要求，专门设计并量身定做设备。

Introduction

- Specially designed for the screen printing on circular containers. It makes debugging more convenient and efficient, also makes operation more stable and reliable.
- This type of machine can integrate automatic feeding, automatic lifting printing, ultraviolet curing and other functions synchronously. It also combines machine driven with pneumatic driven. All of these greatly improve printing efficiency and make the max. printing speed up to 3000pcs/hr.
- With touch screen, the whole operation becomes easy and convenient.
- It can also pre-check objects' position before printing, which makes printing more precise and high-efficiency.
- Due to specialized electronic sensors, it can achieve automatic monitoring function such as "no product, no printing" and automatic alarm when air pressure is too low.
- All electrical components and control systems are imported from Germany and Japan, so it ensures high quality and stability of printing.
- We also provide customized designs and machines according to customers' own requirements.

性能特点

- 自动可调速防磨入料输送带及入料检测装置。
- 美国高效UV灯固化系统。
- 2米长成品检验输送带。
- 独立PLC程控器及易用触摸屏操作控制系统。
- 采用世界知名品牌电气元件，确保机器的持久稳定和耐用。

Characteristics

- Automatic, abrasion-proof and adjustable-speed feeding conveyor and monitoring device.
- American high-efficiency UV light curing system.
- Two meters' check-convey for printed objects.
- Independent PLC system and easy-to-use operation control system for touch screen.
- High quality and stability of printing due to world famous brands of electrical components.

技术参数(Specifications)

最大印刷面积(Max. Printing Area)	320 × 250mm	最大网框尺寸(Max. Screen Frame Size)	550 × 350mm
最小产品直径(Min. Cylindrical-container Diameter)	Φ20mm	最大产品直径(Max. Cylindrical-container Diameter)	Φ100mm
最小产品高度(Min. Container Height)	50mm	最大产品高度(Max. Container Height)	300mm
最大瓶子宽度(Max. Container Width)	120mm	最快印刷速度(Max. Printing Speed)	3000pcs/hr
电源电压(Power Voltage)	380V, 50Hz	单机耗电功率(Single Machine Power Consumption)	7 kw
供气压力(Air Pressure)	5-7 kg/cm ²	机器重量(Weight)	2000kg
外形尺寸(Dimensions)	1100(L) × 2500(W) × 1700(H)mm		

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OS-787CNC 高速全自动伺服丝印及固化生产线

OS-787CNC High Speed Automatic Servo Screen Printing & UV Curing System



优良的印刷设备和
自动化生产线提供商



此机适合以上形状一次性印刷



可根据客户要求定做自动化印刷生产线

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OS-787CNC 高速全自动伺服丝印及固化生产线

OS-787CNC High Speed Automatic Servo Screen Printing & UV Curing System

产品简介

- 1、专为圆形、椭圆形、三角形、正方形、六边形、八边形及异形产品实行一次完成印刷而设计，机构简单合理、调试方便快捷、运行稳定可靠。
- 2、整机集成同步自动上料、全伺服驱动X、Y、Z轴印刷及紫外线固化、也可以选配CCD检测产品等多种功能，大大提高了调试、印刷、检测的效率，从而填补了目前市场急需的高效率多功能全自动丝印机。
- 3、通过触摸屏操作轻松实现人机对话，使操作更加得心应手。
- 4、伺服驱动取代了市场上气动及机械联动的复杂性，使印刷产品更高效更精准。
- 5、通过电子传感器实现“无件不印”、“气压过低”“套色不准”等自动检测功能。
- 6、机器选用的电机、电气元件及控制系统均采用意大利、德国、日本，确保了整机的品质。
- 7、可以选装以下升级版高配置（价格需另购）：
 - 全自动理料及上料系统（可节省大量人工，实现全面自动化）；
 - 美国SIMCO离子风除尘装置（减少生产环境不确定因素）；
 - 意大利产废品检测CCD装置（减去大量人工通过眼睛目测）；
 - 可加装丝印、烫金、转印等装置（更加适合市场多元化的需求）；
- 8、可根据客户对自身产品的特殊要求，专门设计并量身定做个性化设备。

Introduction

1. OS-787 designed or decorate round, oval, triangle, square, hexagon, octagon and special shaped containers by one time.
2. All servo driven X, Y, Z axis printing and UV curing, also available install CCD system to detect reject product and other functions, highly improve efficiency of set up, printing, detection process.
3. World famous PLC and touch screen controlled for well operation.
4. Servo driven instead of current complicate pneumatic and mechanical driven for top efficiency and top precision.
5. Auto detective function for "No Print Without Part", "Low Air Pressure Alarm" and "Inaccuracy Registration" etc.
6. Control system, motor, electronic components original from Italy, Germany, Japan etc.
7. Optional for more automation:
 - Bowl feeder with auto infeed system (Save labor cost);
 - Optical re-registration sensor (Re-registration printing);
 - USA SIMCO anti-static device (Cleaning and neutralizing object surface);
 - Italy CCD system for reject products (More efficiency finished products);
 - Available install hot stamping and heat transfer system (Satisfy different requirements);
8. Design and customize machines according to your special printing needs.

技术参数(Specifications)

最大印刷范围(Max. Printing Size)	(20mm-80mm)x(40mm-200mm)
最快印刷速度(Printing Capacity)	45 PCS/min
UV灯功率(UV Power)	5KW
总功率(Machine Power)	7KW
电力要求(Voltage)	AC380V 50/60Hz
气压要求(Air Pressure)	5-7bar
重量(Weight)	2200KG
机器尺寸(Machine Size)	2700(L)x1300(W)x1900(H)mm

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OS-400/700/1000

丝网印刷机系列

OS-400 (Versatile) / 700 / 1000 Screen Printing Machine Series



优良的印刷设备和
自动化生产线提供商



上图为OS-400机型图



可根据客户要求定做自动化印刷生产线

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OS-400/700/1000

丝网印刷机系列

OS-400 (Versatile) / 700 / 1000 Screen Printing Machine Series

产品简介

- 专为圆形、锥形及弧形承印物之丝印需要而设计，适用于塑胶瓶、化妆品容器及玻璃杯等。
- 所采用的印刷行程、印头、升降工作台等均采用进口气缸，可独立调校速度，并能简易地移动网版作圆形印刷之用。
- 印刷模具的后方有上下齿轮相互吻合，印刷完后能自动旋转回归至原位，因此能胜任多色套印刷之用。

Introduction

- Specially designed for screen printing on round, cone and oval objects, such as plastic bottle, glasses, cosmetic container, etc.
- Cylinders used in printing stroke, head and lifting working platform are all imported, and the speed of each part can be adjusted separately.
- The gears behind the mould can make printed objects back to the original place after printing, so it's also suitable for multi-color printing.

技术参数(Specifications)

	OS-400(全能)	OS-700	OS-1000
承印物形状 (Shape of Printed Object)	圆柱形、椭圆形、锥形 Round, Oval, Cone	圆柱形、椭圆形 Round, Oval	圆柱形 Round
最大印刷面积 (Max. Printing Area)	400(L) x 200(W) (Φ 100) mm	700(L) x 200(W) (Φ 100) mm	1000(L) x 200(W) (Φ 100) mm
最快运行速度 (Max. Running Speed)	20 Cycles/min	16 Cycles/min	13 Cycles/min
电源供应 (Power Supply)	220V, 1Phase, 50Hz		
气压要求 (Air Pressure)	4-6 Bar		
产品尺寸 (Dimension)	835(L) x 880(W) x 1300(H) mm	1130(L) x 880(W) x 1350(H) mm	1650(L) x 1350(W) x 1400(H) mm
整机重量 (Weight)	145Kg	170Kg	280Kg

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OS-S400 无定位伺服丝网印刷机系列
OS-S400 Screen Printing Machine with Servo System



专门针对无定位产品的多次印刷

Specially for multiple printings on objects without fixed position



优良的印刷设备和
自动化生产线提供商



可根据客户要求定做自动化印刷生产线

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OS-S400 无定位伺服丝网印刷机系列
OS-S400 Screen Printing Machine with Servo System

产品简介

- 专为圆形无定位承印物之丝印需要而设计，适用于塑胶瓶、化妆品容器、滤清器及其他各类圆形容器等。
- 所采用的印刷行程、印头、升降工作台等均采用进口气缸，可独立调校速度。
- 印刷模具的后方有上下齿轮相互吻合，印刷完后能自动旋转回归至原位，因此能胜任多色套印之用。
- 通过光纤定位实现对无定位产品的多次精准套色印刷。
- 采用进口伺服电机驱动，确保机器精确工作。
- 操作均采用PLC，并配备精致的触摸屏，实现通俗易懂的模块式操作。

Introduction

- Specially designed for screen printing on round objects without fixed position, such as plastic bottle, glass container, cosmetic container, oil filter or other round products.
- Cylinders used in printing stroke, head and lifting working platform are all imported, and the speed of each part can be adjusted separately.
- The gear behind the mould can make printed objects back to the original place after printing, so it's also suitable for multi-color printing.
- Achieve multiple precise color registers on objects without fixed position through fiber positioning.
- Driven by imported servo motor, and makes sure the machine runs accurately.
- Equipped with world famous PLC controller and touch screen, so that the whole operation becomes easy and convenient.

技术参数(Specifications)

承印物形状(Shape of Printed Object)	圆柱形(Round)
最大印刷面积(Max. Printing Area)	400(L) x 200(W) (φ100) mm
最快运行速度(Max. Running Speed)	40 Cycles/min
电源供应(Power Supply)	220V, 1Phase, 50Hz
气压要求(Air Pressure)	4-6 Bar
产品尺寸(Dimension)	835(L) x 880(W) x 1300(H) mm
整机重量(Weight)	200Kg

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OS-S400T 无定位伺服丝网印刷机
OS-S400T Servo Registration Screen Printing Machine



专门针对**无定位产品**的**多次印刷**

Specially for multiple printings on objects without fixed position



安色机械 优良的印刷设备和
自动化生产线提供商



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OS-S400T 无定位伺服丝网印刷机
OS-S400T Servo Registration Screen Printing Machine

产品简介

- 专为圆形无定位承印物之丝印需要而设计，适用于塑胶瓶、化妆品容器、滤清器及其他各类圆形容器等。
- 所采用的印刷行程、印头、升降工作台等均采用进口气缸，可独立调校速度。
- 通过光纤定位实现对无定位产品的多次精准套色印刷。
- 采用进口伺服电机驱动。
- 操作均采用PLC，并配备精致的触摸屏，实现通俗易懂的模块式操作。
- 机器采用网版上下，一改以往工作台上下缺点，从而保证了套色精准，更方便了广大操作者。

Introduction

- Specially designed for screen printing on round objects without fixed position, such as plastic bottle, glass container, cosmetic container, oil filter or other round products.
- Cylinders used in printing stroke, head and lifting working platform are all imported, and the speed of each part can be adjusted separately.
- Achieve multiple precise color registers on objects without fixed position through fiber positioning.
- Driven by imported servo motor.
- Equipped with world famous PLC controller and touch screen, so that the whole operation becomes easy and convenient.
- With feature of screen frame goes up and down, instead of worktable goes up and down, ensure registration accuracy and more convenient for operator.

技术参数(Specifications)

承印物形状(Shape of Printed Object)	圆柱形(Round)
最大印刷面积(Max. Printing Area)	400(L) x 200(W) (φ100) mm
最快运行速度(Max. Running Speed)	40 Cycles/min
电源供应(Power Supply)	220V, 1Phase, 50Hz
气压要求(Air Pressure)	4-6 Bar
产品尺寸(Dimension)	835(L) x 880(W) x 1300(H) mm
整机重量(Weight)	200Kg



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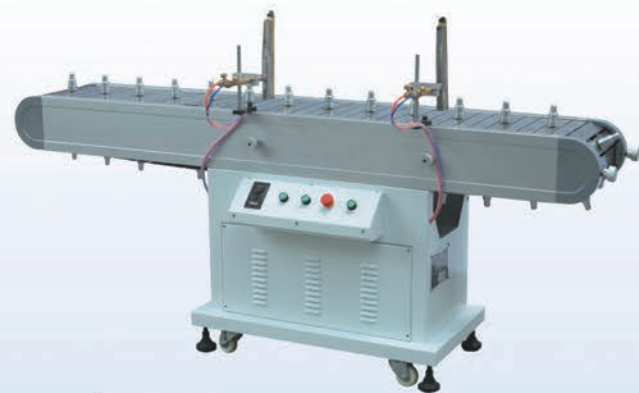
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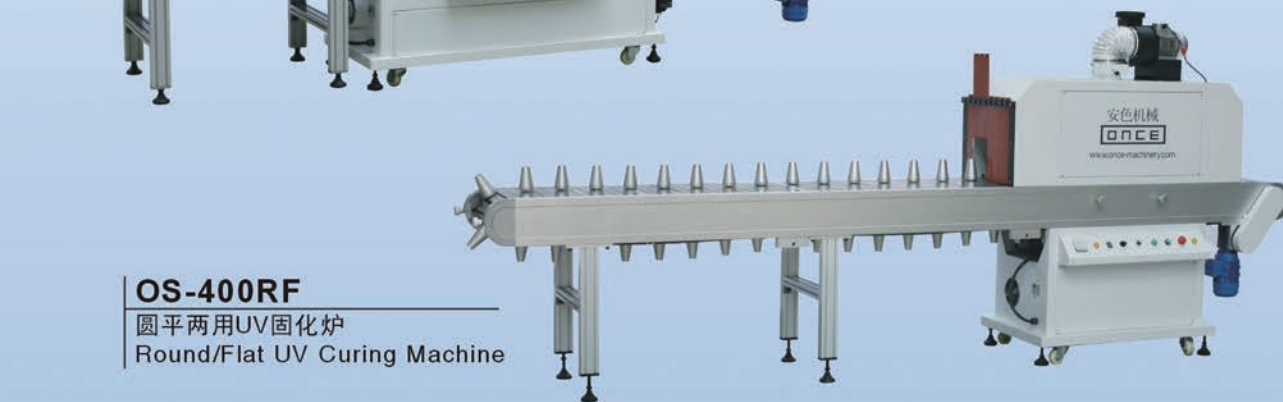
OS-220
火焰表面处理机
Flame Treating Machine



OS-300RF
圆平两用UV固化炉
Round/flat UV Curing Machine



OS-400F
平面固化炉(2套UV系统)
Flat UV Curing Machine



OS-400RF
圆平两用UV固化炉
Round/Flat UV Curing Machine



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产品简介

- OS-220** 是一款专为各种圆形或扁形塑料 (PP或PE) 容器及其它塑料制品而设计的表面火焰处理机, 机器采用连续传动并配备2把独立控制的喷火枪高效处理产品, 同时采用进口电器控制和优质材料加工的机器运行平稳且使用寿命更长。
- OS-300RF** 是一款专为各种圆形或扁形塑料容器及其它塑料制品而设计的UV固化炉, 可配备2台丝印机使用, 独特的挡光结构设计大大减少紫外线对人体的辐射, 可调节的灯光强度和进口美国灯管保证了稳定的固化效果。
- OS-400F** 是一款针对客户平面产品订做的UV固化炉, 可配备4-6台丝印机使用, 合理利用能源, 使客户降低不必要的浪费, 此机独特的遮光结构大大减少紫外线对人体的伤害, 灯光强度可调节, 此机采用美国UV系统及美国原装灯管, 保证了稳定的固化效果及工作寿命。
- OS-400RF** 是一款针对客户圆形大工件产品面订做的UV固化炉, 可配备4-6台丝印机使用, 合理利用能源, 使客户降低不必要的浪费, 此机独特的遮光结构大大减少紫外线对人体的伤害, 灯光强度可调节, 此机采用美国UV系统及美国原装灯管, 保证了稳定的固化效果及工作寿命。

Introduction

- OS-220** has been designed for the flame-treating of cylindrical and elliptical plastic containers (PP/PE). The continuous conveyor and two independent-controlled flame hardener units have been employed, so the treatment is efficient. In addition, the movement of the machine is stable because the imported electrical control and advanced materials are used.
- OS-300RF** has been designed for the UV curing of cylindrical or elliptical plastic containers. It can be used with two screen printing machines. The unique light-avoiding device help decrease the harm from the UV-light. In addition, the American lamp has ensured the curing efficiency.
- OS-400F** has been designed for the UV curing of flat products. It can be used with 4-6 sets screen printing machines. The unique light-avoiding device help decrease the harm from the UV-light. In addition, the American lamp has ensured the curing efficiency.
- OS-400RF** has been designed for the UV curing of cylindrical or elliptical plastic containers. It can be used with 4-6 sets screen printing machines. The unique light-avoiding device help decrease the harm from the UV-light. In addition, the American lamp has ensured the curing efficiency.

	技术参数(Specifications)
OS-220	瓶口直径(Bottle-mouth diameter): $\Phi 10-\Phi 30\text{mm}$ 最快处理速度(Max. printing speed): 3000pcs/hr 电源电压(Power voltage): 220V 50Hz 供气压力(Air pressure): 4-6 kg/cm ² 机器重量(Weight): 150KG 外形尺寸(Dimensions): L2000 x W600 x H1200mm
OS-300RF	电源电压(Power voltage): 380V 50Hz 耗电功率(Power consumption): 5KW 瓶口直径(Bottle-mouth diameter): $\Phi 10-\Phi 30\text{mm}$ 机器重量(Weight): 200KG 外形尺寸(Dimensions): L2000 x W700 x H1750mm
OS-400F	电源电压(Power voltage): 380V 50Hz 耗电功率(Power consumption): 2.4KW X2 产品尺寸(Product Dimension): 400-600mm 机器重量(Weight): 400KG 外形尺寸(Dimensions): L4000 x W700 x H1750mm
OS-400RF	电源电压(Power voltage): 380V 50Hz 耗电功率(Power consumption): 5KW 瓶口直径(Bottle-mouth diameter): $\Phi 10-60\text{mm}$ 机器重量(Weight): 450KG 外形尺寸(Dimensions): L4000 x W700 x H1750mm

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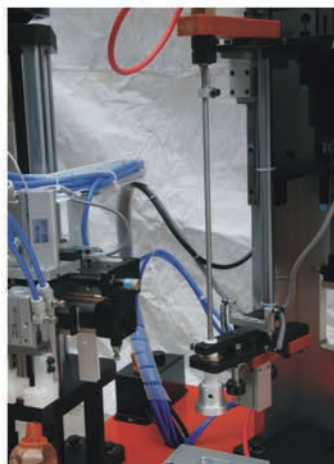
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OS-R4 高压静电测漏机

OS-R4 High-voltage Electrostatic Leaking Tester



优良的印刷设备和
自动化生产线提供商



高压静电测漏
Leaking Testing



出料机械手
Unloading Manipulator



出料输送带
Unloading Conveyor



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OS-R4 高压静电测漏机

OS-R4 High-voltage Electrostatic Leaking Tester

产品简介

- 本机型专门用于圆、扁瓶注塑口的漏气检测(产品的材料应为绝缘材料), 适用于洗涤用品、化妆品、药品、食品等多个领域。
- 配备“待测产品”是否置入“工位”检测功能, 使设备对制品的检测功能更完善, 确保准确快速判别出良品或不良品。
- 输送带出料速度采用无极调速, 能配合不同容器测漏时间变化的需求。
- 采用PLC控制并配备触摸式操作屏, 测漏参数的选择和修改更便捷, 实现通俗易懂的模块式操作。

Introduction

- Specially designed for air leakage testing of injection port of bottles(bottle material should be insulating), widely used in cosmetics, cleaning products, medical industry, food and other fields.
- Having testing function to test if the bottle is in the right position, can distinguish defective products quickly and accurately.
- Unloading conveyor with stepless speed regulation can make the machine meet requirements of different container and testing time.
- Equipped with world famous PLC controller and touch screen, so that the whole operation becomes much more easy and convenient.

技术参数(Specifications)

可检测产品形状(Shape of Tested Object)	圆形 & 扁形(Cylinder & Oval)
最大可检测产品高度(Max. Height of Tested Bottle)	300mm
最小可检测产品高度(Min. Height of Tested Bottle)	30mm
最大可检测产品外径(Max. Outside Dia. of Tested Bottle)	Φ100mm
最小可检测瓶口内径(Min. Inside Dia. of Tested Bottleneck)	Φ8mm
最快运行速度(Max. Running Speed)	1500 Pcs/min
电源供应(Power Supply)	AC220V 2Phase 50Hz
总功率(Total Power)	0.6KW
气压要求(Air Pressure)	5~7Kg/cm ²
产品尺寸(Dimension)	1200(L)x1000(W)x1900(H) mm
整机重量(Weight)	380Kg



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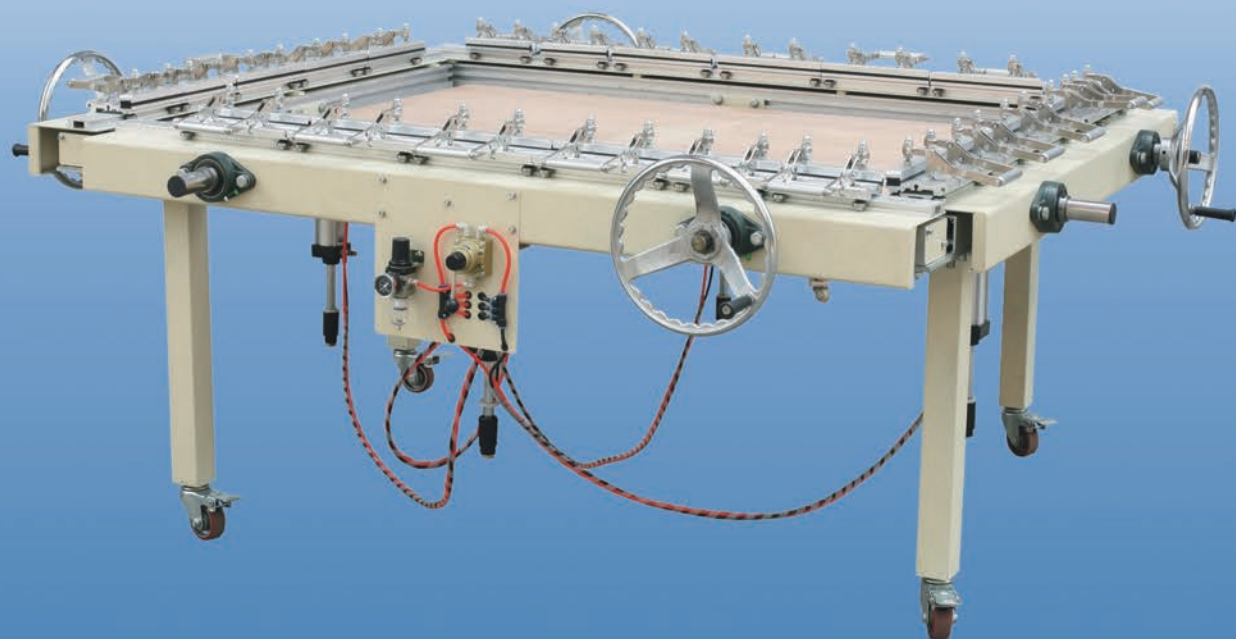
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OS-1500手轮式机械拉网机

OS-1500 Manual Screen Stretching Machine



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自动化生产线提供商



最大拉网面积: 1500 x 1500 mm
Max. Stretching Area: 1500 x 1500 mm



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OS-1200晒版机

OS-1200 Screen Exposure Machine



优良的印刷设备和
自动化生产线提供商



晒版尺寸: 1200 x 900 mm
Exposure Size: 1200 x 900 mm

灯管功率: 2-3kw
Lamp Power: 2-3kw

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