



承印物
Printing Object

丝印系统
Screen Printing System

上料系统
Feeding System

下料机械手
Unloading Manipulator



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

- 适用于圆柱形、四方形、椭圆形、三角形等多种形状瓶子的表面丝印（化妆品、酒瓶、饮料瓶、及通用性容器），适用于UV及溶剂性油墨印刷
- 采用高精分割器，全伺服传动系统，印刷速度快质量稳定可靠，调试方便快捷，适用性更广
- 10寸WEINVIEW触摸屏（网络型），日本OMRON运动控制器，主传动由意大利SITI减速机配电机搭配OMRON变频器控制
- 滚珠丝杆与导轨均采用国际著名品牌，精度更高，寿命更长。采用LED电子UV系统（节能环保）布置更合理，操作更简便更安全
- UV光固也采用伺服驱动，光固时间可以根据产品印刷的要求任意设定，大大增加了油墨的附着力
- 此机可以实现三角形、四方形、椭圆形等多边形同一颜色一次印完。火焰处理采用伺服驱动，可以实现转速任意调节
- 通过激光传感器或CCD视觉进行瓶口或图案定位点检测，实现多色套印和图案基于产品表面位置的精准控制
- 选用6工位，大大降低换款后的成本投入，从而为客户节省相应的费用。换款调试简单，无需齿轮，从而避免齿轮齿条的磨损后的套色不准，也大大节省了调机时间
- 也可配置CCD印后检查系统，以及以后增配预留了空间，主要结构设计更合理，比国内现有机器做出重大优化，能实现稳定高效生产

Introduction

- Suitable for surface screen printing of various shapes' bottles such as cylinder, square, oval, triangle, etc.(cosmetics, wine bottles, beverage bottles, and general-purpose containers); suitable for UV and solvent ink printing
- Adopt high-precision index, full servo drive system, fast printing speed, stable and reliable quality, convenient and quick debugging, and wider applicability
- 10 inch WEINVIEW touch screen (network type), Japan OMRON motion controller. The main drive is controlled by Italian SITI reducer with motor and OMRON inverter
- The product loading and unloading mechanism is driven by 2 sets of OMRON servo motors to run more smoothly and accurately
- The ball screw and guide rail adopt international famous brands, which have higher precision and longer life.
- The use of LED electronic UV system (energy saving and environmental protection) is more reasonable, and the operation of employees is easier and safer
- UV curing is also servo-driven, and the curing time can be set arbitrarily according to the requirements of product printing, which greatly increases the adhesion of the ink
- It has an independent vacuum system, and the anti-wear products can be manufactured by vacuum suction, which greatly prevents wear during the production process, and ensures that the independent vacuum makes the printing quality more stable.
- It can print triangles, squares, ellipses and other polygons in the same color at one time. The flame treatment adopts servo drive, which can realize the arbitrary adjustment of the speed
- It uses laser sensor or CCD vision to detect the bottle mouth or pattern positioning point to realize multi-color overprinting and precise control of patterns based on the position of the product surface
- It is easy to change and debug, without gears, so as to avoid inaccurate color registration after the gear and rack wear, and greatly save the adjustment time
- It uses 6 stations, which greatly reduces the cost input after the change, so as to save the corresponding cost for the customer
- CCD post-print inspection system can also be configured, and space reserved for future additions. Robot Hand Discharging Mechanical Arm can be customized
- The main structure design is more reasonable, and it has made major optimizations than the existing domestic machines, and can achieve stable and efficient production

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)	圆柱形、四方形、椭圆形、三角形等多种形状瓶子Cylindrical, Flat, Oval, Triangle
印刷产品尺寸 (Printed Object Dimension)	Φ80mm, L 230mm
最快速度 (Max. speed)	3000pcs/hr
供气压力 (Air pressure)	5-6Bar
UV灯功率 (UV Lamp Power)	20Kw
电源 (Power Supply)	AC 380V 3Phase 50Hz
外形尺寸 (Dimension)	4300(L)X4100(W)X2600(H)mm
重量 (Weight)	3000kg

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