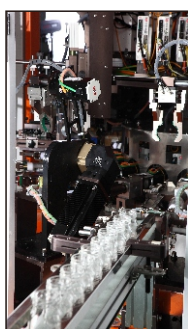
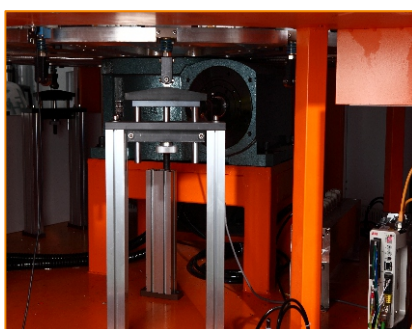


丝印系统  
Screen Printing System



上料系统  
Feeding System



进口知名分割器  
Imported Branded Indexer



下料机械手 (定制)  
Unloading Manipulator(customized)



**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!

# 安色机械®

## ONCE

# HY-CNC416 全自动全伺服四色丝印机及UV固化生产线

## HY-CNC416 Four Colors Automatic Servo Screen Printing and UV Curing Production Line

### 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
- 采用高精密切割器，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
- 转盘运行由12等份德士分割器驱动
- 印刷机构二轴为OMRON伺服电机配合滚珠丝杆，一共4组
- 16轴管位座由OMRON绝对值伺服电机控制运行
- 主传动由意大利SITI减速机配电机搭配OMRON变频器控制
- 产品上下料机构由2组OMRON伺服电机驱动运行更平稳准确
- 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
- 具有独立真空系统，对防磨化产品可以采用吸真空制造，大大防止产品生产过程产生磨化，保证独立的真空使印刷品质更稳定
- 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检测，实现多色套印和图案基于产品表面位置的精准控制
- 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
- 选用16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
- 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 turntable is driven by a 12-part Dex index
- The second axis of the printing mechanism is OMRON servo motor with ball screw, a total of 4 groups
- The 16-axis tube holder is controlled and operated by OMRON absolute servo motor
- 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 16 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

### 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
最大印刷范围 ( Max. Printing Area )	Φ 80mm, L 230mm
最快速度 ( Max. Speed )	3000pcs/hr
印刷精度 ( Printing Accuracy )	+/-0.2mm
供气压力 ( Air Pressure )	5-6kpa
功率 ( Power )	25kw
电源 ( Power Supply )	AC 380V 3Phase 50Hz
外形尺寸 ( Machine Dimension )	4800(L)X2600(W)X2700(H)mm
重量 ( Machine Weight )	5000kg

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