

自动送料激光切割机 (大幅面视觉识别+收料台)

Automatic Feeding Laser Cutting Machine (Large-Format Vision Recognition + Auto Receiving Table)

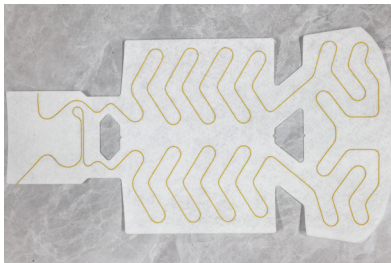


应用领域

适用于柔性面料数码印花定位裁切，蕾丝面料自动对花型定位裁切，加热片加热丝定位裁切等。

Application

Designed for precise, high efficiency cutting of flexible materials such as digitally printed fabrics, lace with pattern alignment and shaping cutting, and heating elements with positioning requirement.



性能特点

- 视觉系统通过高像素工业相机实时自动识别图案外轮廓并精准切割，有效解决了弹性印花面料的图案切割变形问题。
- 支持建立模板特征点匹配、外轮廓自动识别、MARK点定位等多种视觉定位功能，根据不同的图案选择最佳的视觉定位方式。
- 配备全自动送料机，与网带式工作平台配合使用。支持自动对边，布料拉力控制，确保布料平稳输送，自动化程度高。
- 支持普通切割和视觉定位切割两种工作模式。
- 配备独立收料台，收料和加工可同时进行，提高生产效率。

Features

- Advanced vision system with high-resolution industrial camera captures real-time images of material patterns. Accurately detects outer contours to perform precise cuts, resolving issues such as distortion in printed or stretch fabrics.
- Supports multiple visual positioning methods including: Template anchor point matching; Automatic outer contour detection; MARK point recognition. Choose the most suitable positioning mode for different pattern types to optimize cutting accuracy and efficiency.
- Equipped with a synchronized automatic feeding unit and conveyor belt work platform. Supports edge alignment and tension control to ensure smooth, wrinkle-free material feeding. Highly automated, ideal for continuous production.
- Easily switch between standard cutting mode and vision-guided cutting mode to suit different production needs.
- Integrated with a dedicated material receiving table. Enables simultaneous cutting and collecting, improving overall workflow and production efficiency.

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常规型号 Models

型号 Model	系列 Series	工作面积 Working Area	机器尺寸 Machine Size (L×W×H)
GOA-LC	N	1300mm×1000mm	4300×2000×2400mm(含自动送料机和收料台) (with automatic feeding unit & material receiving table)
GOA-LC	N	1600mm×1000mm	4300×2300×2400mm(含自动送料机和收料台) (with automatic feeding unit & material receiving table)
GOA-LC	N	1800mm×1000mm	4300×2500×2400mm(含自动送料机和收料台) (with automatic feeding unit & material receiving table)
GOA-LC	N	1800mm×1200mm	4700×2500×2400mm(含自动送料机和收料台) (with automatic feeding unit & material receiving table)

参数说明 Parameters

最大工作速度: Max. Working Speed:	1000mm/s	激光功率: Laser Power:	60W/80W/100W/130W/150W
冷却方式: Cooling Method:	水冷却 Water cooling	供电电源: Power Supply:	AC220V/110V±10%, 50Hz
激光类型: Laser Type:	国产封离式CO ₂ 玻璃激光管 China Made sealed CO ₂ glass laser tube		
标配: Standard Configuration:	激光专用冷水机, 550W排烟机, 微型空气压缩机, 工业相机 Laser-specific chiller, 550W exhaust fan, and Mini air compressor, High-Precision Industrial Camera.		
工作环境: Operating Environment:	室内使用, 保持空气流通。环境温度 5~35℃, 相对湿度 30%~75%, 无凝露 Indoor use, maintain air circulation. Ambient temperature 5~35℃, relative humidity 30%~75%, No condensation.		

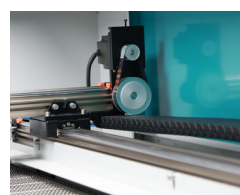
主要配置 Machine Configuration



国产一线品牌激光管, 质量稳定, 工作时间长。
China made top-tier brand Laser Tube with stable quality and long service life.



两种规格形式的不锈钢金属网带。
Available in two specifications of stainless steel metal mesh conveyor belts.



高精度直线导轨。
High-precision linear guide rails.



激光切割机专用工业冷水机, 具有超温报警, 流量保护, 水位保护等安全报警提示功能。温度控制精准, 确保激光器的功率输出稳定。

Dedicated industrial chiller for laser cutting machines featuring over-temperature alarm, flow protection, and water level warning functions. Precise temperature control guarantees stable laser power output.



【选配】自动送料机

【Optional】Automatic Feeding Machine.

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