



RZCUT6-3616E-2H

瑞洲数控皮革切割机

RUIZHOU CNC LEATHER CUTTING MACHINE



分等级自动排版
Grade nesting



避开瑕疵自动排版
Defect nesting



配对配色自动排版
Matching nesting



吃料排版
Overlap nesting



瑞洲数控皮革切割系统可依据企业生产流程开发定制,以实现信息化、数字化、智能化切割流程为主要目的个性化系统。瑞洲数控皮革切割系统划分为三大区域,包括真皮识别扫描区、切割区及收料分检区,自动联动输送,形成一个高效、标准化切割工艺生产模式。为企业提高效率、节约成本,实现高速稳定切割生产。真正实现前后端“数据化、信息化”,改变传统生产模式,助力企业实现智能工厂转型升级。

RUIZHOU CNC leather cutting system can be developed and customized to match with factory production process, aiming to the main target of informatization, digital and intelligent cutting. It can be divided into three sections: leather inspection and scanning section, leather cutting section and sorting section. All sections are linked and well connected, building an efficient and standardized production mode, saving costs for the enterprises. This solution can change the traditional way of production and help companies realize the transformation and upgrading of smart factories.

配置信息

CONFIG INFO

元器件名称 Component name	规格型号说明 Specification
工业计算机 Industrial computer	研华/联想 Advantech/Lenovo
信号线 Signal line	易格斯 Iigus
导轨滑块 Guide block	TBI/上银 TBI/ Shanghai Silver
运动控制主板 Motion control motherboard	瑞洲/周高 Rui Zhou/Zhou high
真空泵 Vacuum pump	松达/格凌 Sonda/Gring
垫板 Backing plate	纤维垫板 Fiber plate
气动元件 Pneumatic element	亚德客 Airtac
伺服电机 Servo motor	松下 Panasonic
伺服驱动器 Servo driver	松下 Panasonic
交流接触器 Ac contactor	施耐德 Schneider
开关电源 Switching power supply	明纬 Mingwei
断路器 Circuit breaker	施耐德 Schneider
变频器 Frequency changer	施耐德 Schneider

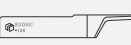
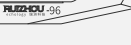
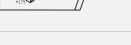
产品参数

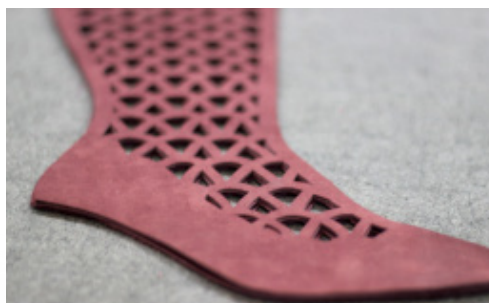
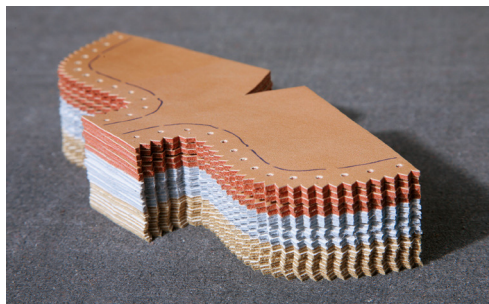
PRODUCT PARAMETER

切割尺寸 Effective working area	机器尺寸 Machine dimension	机器重量 Machine weight	切割厚度 Cutting thickness	主机工作电压/频率 Machine working voltage /Frequency	气泵工作电压/频率 Vacuum pump working voltage /Frequency	气泵功率 Vacuum pump power
3600mm*1600mm	4860mm*2210mm	≈1600KG	0.1-6mm	220V / 50HZ	380V / 50HZ	15kW

规则材料部件

REGULAR MATERIAL COMPONENT

材料类型 Type	硬度 Hardness	单层材料厚度 (mm) Material Thickness	建议层数 (mm) Suggested Layer	刀片型号 Blade Type	材料模型 Patterns	切割速度 Cutting Speed
TPU	适中 Medium	0.4mm-0.6mm	LD≤4			15mm/ s-25mm/s
网布面料 Mesh	柔软 Soft	1.2mm-2.5mm	LD≤4			15mm/ s-25mm/s
单层人造革 Single-layer Artificial Leather	适中 Medium	0.5mm-1.5mm	LD≤6			35mm/ s-50mm/s
中底布/板 Insole Cloth/Board	高硬度 Hard	0.8mm-2mm	LD≤2			15mm/ s-25mm/s
热熔胶片 Hot Melt Film	适中 Medium	0.4mm-0.6mm	LD≤4			20mm/ s-40mm/s



产品特点

PRODUCT CHARACTERISTICS

- 通过投影仪投射切割图形影像，可实时体现图形的排版位置，排版高效快速，省时、省力、省材料。
- 可用于真皮及其他多种柔性材料的切割。广泛应用于制鞋行业、服装行业、箱包行业、装饰行业等。
- 满足少批量，多订单、多款式的生产目标。
- 可编程的多轴运动控制器，稳定性和操作性达到国内外领先水平。切割机传动系统采用进口直线导轨、齿条、同步带，切割精度完全达到往返原点零误差。
- The auto nesting effect is time, labor and materials saving, and visible on the leather through the projector system.
- It has been widely used in the cutting of soft materials such a clothing, luggage, footwear, decoration, etc.It meets the product target of small-batch production, Various order and pattern.
- With programmable multi-axis linkage controller, the stability operability reaches an advanced level domestic and abroad.
- The gearing system of the cutting machine uses imported linear guide, gear rack and synchronous belt. The cutting accuracy reaches zero error in to and from origin point.

产能评估

CAPACITY EVALUATION

款式 Model	片/双 Pcs/ pairs	日产量 Daily capacity
女鞋 Lady shoes	8片/双 8pcs/pairs	1200-1400X/10小时 1200-1400pairs/10h
女凉鞋 Sandal	6片/双 6pcs/pairs	1500-1800X/10小时 1500-1800pairs/10h
女靴 Women's boots	14片/双 14pcs/pairs	800-1000X/10小时 800-1000pairs/10h
男鞋 Men's shoes	10片/双 10pcs/pairs	1000-1200X/10小时 1000-1200pairs/10h
休闲鞋 Casual shoes	16片/双 16pcs/pairs	700-900X/10小时 700-900pairs/10h
登山鞋 Hiking boots	18片/双 18pcs/pairs	600-800X/10小时 600-800pairs/10h
童鞋 Children shoes	20片/双 20pcs/pairs	600-800X/10小时 600-800pairs/10h



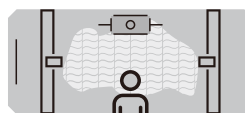
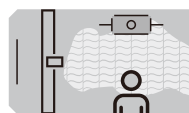
智能扫描
Intelligent scanning



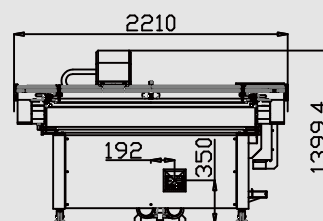
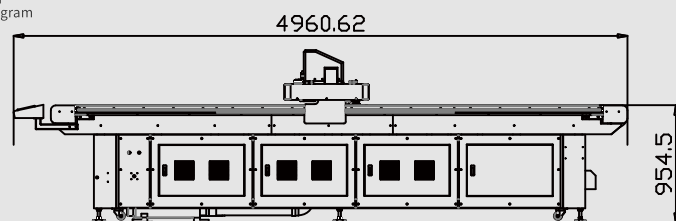
智能排版
Intelligent typesetting



智能切割
Intelligent cutting



结构示意图
Structure diagram



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