



时尚手袋

智能裁切解决方案

Fashion handbag

Overall smart cutting solutions



- 市场变化快, 要求企业能快速反应
- 刀模裁断效率低, 刀模的保管成本高
- 利润受少量多样订单制约, 空间越来越小
- 人手排版效率低, 利用率不理想, 利润进一步流失
- 传统工艺品质不良率高, 复裁次数多, 物耗成本高
- 熟手工人难招, 新工人培训时间长, 不可控因素多
- 传统生产模式工序多, 分工散, 各环节拖沓互相影响导致作业流程不顺畅
- 依赖人工统计, 数据收集滞后, 效率低, 易出错

- The market demands changed rapidly required company react quickly.
- Die cut molds cutting result is not good, storage cost high
- The profit was affected by diversified order
- Manual nesting low efficiency, utilization ratio is not good enough, profit loss .
- The traditional working methods makes a lot unqualified products. Have to recut and waste a lot of material.
- Skillful worker shortage, long training time for new workers, many uncontrollable factors.
- Too much procedures in traditional production mode, disperse division, the efficiency was affected.
- Data collection not real time, low efficiency.



智能裁切解决方案 Smart cutting solutions

方案介绍 | Introduction of solution

本方案包含CAD转档, 规则材料智能排版及裁切全部工序, 常规配置可选两台智能裁切机(最大配置四台), 本机型可以裁切各种手袋类时尚面料/辅料(人造革、里布、复合材料、网布、TPU等)。

This Solution include the whole process from CAD conversion, synthetic material auto-nesting to smart cutting. Normally 2 sets of smart cutting machine working as a combination (Optimal 4 sets). Suitable for various soft material in rolls/accessories (Artificial leather, lining, mesh, TPU etc).

优势: 本机型占地面积小, 能耗低, 是时尚皮具厂投资的主流选择。

Advantages: Taking less space, low energy consumption, mainstream option of fashion handbag factory investment.

机型介绍 | Models



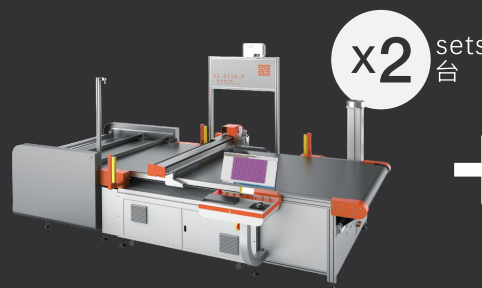
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格式转换软件
Format conversion software



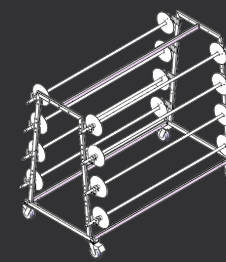
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规则材料自动混合排版软件
Auto-Nesting software



S1-4716-P

智能裁切机
Smart cutting machine



8层送料架
Rack for 8 rolls



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优势: 本方案比方案A的裁切机型, 裁切区增加至1560X1560mm, 能有效裁切某些定向纹路的长肩带, 是时尚皮具厂投资的备选。

Advantages: Larger cutting area 1560X1560mm compared with solution A. More effective to cut long straps, a good choice for fashion leatherware factory.

机型介绍 | Models



DT-2008(V2020)

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Format conversion software



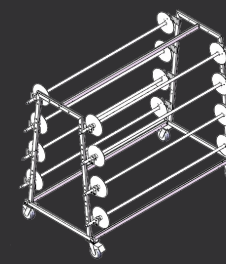
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规则材料自动混合排版软件
Auto-Nesting software



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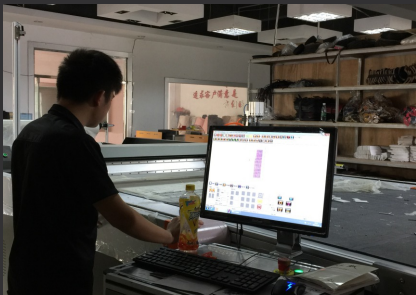
智能裁切机
Smart cutting machine



8层送料架
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获得好处 | Advantages

- | | | |
|--|----|---|
| 节省80%刀模, 节省刀模管理人员及场地。 | 1 | 80% saving die cut molds, save die cut molds space and management cost |
| 节省50%熟练裁断工, 新人培养易。 | 2 | Save 50% skillful worker, easier to train new worker. |
| 无论大小订单, 均能快速应对。 | 3 | Quick reaction no matter how order quantity. |
| 高品质裁片, 能做高难度工艺。 | 4 | High quality cutting, high challenge technology |
| 数字化材料管理, 先电脑排版, 再采购材料,
物耗、成本、库存可以严格控制。 | 5 | Digitizing management, auto nesting, purchasing material,
material consumption, cost storage can be controlled accurately. |
| 裁切、冲孔、划线, 多工合一, 减省流程, 提高效率。 | 6 | Cutting, punching, marking, all-in-one, reduce procedure, improve efficiency. |
| 减少复裁率, 提高品质及减少物耗。 | 7 | Reduce frequency of recut, improve quality and reduce waste of material. |
| 形成统一标准, 实现高效多地生产。 | 8 | Uniform standard, higher efficient production. |
| 提升企业形象及综合竞争力。 | 9 | Improve company image and comprehensive competition. |
| 多台机应用, 可安装“智能裁切大数据分析系统”,
汇总数据, 与企业内ERP/MES系统无缝对接。 | 10 | Multiple machines, install smart cutting big data analysis system,
data report, integrate with company ERP/MES. |



集中裁切解决真皮裁切的招工难题。
Target fashion handbag production labor shortage

客户简介 Company introduction

本案例是一家国际快时尚品牌皮具手袋代工厂，以PU、超纤、织物布类为主要材料，人数超过1000人，分布在两个国家共三个厂区。

The company in this case is worldwide fast fashion leather ware and handbag brand OEM factory, has more than 1,000 employees, 3 factories located in 2 countries.



面临挑战

随着快时尚品牌商的业绩创新高，同时集团布局东南亚国家建设新厂，面对需要迅速交货的少量多样的订单，传统的刀模裁断生产方式，既浪费时间，而熟练裁断工人的严重短缺及难以短期培训也同时成为制约产能及交期的最大挑战。

Their challenges

With the business growth of brand company, the OEM company planning to build new factory in southeast Asia, facing with increasing orders of small quantity and multi styles, traditional cutting reaction is too slow to meet market requests, meanwhile, the shortage of skillful employee and limitation of training time has become the largest challenge of productivity.

投资规模

每个厂区内投资2台智能裁切机型，建设智能裁切中心，集中裁切厂区内所有800个以内的小订单及交期迅速的订单，满足厂区内所有产线的小订单/快订单的裁切生产需求（此部门为独立车间，将根据生产需要安排24小时运营）。

Investment mode

2 sets smart cutting machines for leather, built in smart cutting center, cutting quantity within 800 pcs and urgent orders intensively, meet all of the production lines' small order/emergent order requirement (This department should be independent workshop, 24-hours operation available based on production situation)

效益分析

- 节省80%以上小订单的刀模支出。
- 平均节省材料3-6%（视款式组合而定，如果采用皮带、手袋、票夹等款色同材混排，可节省材料6-10%），时尚面料价值较高，本项节省较为可观。
- 生产力约为人工裁断的2-3倍（视款式而定，平均值为2.5倍），以2个厂4台机，24小时运作的投入计，最多可节省12个熟练裁断工人。
- 品质/效率/物控达到预期的理想效果，生产数据与企业ERP无缝对接，材料先排版再领料出仓，实现材料到裁切的全程数字化管理。
- 投资回收期：18-30个月（视企业内实际情况及评估方式而定）。

Investment returns analysis

- Saving more than 80% of small quantity order die molds cost.
- Saving material 3-6% (Depend on different styles, if do nesting based on same materials by different styles and colors in belt, handbag and wallet, 6-10% materials can be saved.) Due to the high value of fashion materials, substantial cost can be saved in mass production.
- Productivity is 2-3 times of traditional die cut machine (Depend on styles, average 2.5 times) Take 4 machines if works 24 hours to calculate, save 12 skillful workers maximumly
- Ideal in Cutting quality /efficiency/material control, integrate EMMA smart cutting system with ERP. Realtime date control from leather arriving to cutting.
- Investment return period: 18-30 months (Accurate time is depended on each company's actual situation)