



运动内衣  
智能裁切解决方案

Sports underwear  
Overall smart cutting solutions



- 市场变化快, 要求企业能快速反应
- 大量客制化的少量订单
- 新工艺, 新材料特殊, 传统工艺裁断无法达到精度
- 刀模裁断效率低, 刀模的保管成本高
- 品种多样化, 订单的复杂化, 刀模配套复杂而且周期长
- 人手排版效率低, 重复劳动, 且利用率不理想, 利润进一步流失
- 熟手工人难招, 新工人培训时间长, 不可控因素多
- 流行趋势是多物料混搭, 传统生产模式工序多, 分工散, 各物料裁断配套环节拖沓, 互相影响导致作业流程不顺畅, 效率低下

- The market demands changed rapidly required company react quickly.
- More and more small customized order
- New technology, new material, traditional mode could not meet the high precise request
- Die cut molds cutting result is not good, storage cost high
- The profit was affected by diversified order, die cut molds complexity and long lead time,
- Manual nesting low efficiency, rehandling, utilization ratio is not good enough, profit loss .
- Skillful worker shortage, long training time for new workers, many uncontrollable factors.
- Combination of multiple material is the trend, too much procedures in traditional production mode, disperse division, the efficiency was affected.

## 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, 智能排版及裁切全部工序, 常规配置可选4台智能裁切机, 本机型可以裁切各运动内衣面料及辅料(复合材料、里布、网布、人造革、TPU等)。

This Solution include a whole process from CAD conversion, auto nesting to smart cutting. Normally 4 sets of smart cutting machines working as a combination. Suitable for various soft materials in rolls/accessories for sports underwear industry(Composite material, lining, Artificial leather,mesh, TPU etc.

优势: 裁切精细, 投资首选。

Advantages: Precise cutting, optimal choice.

### 机型介绍 | Models

**DT**

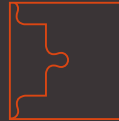


**DT-2008(V2020)**

格式转换软件  
Format conversion software

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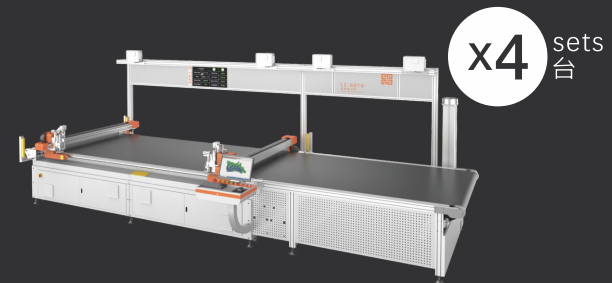
**DN**



**DN-2018-TC**

规则材料自动混合排版软件  
Auto-Nesting software

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**L2-6018**

智能裁切机  
Smart cutting machine

## 获得好处 | Advantages

- 100%节省刀模, 节省刀模管理人员及场地 **1** 100% 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.
- 能做高难度工艺, 针对特殊材料, 能裁切出传统裁断工艺无法裁的高品质裁片 **4** High quality cutting, high challenge technology
- 数字化材料管理, 有效掌控耗量, 提升5-8%辅助材料利用率 **5** Material digitizing management, control leather quantity & quality, improve 5-8% synthetic material utilization.
- 裁切、冲孔、划线, 多工合一, 并实现多物料裁切, 减省流程, 提高效率 **6** Cutting, punching, marking, all-in-one, reduce procedure, improve efficiency.
- 提升企业形象及综合竞争力 **7** Improve company image and comprehensive competition.



## 客户简介 Company introduction

客户创建于1985年, 香港上市公司, 现拥有员工超过两万人, 拥有德国和日本进口的先进定型机和车缝机数千台, 并在业内率先引进了3-D CAD/CAM系统用于产品设计与研发。企业的月平均产量领先同行业, 已经成为世界上最大的内衣生产厂家之一。

The company was founded in 1985, listed company in Hong Kong. Has more than twenty thousand employees, Germany and Japanese setting machine and sewing machine thousands sets, the first used 3D,CAD/CAM system in product development and design in the industry. One of the biggest underwear company in the world.

### 面临挑战

面对越来越多的客制化订单, 上千个产品品种, 品种多样化, 订单的复杂化, 刀模配套复杂而且周期长, 不适合市场快速反应的生产需要; 另为了应对陆续出现的熟练生产裁断工人的短缺现象而考虑使用自动化设备取代。

### Their challenges

More and more customized orders, thousands of models, complicate die cut molds and long delivery time could not meet market quick reaction request; Moreover, skillful worker shortage is also important reason to consider smart cutting device.

### 投资规模

引进生产自动排刀系统软件, 引进双刀头流水线式智能裁切系统设备多套 (根据企业生产及工艺需要持续添加)

### Investment mode

Introduce auto nesting software, double heads smart cutting machines (Quantity based on production and technology demands)

## 效益分析

- 刀模节省100%, 一年的刀模费用在8-12万左右之间
- 人工节省30%
- 材料节省5-8%每年, 材料上每年能节省20-30万元(人民币)
- 投资回报率:12-18个月左右

## Investment returns analysis

- 100% saving die cut molds, save die cut molds cost around 80,000-120,000 dollars per year.
- Save 30% human power.
- Saving material 5-8% per year, material cost saving RMB two to three hundred thousand per year
- investment return period: 12-18 months