



愛瑪

emma cutting 4.0

## 鞋包类全物料智能裁切方案

Overall smart cutting solutions for Shoe and Bag manufacturing

创客所需 · **Create for your demand**





## 爱玛使命&愿景

科技普惠行业发展·共创人类美好生活

世界上每个地方的用户,都值得被看见、被尊重,被满足。  
爱玛跨领域提供持续创新的数智技术与方案,  
改善人类生活品质与环境。惟精惟诚,无远弗届。

## EMMA's mission & vision

Benefit the development of the industry with technology  
Create a better life for mankind

Users in every part of the world deserve to be seen, respected and satisfied. Emma provides continuously innovative technologies and solutions to improve the quality of human life and the environment. There is no limit to what can be achieved when the only essence is sincerity.

## 爱玛宗旨

我们持续以勇于探索的创新精神,  
整合领先的技术、  
以客户需求为中心创造可靠的数智化解决方案,  
对社会的繁荣产生积极的影响。

## EMMA's principle

With EMMA'S innovative spirit of exploration and leading technology, we continue to create reliable digital and intelligent solutions centered on customer's demands, commit to making a positive impact on the prosperity of society.

心持梦想·敬惜生命

Commit to dreams · Reverence of life

运用智能裁切技术,为每张皮革提高利用率,增加动物献给人类最后生命华彩的价值;提升规则材料利用率,减少工业垃圾的产生,减轻地球降解的负担,为客户带来可观的利润,是值得我毕生追求的事业。

Use smart cutting technology to increase the utilization rate of leather, increase the value of the last life that animals; improve the utilization rate of synthetic materials, reduce the industrial waste burden of earth degradation, and bring considerable benefits to customer, which is the career worthy of my lifelong pursuit.

爱玛联合创始人/董事长:王国权

Chairman: king wang



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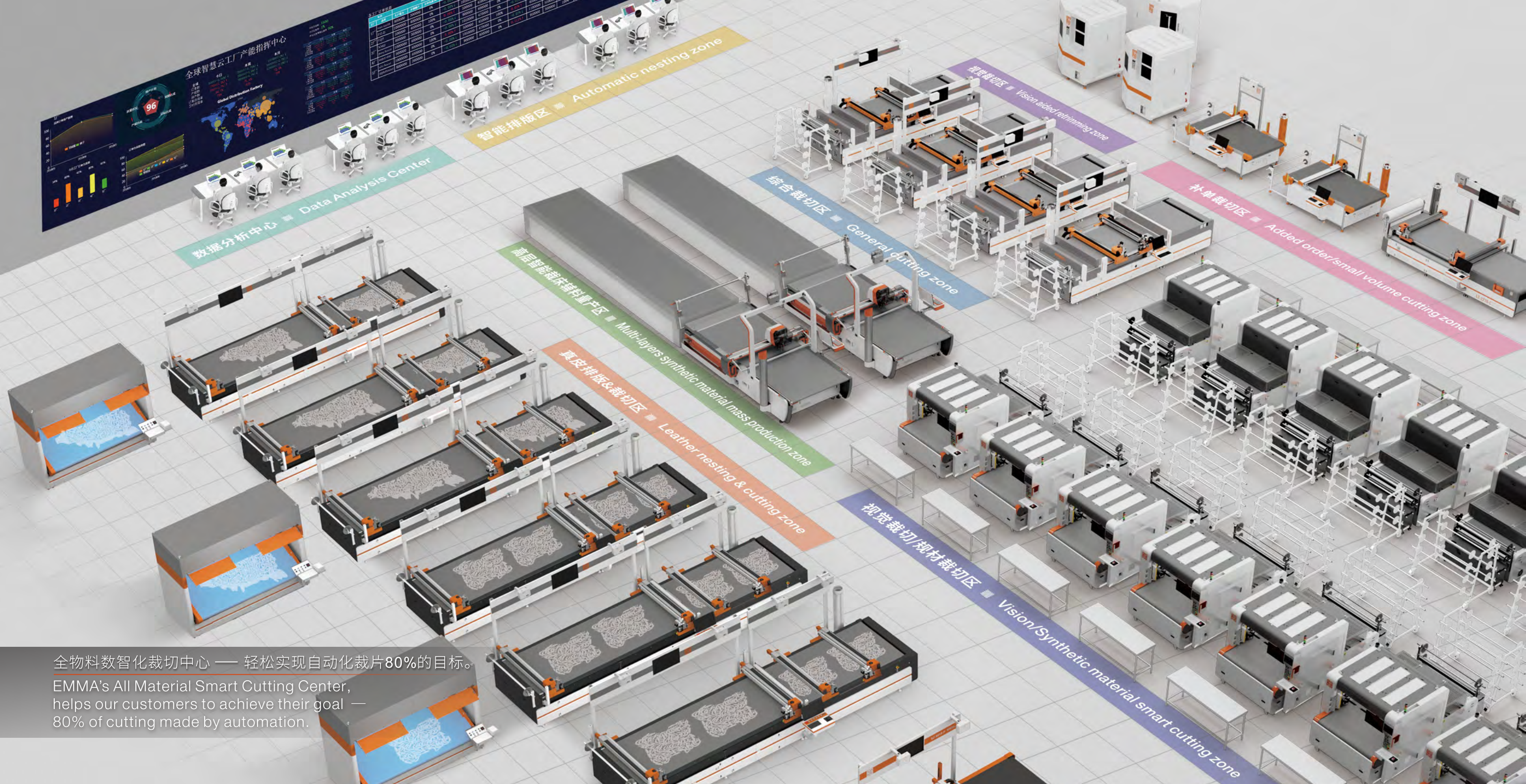
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全物料数智化裁切中心 —— 轻松实现自动化裁片80%的目标。  
EMMA's All Material Smart Cutting Center,  
helps our customers to achieve their goal —  
80% of cutting made by automation.





## AMSC

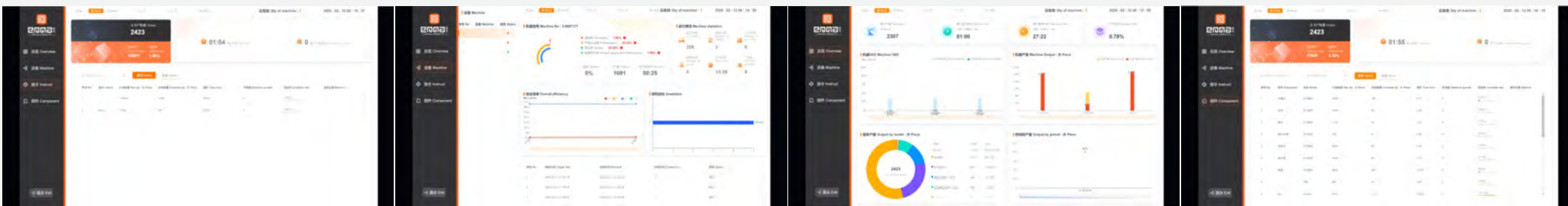
All Material Smart Cutting Center  
全物料数智化裁切中心



爱玛将软件、设备、数据和服务完美整合,以“全物料、数智化”为特点的“AMSC center(All Material Smart Cutting Center全物料数智化裁切中心)”,涵盖真皮、规则材料,辅助材料,图案材料等物料,可匹配打样、技转、量产、补单、大规模订制等应用场景多种机型设备,全部机型实现与企业ERP/MES进行数据对接,贯穿订单接收、智能排版、智能排程、智能派单、自动裁切、产能数据反馈分析等全流程。广泛应用于运动鞋类、皮革制品等多个行业,助力众多世界级制造商赢得数智化变革成功。

EMMA perfectly integrates software, equipment, data and services. The "AMSC center (All Material Smart Cutting Center)" covers sample, production, replenish and mass customization orders of genuine leather and synthetic materials and auxiliary materials, etc. Date integration between EMMA machines and customers' ERP/MES through out order receiving, smart nesting, smart schedule, smart job dispatching, cutting and data analysis. It is widely used in many industries such as sport footwear and leather products, helped many world-class manufacturers succeed in digital transformation.

## 数据驱动 同材共裁 | Data Driven Multi-material Cutting



### 数据集中管理与高效访问

#### 集中储存:

数据库能够集中存储裁切机的各种数据,如设计文件、裁切参数、生产记录等,便于统一管理和快速访问。

#### 高效查询:

通过数据库的索引和查询优化功能,用户可以快速检索所需的数据,提高工作效率。

### 生产过程的优化与自动化

#### 历史数据分析:

数据库可以存储大量的历史生产数据,通过分析这些数据,优化裁切参数和生产流程,提高生产效率和产品质量。

### 提高生产精度与一致性

#### 参数标准化:

数据库可以存储和调用标准化的裁切参数,确保每次裁切的精度和一致性,减少误差和废品率。

**实时监控与调整:** 数据库支持实时监控裁切过程,及时发现和调整异常情况,确保生产过程的稳定性和产品质量,可以接入ERP系统进行数据对接。

### 支持多用户与权限管理

#### 多用户访问:

数据库支持多用户同时访问,不同用户可以根据权限访问和操作不同的数据,提高团队协作效率。

**权限管理:** 通过数据库的权限管理功能,可以设置不同用户的访问权限,确保数据的安全性和保密性。

### 支持远程监控与管理

#### 远程访问:

数据库支持远程访问功能,用户可以通过网络远程监控和管理裁切机的运行状态和生产数据,提高管理灵活性。

#### 实时数据同步:

数据库支持实时数据同步功能,确保远程和本地数据的一致性,方便远程决策和管理。

### Integrated Data Management and Access

#### Integrated storage:

The database collects all kinds of data of the cutting machines, such as design documents, cutting parameters, production records etc.

#### Efficient Searching:

The optimization of searching and index can help the users to quickly look up the data they need, improving work efficiency.

### Optimization and Automation of Production

#### Data Analysis:

The database can store a large amount of production data. By analysing these data, it will optimize the cutting configurations and production, thus improving efficiency and quality.

### Improvement of Precision and Consistency

#### Standardized Configurations:

The database can save and apply standardized cutting configurations to ensure the precision and consistency of each cut, reducing errors.

#### Real-time Monitoring:

The database can monitor the cutting process in real-time. This can help spot the abnormalities that might occur in the production. Further more, the database can access ERP system to make data connection.

### Multi-users and Authority Control

#### Multi-user Access:

The database can be accessed by many users simultaneously. Each can operate different data based on the authorities they are given.

#### Authority Management:

The authority magement of the database can guarantee the security and confidentiality of the data.

### Remote Monitoring and Control

#### Remote Access:

The database can be accessed remotely. Users can monitor the state of cutting machines via network, improving the flexibility of mangement.

#### Real-time Data Synchronization:

The database can synchronize real-time to maintain the consistency of local and remote data.



爱玛特有的“全物料智能裁切系统”AMOM system (All Material One Machine system) 帮助制造商在保证生产数量和投资收益的前提下，一机多用，能同时兼顾多种物料的智能裁切，所有机型均能智能互联实现智慧生产，确保制造商可在大批量生产、小批量生产、定制化生产方式之间自由切换，拥有不限批量、多品种、多批次、快速生产的敏捷生产方式，以应对订单、材料、款式的快速变化。



# AMOM system

All Material One Machine system

## 全物料智能裁切系统

EMMA's unique AMOM system (All Material One Machine system) helps manufacturers to make one machine multi-purpose on the premise of ensuring production quantity and investment income. It takes into account the cutting of multiple materials at the same time and ensures that manufacturers can freely switch between mass production, small batch production and customized production. It's extremely flexible to respond to the changes of orders, materials, and styles.



工程网布  
Engineering mesh



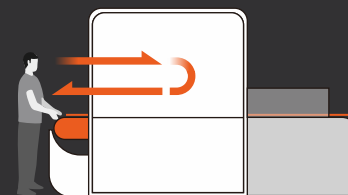
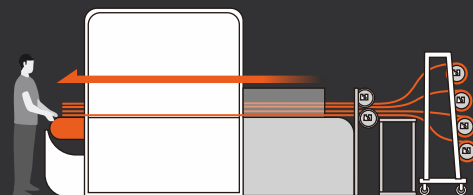
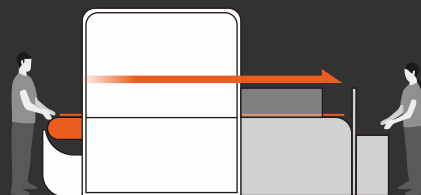
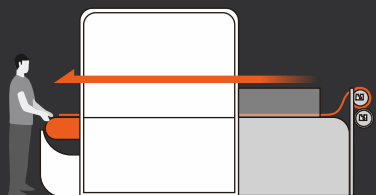
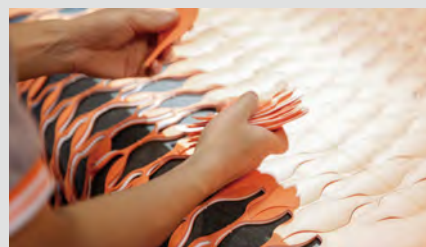
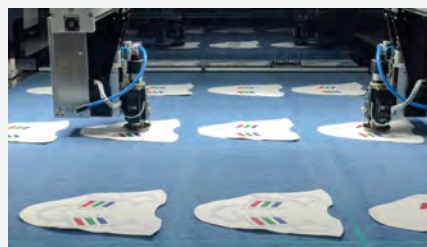
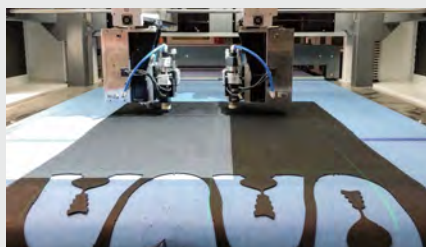
部件改刀  
Parts recutting



多层材料  
Multi-layer materials



反毛皮/二榔皮  
Suede/ Split leather





# G2-1607+V

## 视觉识别智能裁切机

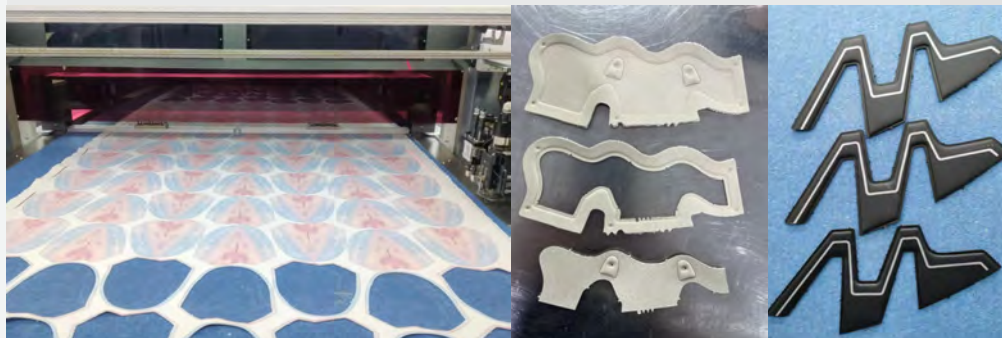
### Visualized smart cutting machine

- 铸造式高强度机架。
  - 双刀头异步同时裁切，冲孔，划线。
  - 双投影显示。
  - 高清工业摄像头。
  - 标配后收料箱。
  - 产能显示，联机操作。
  - 多层裁切，多层送料。
  - 裁切，检片同时进行。
  - 选配：核心技术“爱洁”冲孔后吸料技术。
- Fortified Cast Frame.
  - Two cutting heads working independently.
  - Two projectors.
  - hi-res industrial cameras
  - Equipped with back collecting chest
  - Production display, interconnected operation on multiple machines.
  - Multi-layers smart cutting& auto transmission.
  - Cutting and collecting at the same time.
  - Optiinal: Patented "iclean" post punching suction.

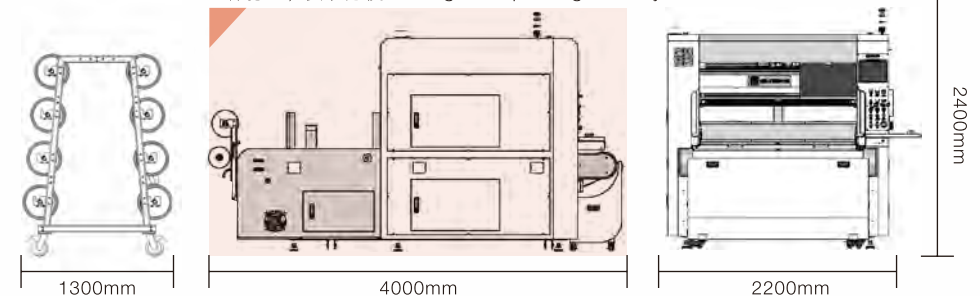
机器尺寸\_dimension ■(L) 2200mm x (W) 4000 mm x (H)2400mm  
 裁切面积\_cutting area ■(L)1560mm x (W)660mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 2200KG  
 总功率\_total consumption ■ 10.5KW



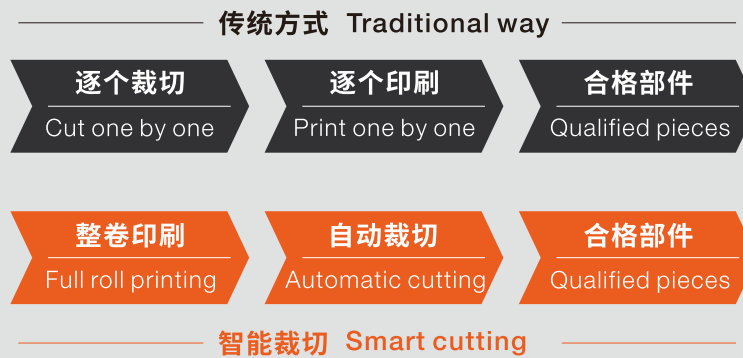
视觉识别智能裁切技术发明专利  
 Visual Recognition Cutting Patent



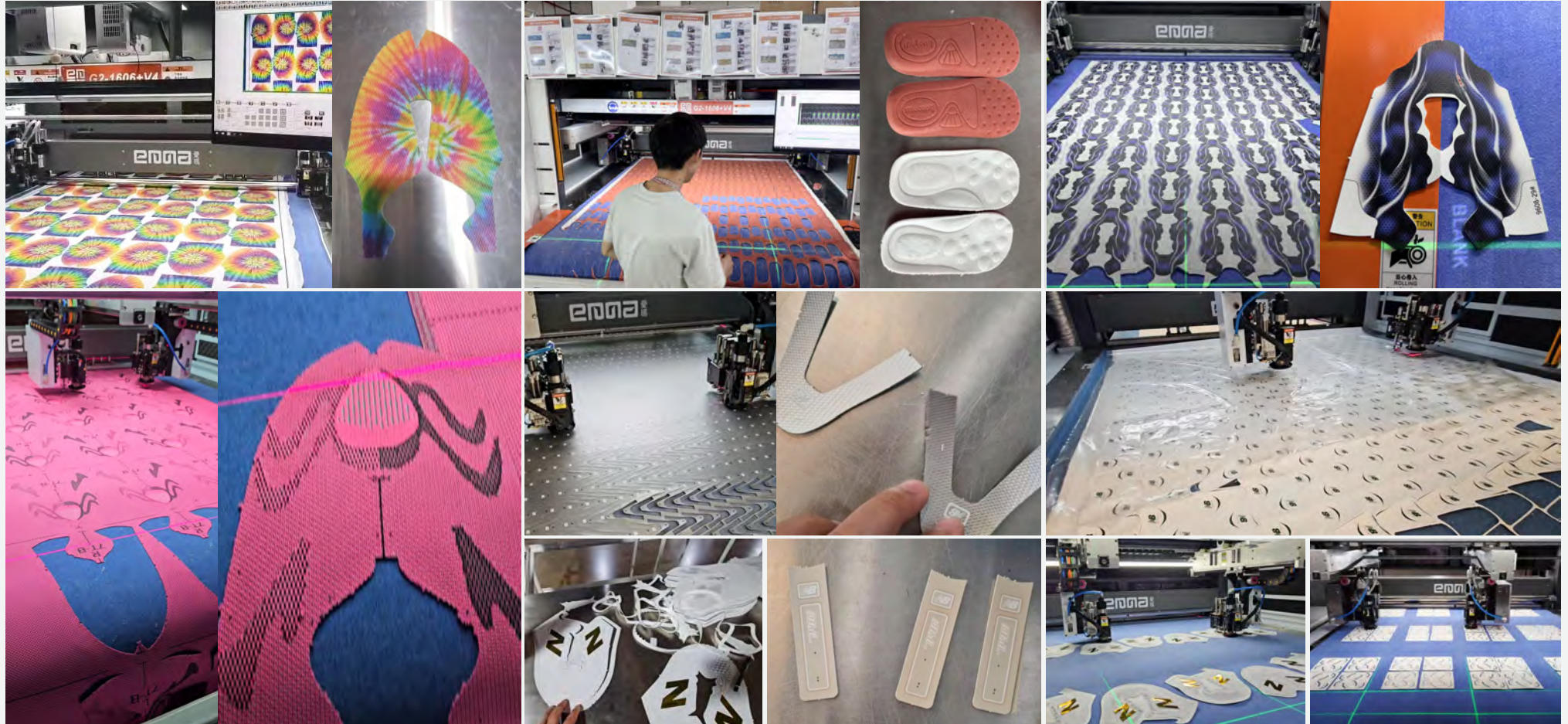
整体打包，安装方便 Integrated package, easy installation







备注：鞋款图片源自公开网络，数据来自客户公开对比测试案例。 Remark: The photos of the shoes are from public domain. Data is from customer's open tests.





# G2-1606+V4

## 视觉识别智能裁切机

### Visualized smart cutting machine

- 双投影显示。
  - 双头异步同时裁切。
  - 高清工业镜头。
  - 标配两侧补光灯。
  - 标配后收料箱。
  - 标配：核心技术“爱洁”冲孔后吸料技术。
  - 四种工作模式。
  - 多层裁切，多层自动送料。
  - 产能显示，联机操作。
  - 2022年工业设计优秀奖。
  - 2022制鞋科学技术奖。
- 2 projectors.
  - 2 Cutting heads working independently.
  - HD industrial camera lens.
  - Light source on either side.
  - Rear collecting chest.
  - Patented "iclean" post punching suction.
  - 4 working modes.
  - Multi-layers smart cutting& auto transmission.
  - Production display, interconnected operation on multiple machines.
  - 2022 Industrial Design Excellence Award.
  - 2022 Shoe Industry Science and Technology Award.

机器尺寸\_dimension ■(L) 2800mm x (W) 4000 mm x (H)2300mm

裁切面积\_cutting area ■(L)1560mm x (W)660mm

工作电压\_voltage ■AC380V ±5% 50/60HZ

整机重量\_weight ■2297KG

总功率\_total consumption ■ 10.5KW



视觉识别智能裁切技术发明专利  
Visual Recognition Cutting Patent



—— 相关机型视频请扫码观看 ——



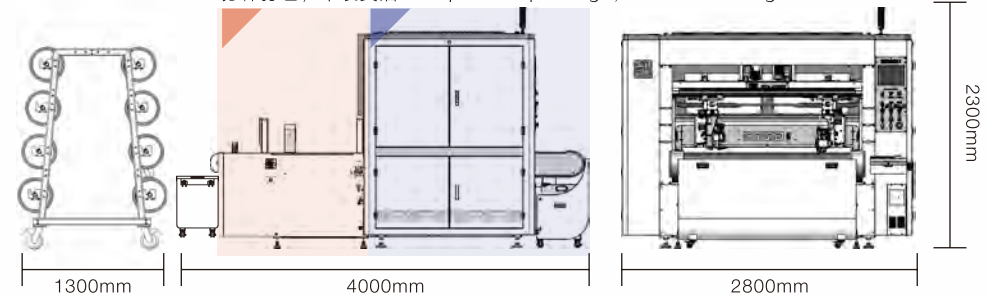
官方号 VIDEO



公司号 VIDEO



分体打包，吊装灵活 Separated package, flexible hoisting





## 投资智能裁切对客户的六大价值

- 1 交期更短，减少传统生产方式大量中间仓引起的各种浪费；
- 2 提升生产效率，减少用工规模，可以实现多轮次订单，加快从裁切到车缝到成型的速度；
- 3 控制用量，节省材料成本，减少补料，保证交货期；
- 4 减少刀模，便于应对变化多样的柔性订单，减少试制产品、开发打样、产品试销样、产品确认样、小订单产品的刀模浪费；
- 5 质量更佳，稳定性高，对下一工序电脑针车的普及更有利，综合计算（裁+缝）成本节省更明显；
- 6 数据化/可视化的生产管理，提升工厂管理水平，提升企业形象。

## The investment values of synthetic materials

- 1 Shorter delivery time compared with traditional modes.
- 2 Higher efficiency, save manpower, order divided in rounds, speed up the process from cutting to sewing to forming;
- 3 Save material cost, reduce supplementary materials, and ensure delivery time;
- 4 Reduce die molds, more flexible, and reduces the waste of cutting molds for trial production, sampling, product trial sales samples, product confirmation samples, and small order products;
- 5 Higher quality, more stable, more beneficial to computerized sewing machines in the next process, and the cost saving of comprehensive calculation (cutting + sewing) is more obvious;
- 6 Data-based/visualized production management can improve factory management level and corporate image.



**裁切效率举例：**S2-5616-P机型，每小时裁切900-1200刀  
(视裁片复杂程度与冲孔数量而定，按平均1000刀/小时计算，每刀4层材料计)

**Cutting efficiency reference:** S2-5616-P, 900-1,200 cuts/hour  
(Depending on the complexity of cutting pieces and the number of punching, according to the average 1,000 pieces/hour, 4 layers per cut calculation)

**投资回报测算：**以鞋企辅料智能裁切中心为例  
(4台S2-5616-P智能裁切机，8小时/天运行，总产出：128000片)

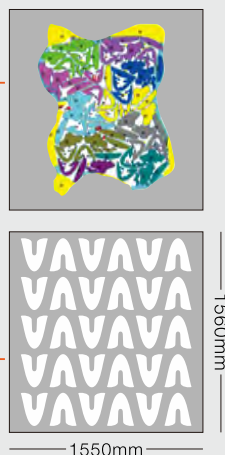
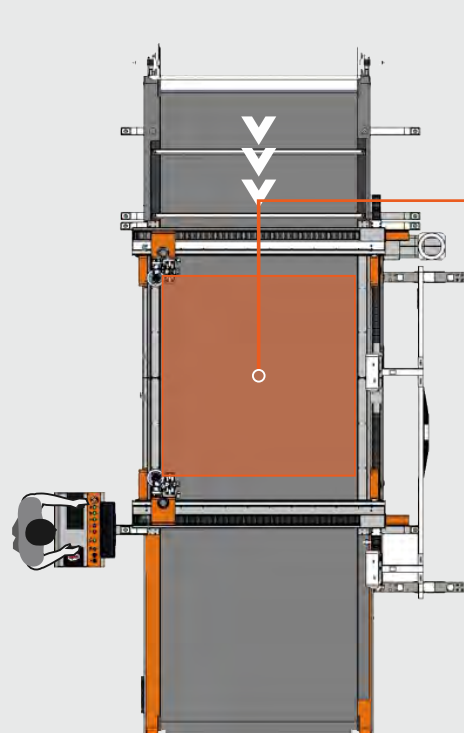
**Smart cutting center of Synthetic materials**  
(4 sets S2-5616-P ,running 8 hours/day, total output 128,000pcs)

- 1) 专用于裁切运动鞋热压工艺TPU材料（平均每双12-16片），每天可产出约8000-10000双，每年可产出约240-300万双（裁片复杂的请按数量减半计算），提升效率300%-400%，节省材料，刀模，人工等成本约60-90万元人民币（折算约8.8-13.2万美元）；
- 1) 用于裁切运动休闲鞋款草料类材料（平均每双16-24片），每天可产出约5300-8000双面料，每年可产出约160-240万双，提升效率150%-300%，节省材料，刀模，人工等成本约50-70万元人民币（折算约7.3-10.2万美元）。

- 1) Specially used for cutting sports shoes heat-pressing process TPU materials (calculated as 12-16 pcs/pair), which can produce 8,000-10,000 pairs per day and 2.4 million-3 million pairs per year (For complex pieces, please reduce the quantity by half), improving efficiency by 300%-400%, saving materials, cutting mold, labor and the other costs are about RMB 600,000-900,000 (USD 88,000-132,000);
- 2) Cutting leather materials for sports and leisure shoes (calculated as 16-24 pcs/pair), which can produce 5,300-8,000 pairs per day and 1.6 million-2.4 million pairs per year, improving efficiency by 150%-300%, saving materials and cutting dies, labor and other costs are about RMB 500,000-700,000 (US dollars 73,000-102,000).



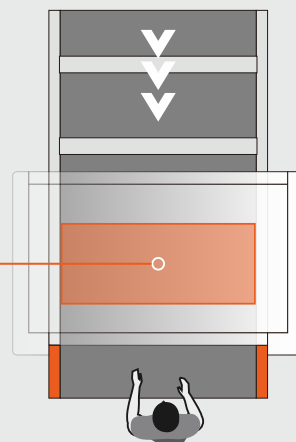
**S**  
系列  
Series



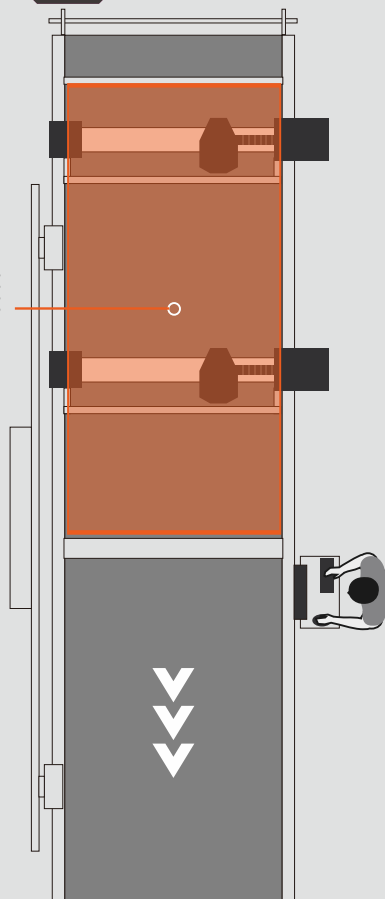
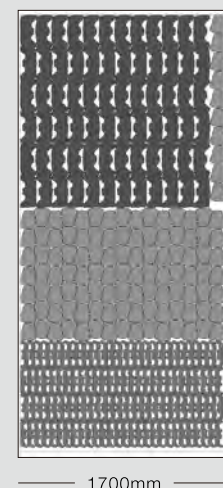
**VS**



**G**  
系列  
Series



**F**  
系列  
Series



**实际应用：**大多企业选择“2+1+1”模式。爱玛众多客户在实际应用中根据自身订单及产品物料情况，常常会采取2台S系列（反毛皮、人造革，TPU）1台G系列（TPU、工业布类），1台F系列（网布、泡棉、后套里材料）的设备组合搭配应用，增加灵活性，提高设备利用率，获得良好的经济效益。

**Combination 2+1+1:** Most companies choose "2+1+1" mode, which is 2 S series machines for TPU, synthetic leather and suede, 1 G series machine for mesh and 1 F series for engineering mesh. Such combination can increase the flexibility and the utilization of machines and improve financial gains.







# G2-1606

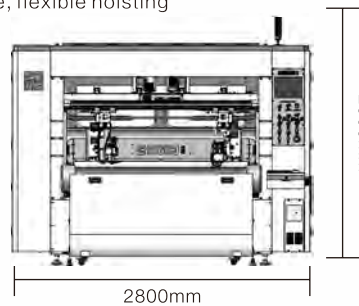
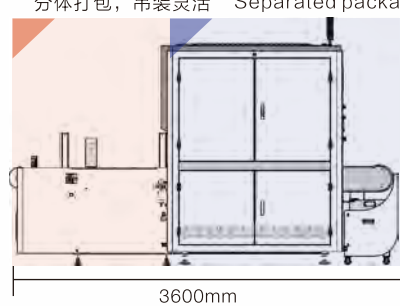
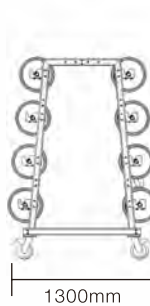
## 智能裁切机

### Smart cutting machine

- 双投影显示。
  - 双头异步同时裁切。
  - 标配2冲孔组件。
  - 卷料/皮料两种工作模式。
  - 多层裁切，多层自动送料。
  - 产能显示，联机操作。
  - 标配：核心技术“爱洁”冲孔后吸料技术。
- 2 projectors.
  - 2 Cutting heads working independently.
  - Standard configuration: 2 punching tools.
  - Synthetic materials/Leather two working modes.
  - Multi-layers smart cutting& auto transmission.
  - Production display, interconnected operation on multiple machines.
  - Patented "iclean" post punching suction.

机器尺寸\_dimension ■(L) 2800mm x (W) 3600 mm x (H)2300mm  
 裁切面积\_cutting area ■(L)1560mm x (W)660mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 2247KG  
 总功率\_total consumption ■ 10.5KW

分体打包，吊装灵活 Separated package, flexible hoisting





# S2-5716-P

## 智能裁切机 Smart cutting machine

- 双头异步同时裁切。
- 多层裁切，多层自动送料。
- 产能显示，联机操作。
- 自动对刀功能。
- 卷料/皮料两种工作模式。
- 标配：核心技术“爱洁”冲孔后吸料技术。
- 选配：高清双投影

- Two cutting heads working independently.
- Multi-layers smart cutting& auto transmission.
- Production display, interconnected operation on multiple machines.
- Auto knife calibration function.
- Synthetic materials/Leather two working modes.
- Patented "iclean" post punching suction.
- Optiinal: Hi-res double projectors

机器尺寸\_dimension ■(L) 5670mm x (W) 3200 mm x (H)3100mm  
 裁切面积\_cutting area ■(L)1560mm x (W)1550mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 1955KG  
 总功率\_total consumption ■ 20KW



集屑式冲孔机构专利 Debris-collecting puncher patent



—— 相关机型视频请扫码观看 ——



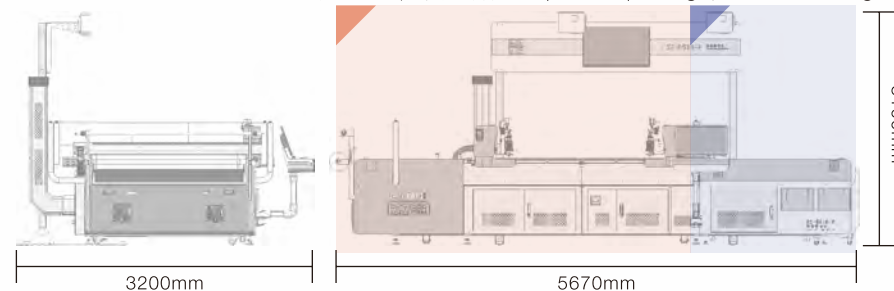
官方号 VIDEO



公司号 VIDEO



分体打包，吊装灵活 Separated package, flexible hoisting





# G2-1607

## 智能裁切机

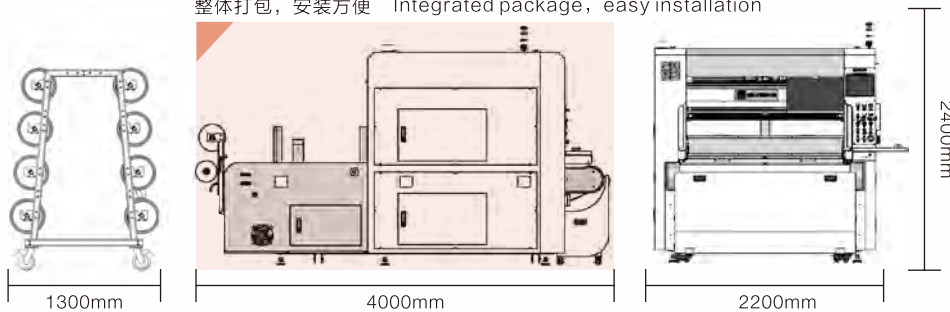
### Smart cutting machine



- 双刀头异步同时裁切。
  - 双投影显示。
  - 产能显示，联机操作。
  - 多层裁切，多层送料。
  - 裁切，检片同时进行。
  - 选配：核心技术“爱洁”冲孔后吸料技术。
- Two cutting heads working independently.
  - Two projectors.
  - Production display, interconnected operation on multiple machines.
  - Multi-layers smart cutting& auto transmission.
  - Cutting and collecting at the same time.
  - Optiinal: Patented "iclean" post punching suction.

机器尺寸\_dimension ■(L) 2200mm x (W) 4000 mm x (H)2400mm  
 裁切面积\_cutting area ■(L)1560mm x (W)660mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 2200KG  
 总功率\_total consumption ■ 10.5KW

整体打包，安装方便 Integrated package, easy installation





# S2-5316-P

## 智能裁切机 Smart cutting machine

—— 相关机型视频请扫码观看 ——



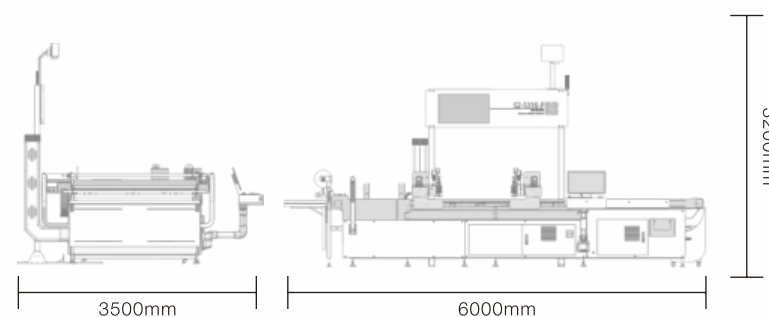
官方号 VIDEO



公司号 VIDEO

- 双头异步同时裁切。
  - 卷料/皮料两种工作模式。
  - 选配：核心技术“爱洁”冲孔后吸料技术。
  - 产能显示，联机操作。
  - 多层裁切，多层自动送料。
- 
- Two cutting heads working independently.
  - Synthetic materials/Leather two working modes.
  - Optiinal: Patented "iclean" post punching suction.
  - Production display, interconnected operation on multiple machines.
  - Multi-layers smart cutting& auto transmission.

机器尺寸\_dimension ■ (L) 6000mm x (W) 3500mm x (H) 3200mm  
裁切面积\_cutting area ■ (L) 1560mm x (W) 1550mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 2205KG  
总功率\_total consumption ■ 18.5KW





# 2F3-3317-P

## (双刀头)高层智能裁床

### Multi-layers smart cutting machine

相关机型视频请扫码观看



官方号 VIDEO



公司号 VIDEO

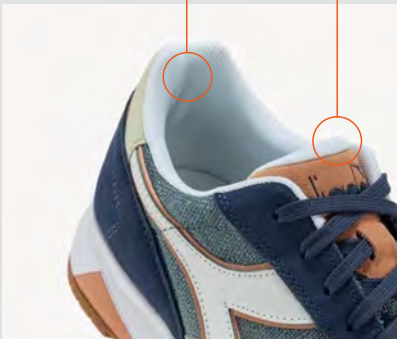
- 新一代精密刀头+专利双冲孔组合。
- 配置双投影显示，实现高低差精准捡片。
- 产能看板显示，目视化定位。
- 双刀头异步同时裁切，大幅度提升产能。
- 可裁切/冲孔厚度吸附后3CM（常见蓬松类鞋材8-12层）。
- 具有带压过窗功能，实现连续自动裁切。

- New generation upgraded models.
- Two projectors.
- Production display, positioning visible.
- Two cutting heads working independently, increasing capacity of production.
- 30mm materials after vacuum adsorption could be cut.
- Keep adsorption during transmission.



机器尺寸\_dimension ■(L) 8000mm x (W) 3400 mm x (H)3000mm  
 裁切面积\_cutting area ■(L)3300mm x (W)1700mm  
 工作电压\_voltage ■AC380V ±5% 50/60HZ  
 整机重量\_weight ■5200KG  
 总功率\_total consumption ■ 26KW

内里 Lining 鞋舌 Tongue





# F3-1217-P

## 高层智能裁床

### Multi-layers smart cutting machine

- 新一代精密刀头+专利双冲孔组合。
- 精巧机型，适合中小批量生产。
- 配置双投影显示，实现高低差精准捡片。
- 产能看板显示，目视化定位。
- 可裁切/冲孔厚度吸附后3CM  
(常见蓬松类鞋材8-12层)。
- 具有带压过窗功能，实现连续自动裁切。
- New generation upgraded models, suitable for small and medium-sized orders production.
- Two projectors.
- Production display, positioning visible.
- 30mm materials after vacuum adsorption could be cut.
- Keep adsorption during transmission.



机器尺寸\_dimension ■(L) 5150mm x (W) 3400 mm x (H)2900mm  
 裁切面积\_cutting area ■(L)1200mm x (W)1700mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 3410KG  
 总功率\_total consumption ■ 18KW

# F3-1817-P

## 高层智能裁床

### Multi-layers smart cutting machine

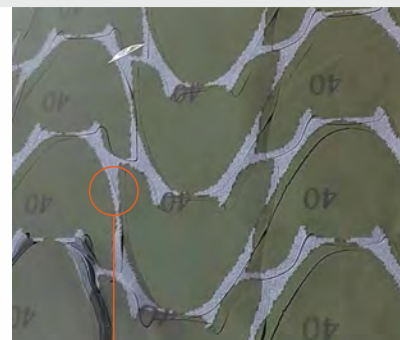
- 新一代精密刀头+专利双冲孔组合。
- 主流机型，适合中型批量生产。
- 配置双投影显示，实现高低差精准捡片。
- 产能看板显示，目视化定位。
- 可裁切/冲孔厚度吸附后3CM  
(常见蓬松类鞋材8-12层)。
- 具有带压过窗功能，实现连续自动裁切。
- New generation high precision heads with punching tools.
- Main stream model suit for medium batch production.
- Two projectors.
- Production display, positioning visible.
- Can cut/punch up to 3 cm after vacuumed (8-12 layers of common puffy shoe materials)
- Keep adsorption during transmission.



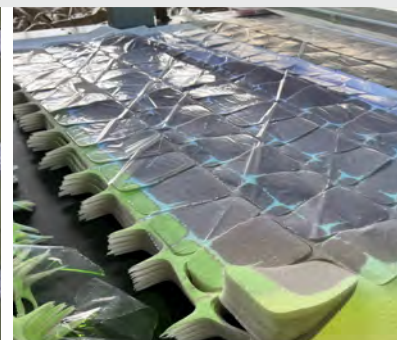
机器尺寸\_dimension ■(L) 5130mm x (W) 3000 mm x (H)2800mm  
 裁切面积\_cutting area ■(L)1800mm x (W)1700mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 3582KG  
 总功率\_total consumption ■ 38KW/23KW/20KW  
 (电机选配，功率不同。Motor optional, different consumption.)



毛绒内里  
plush lining



投影捡片方便  
Projection display, easy collection





# 2R5-3317-P

## 高层智能裁床

### Multi-layers smart cutting machine

—— 相关机型视频请扫码观看 ——



官方号 VIDEO



公司号 VIDEO

- 新一代高精密裁头+双冲孔组合。
- 专利砂轮磨刀装置，长久保持刀刃锋利。
- 配置双投影显示，实现高低差精准捡片。
- 产能看板显示，目视化定位。
- 双刀头异步同时裁切，大幅度提升产能。
- 可裁切/冲孔厚度吸附后5CM（约为常见蓬松类鞋材12-20层）。
- 具有带压过窗功能，实现连续自动裁切。

- New generation high precision heads with punching tools.
- Patented grindstone device, maintaining sharpness.
- Two projectors.
- Production display, positioning visible.
- Two cutting heads working independently, increasing capacity of production.

- Can cut/punch up to 5 cm after vacuumed (12-20 layers of common puffy shoe materials)
- Keep adsorption during transmission.



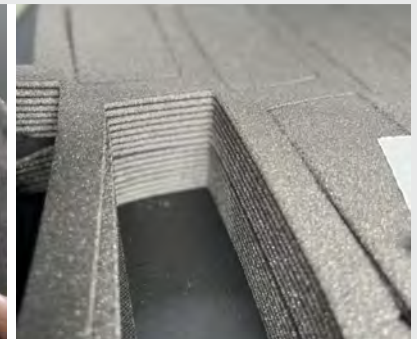
机器尺寸\_dimension ■(L) 8000mm x (W) 3400 mm x (H) 3000mm

裁切面积\_cutting area ■(L) 3300mm x (W) 1700mm

工作电压\_voltage ■AC380V ±5% 50/60HZ

整机重量\_weight ■5200KG

总功率\_total consumption ■30KW





# R5-1217-P

## 高层智能裁床

### Multi-layers smart cutting machine

- 新一代高精密裁头+双冲孔组合。
- 专利砂轮磨刀装置，长久保持刀刃锋利。
- 精巧机型，适合中小批量生产。
- 配置双投影显示，实现高低差精准捡片。
- 产能看板显示，目视化定位。
- 可裁切/冲孔厚度吸附后5CM  
(约为常见蓬松类鞋材12-20层)。
- 具有带压过窗功能，实现连续自动裁切。
- New generation high precision heads with punching tools.
- Patented grindstone device, maintaining sharpness.
- Two projectors.
- Production display, positioning visible.
- Two cutting heads working independently, increasing capacity of production.
- Can cut/punch up to 5 cm after vacuumed (12-20 layers of common puffy shoe materials)
- Keep adsorption during transmission.



机器尺寸\_dimension ■ (L) 5150mm x (W) 3300 mm x (H) 2900mm  
 裁切面积\_cutting area ■ (L) 1200mm x (W) 1700mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 3410KG  
 总功率\_total consumption ■ 20KW

# R5-1817-P

## 高层智能裁床

### Multi-layers smart cutting machine

- 新一代高精密裁头+双冲孔组合。
- 专利砂轮磨刀装置，长久保持刀刃锋利。
- 主流机型，适合中型批量生产。
- 配置双投影显示，实现高低差精准捡片。
- 产能看板显示，目视化定位。
- 可裁切/冲孔厚度吸附后5CM  
(约为常见蓬松类鞋材12-20层)。
- 具有带压过窗功能，实现连续自动裁切。
- New generation high precision heads with punching tools.
- Patented grindstone device, maintaining sharpness.
- Two projectors.
- Production display, positioning visible.
- Two cutting heads working independently, increasing capacity of production.
- Can cut/punch up to 5 cm after vacuumed (12-20 layers of common puffy shoe materials)
- Keep adsorption during transmission.



机器尺寸\_dimension ■ (L) 5130mm x (W) 3000 mm x (H) 2800mm  
 裁切面积\_cutting area ■ (L) 1800mm x (W) 1700mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 3582KG  
 总功率\_total consumption ■ 40KW/23KW/22KW  
 (电机选配，功率不同。Motor optional, different consumption.)



号码齿清晰易认  
 Clear size marks, easy recognition



## 投资真皮量产智能裁切对客户的六大价值

- 1 减少刀模，便于应对变化多样的柔性订单，增强企业竞争力；
- 2 缩短交期，皮革预排版模式，减少因超料造成补料引起交期延误；
- 3 皮革数字化管理，精准控制成本，减少工厂与品牌商、皮革供应商之间的“扯皮”现象；
- 4 形成统一技术标准，实现多国/多地工厂生产水平的一致性；跨地区、跨国沟通成本低及方便；
- 5 提升生产效率，减少熟练工规模，更容易、更快、更低成本地培养新人，并可将人的经验及企业的经验易于保存及传承，减少工人之间的水平差异。
- 6 建立“数字皮仓”，企业可有针对性地用分等级的皮革应对不同要求的鞋类款式，提升皮革利用率。

## The investment values of leather production

- 1 Save die cut molds, more flexible, more competitive.
- 2 Shorten delivery time, pre-nest helps to order leather more accurately, avoiding leather waste or short stock.
- 3 High cutting precision, high quality, less disputes among factory, brands company and leather suppliers.
- 4 Same standard for facilities in different locations.
- 5 Higher efficiency, easier to train beginners,
- 6 Establish "digital leather warehouse", leathers of certain quality grade could be assigned to proper style to improve the yield.



**裁切效率举例：**L2-6816机型，每小时裁切900-1200片  
(视裁片复杂程度与冲孔数量而定，按平均1000片/小时计算)

**Cutting efficiency reference:** L2-6816, 900-1200 pcs/hour  
(Depending on the complexity of cutting pieces and the number of punching, according to the average 1000 pieces/hour calculation)

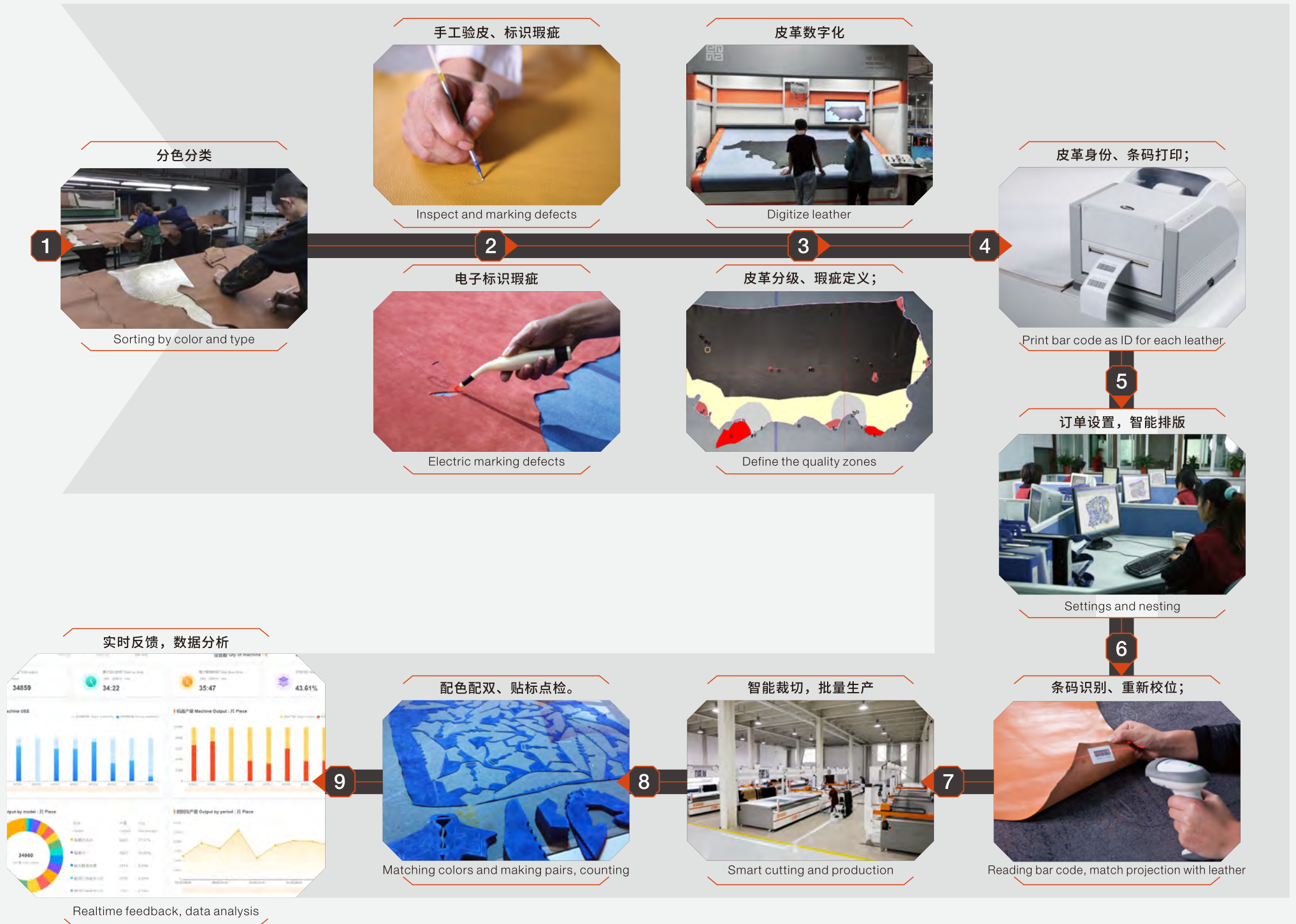
**投资回报测算：**以鞋企真皮材料智能裁切中心为例  
(2台L2-6816智能裁切机+1台皮革排版机，8小时/天运行，总产出16000片)

**Smart cutting center of leather materials**  
(2 sets L2-6816+ 1 set leather nesting machine, running 8 hours/day, total output 16000pcs)

- 1) 用于裁切整双鞋面为皮料裁片款式，以少量多样订单为主（平均16片/双计），每天可产出1000双，每年可产出30万双，提升效率100%-200%，节省材料，刀模，人工等成本约40-60万元（折算约5.9-8.8万美元）；
- 2) 用于裁切运动鞋少量皮料裁片搭配的款式（平均8片/双计），每天可产出2000双，每年可产出60万双，提升效率100%-200%，节省材料，刀模，人工等成本约40-60万元（折算约5.9-8.8万美元）。

- 1) Used for the entire pair of uppers are leather shoes, mainly in small quantities and various orders(calculated as 16 pcs/pair ), 1,000 pairs per day, annual output 300,000 pairs, improving efficiency by 100%- 200%, saving about RMB 400,000-600,000 in materials, cutting molds, labor and other costs ( 59,000-88,000 US dollars);
- 2) Used for cutting sports shoes with a small amount of leather (calculated as 8 pcs/pair ). 2,000 pairs per day, and around 600,000 pairs per year, improving efficiency by 100%-200%, saving materials, the cost of die mold and labor is about RMB 400,000-600,000 (59,000-88,000 U.S. dollars).







—— 相关机型视频请扫码观看 ——



官方号 VIDEO



公司号 VIDEO

# N-3116A

## 数控皮革排版机

Leather nesting machine



- 创于2011年的经典机型。
  - 高清投影系统。
  - 工业相机高清拍照系统。
  - 选配条码打印系统。
  - 选配LED多色温/多级亮度光源。
  - 选配智能排版服务器。
  - 平面工作区，操作方便。
  - 选配全自动智能排版软件系统。
  - 联机操作。
- 
- Classic model created in 2011
  - Hi-Res projection system
  - Industrial camera
  - Optional: bar code printing
  - Optional: LED multi color temperature/adjustable light source
  - Optional: intelligent nesting server
  - Flat working area, easy to operate
  - Optional: Full-auto nesting software system
  - Interlinked operation

机器尺寸\_dimension ■ (L)3320mm(W)2020mm(H)2760mm  
工作区面积\_nesting area ■ (L)3150mm(W)1560mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 964KG  
总功率\_total consumption ■ 8.5KW





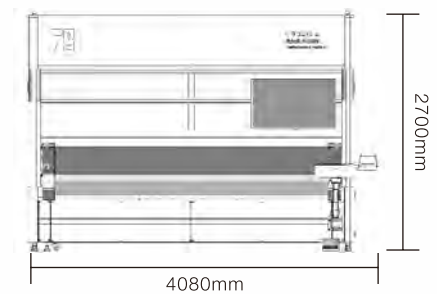
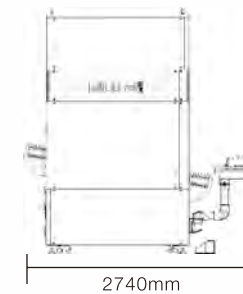
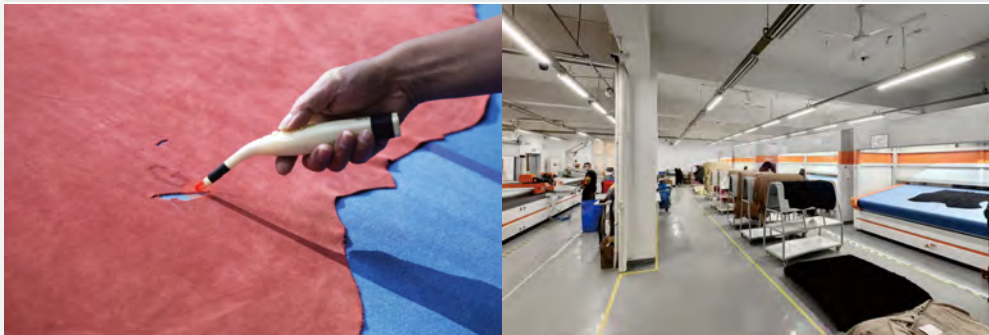
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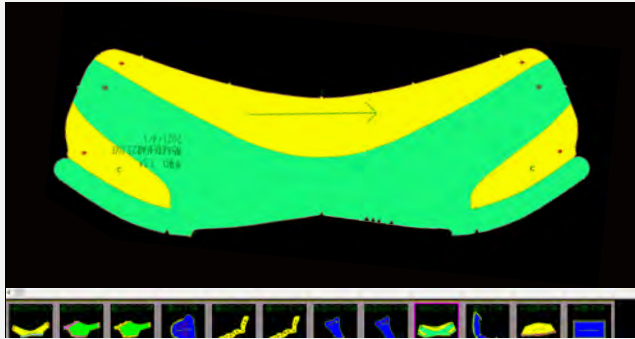
## 数控皮革排版机

### Leather nesting machine

- 高清投影系统;
  - 佳能拍照系统;
  - 条码打印系统;
  - 标配电子笔标记瑕疵系统;
  - 选配LED多色温/多级亮度光源;
  - 标配智能排版服务器;
  - 全自动智能排版软件系统;
  - 斜面工作区, 操作舒适;
  - 自动传送系统;
  - 联机操作;
- High definition projection system
  - Canon camera system
  - Bar code printing system
  - Electronic pen to mark defects
  - LED with multi CCT/ Multistage luminance optional
  - Smart nesting server
  - Auto nesting system
  - Inclined platform comfortable operation
  - Auto transmission system
  - Interconnected operation on multiple machines

机器尺寸\_dimension ■(L)4080mm x (W)2740 mm x (H)2700mm  
 工作区面积\_nesting area ■(L)3120mm x (W)1550mm  
 工作电压\_voltage ■AC380V ±5% 50/60HZ  
 整机重量\_weight ■1552KG  
 总功率\_total consumption ■9KW





等级设定

Define the quality zones



瑕疵利用

Make use of defects

## 怎么快速识别天然的瑕疵？

How to recognize the defects on the hide?



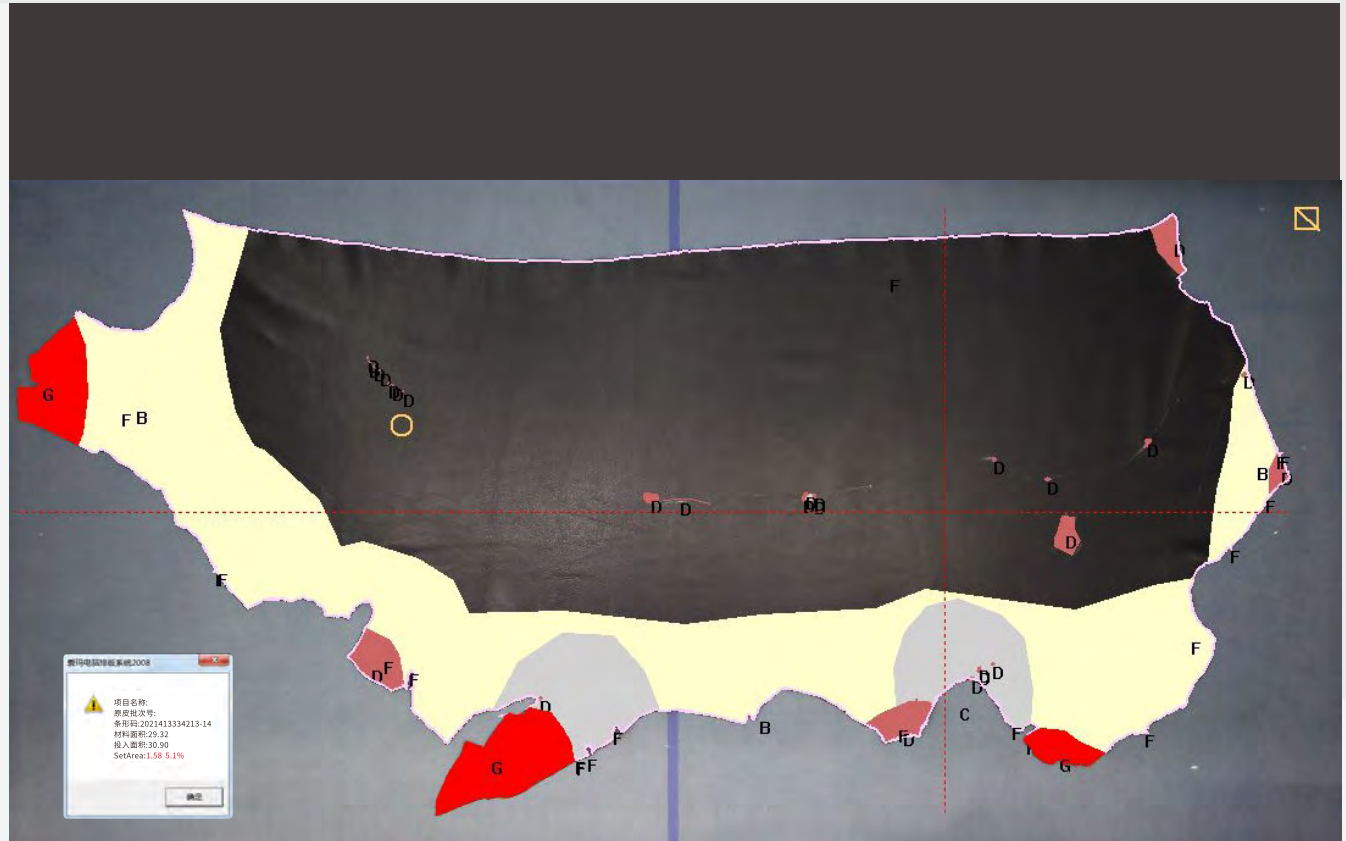
**identify**  
爱识

爱玛注册核心技术：爱识 (identify)

一键识别所有瑕疵（识别率可高达99.99%），1分钟左右可将皮革数字化，双色识别瑕疵及定义不同部位等级，以利下一步进行智能排版。

EMMA's registered core technology: identify

Recognize all the defects (up to 99.99%), digitize the leather in 1 minute, recognize the defects and classify different quality zones on different parts to support auto-nesting job.



- 智能识别不符合企业设定的皮革面积和等级，监测足码率。
- 智能识别检测不符合企业设定的皮革等级，预利用率将自动作警示，提醒与皮革供应商协商退货或换货。

- Machine will alarm if the leather area and grades could not reach factory stated, automatic monitoring.
- Nesting software will alert automatically when the nesting result exceeds factory allowance, remind to negotiate with supplier for refund or exchange leather.

材料面积\_Area of material ■ 29.32平方英尺sqf

瑕疵面积\_Area of defects ■ 0.89506 平方英尺sqf

可利用率\_Utilization ratio ■ 96.9%

毛利用率\_Gross utilization ratio ■ 0.0%

净利用率\_Net utilization ratio ■ 0.0%

A级面积\_Area of quality zone A ■ 19.4253 66.26%

B级面积\_Area of quality zone B ■ 7.07816 24.14%

C级面积\_Area of quality zone C ■ 1.31757 4.49%

D级面积\_Area of quality zone D ■ 0.34691 1.18%

F级面积\_Area of quality zone F ■ 0.25569 0.87%

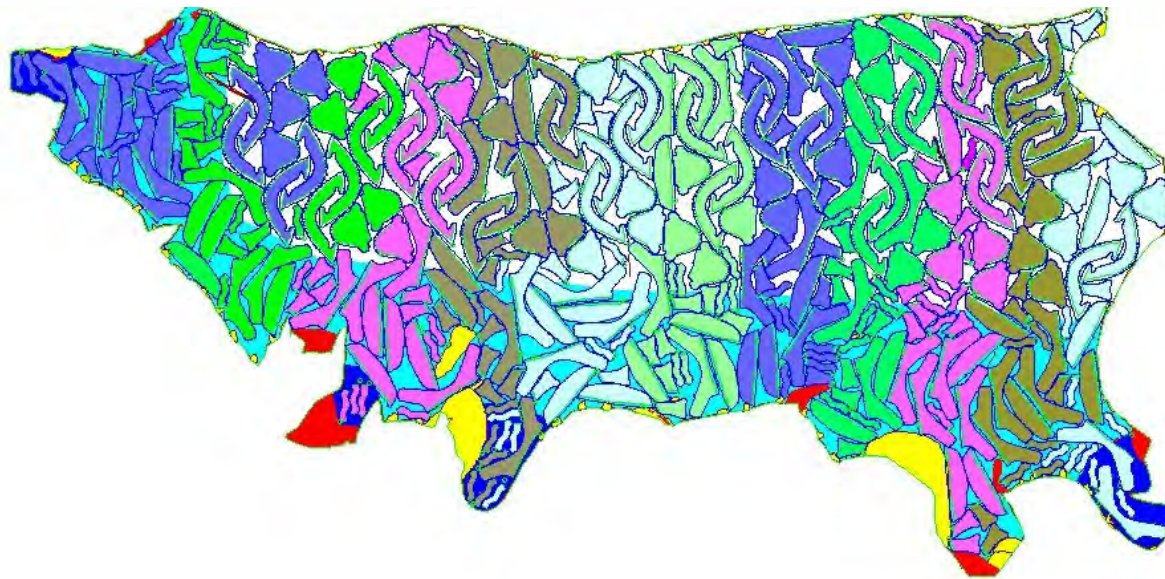
G级面积\_Area of quality zone G ■ 0.89506 3.05%



设定面积差 $\leq$ 3%

设定利用率 $\leq$ 72%

202104031316-1



名称	左	右	总片数	双数
TIP#8	11	11	22	11.0
VAMP#8	11	11	22	11.0
FOXING_LAT_TOP#8	12	12	24	12.0
FOXING_MED_TOP_#8	12	12	24	12.0
QUARTER_MEDIAL#8	12	12	24	12.0
QUARTER_LATERAL#8	11	12	23	11.5
FOXING_MEDIAL#8	12	11	23	11.5
FOXING_LATERAL#8	12	12	24	12.0
EYESTAY_LATERAL#8	12	12	24	12.0
EYESTAY_MEDIAL#8	12	12	24	12.0
TONGUE_LABEL4LD#8	12	11	23	11.5
BACKSTAY_4LD#8	12	12	24	12.0
净利用率:	65.4%			
皮料等级:	100.0%			
材料面积:	25.73平方英尺 88			



智能监测超出预设标准用量范围会自动警示，管理人员进行再次确认或与供应商进行交涉，处理超耗问题。

Nesting software shall show alert automatically if the nesting result exceeds allowance which set by factory, supervisor could double check the nesting or check with leather supplier

**N-18** 澎湃 系列  
Surge series

**N-28** 浩瀚 系列  
Vast series

## 新一代AI人工智能排版服务器

new generation of AI nesting server

AI人工智能时代的真皮排版方案

Leather nesting solution in the era of AI



配置请以最新数据为准 Please contact supplier for latest update





## AI人工智能时代的真皮排版方案 Leather nesting solution in the era of AI

能自动匹配皮料等级与模板等级之间的优先序，  
使皮料排版的合理性与利用率始终保持最佳状态。

Automatically matching the priority of the leather and components grades,  
so that the rationality and utilization of leather nesting keep at the best situation.

### 四大排版优势 | Four Nesting advantages



多张皮混合排版  
Mixed nesting  
of multiple skins



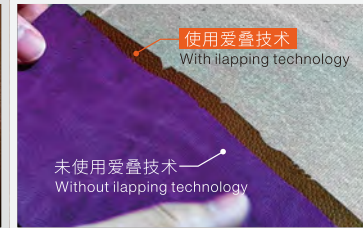
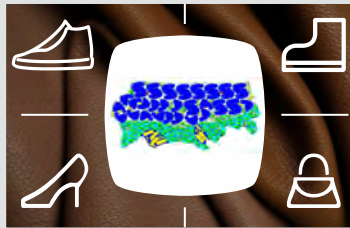
连续工作模式  
Continuous  
working mode



自学习排版模型  
Self-learning  
nesting model



“爱叠”排版技术  
"ilapping"  
nesting technology



中国皮革协会  
科技成果应用奖



中国轻工业联合会  
科学技术进步奖

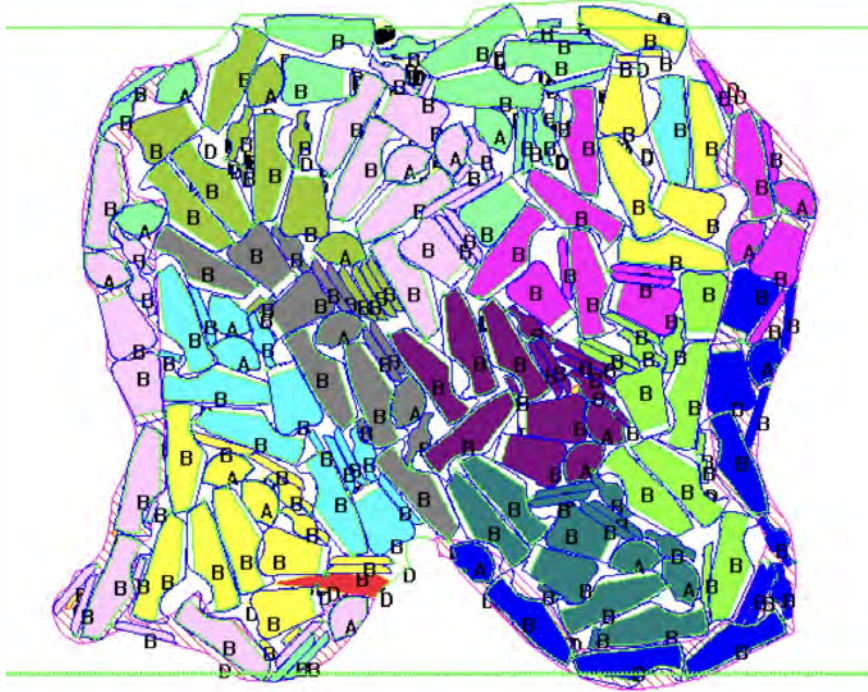
国家级技术认可  
行业内最高荣誉  
National technical  
affirmation Highest  
honor in the industry

2008年至今，全球累计 1000+真皮排版系统 & 2000+台真皮裁切机应用

Since 2008, up to 1000+ leather nesting systems & 2000+ leather cutting machines have been used worldwide.







省料，省时，利用率高，精准划分等级  
皮料可设定，分区域不同方向排版

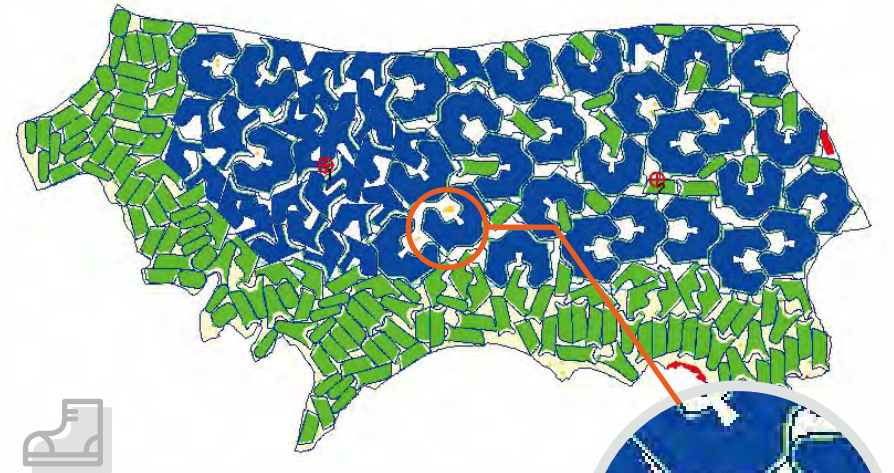
Save material, save time, high yield.  
Nesting by different zones and directions.

## 大数据智能排版

**时间优势：**智能排版技术比人工排版更快，时间比传统人工排版（裁剪）节省可达到5倍以上。  
**利用率优势：**具备深度自动学习能力的智能排版服务器，排版方案会随着学习曲线的上升而持续优化。

## New generation of AI nesting server

**Time:** Around 5 times faster than manual nesting/cutting.  
**Yield:** The nesting server will optimize the nesting result and the yield will keep growing.

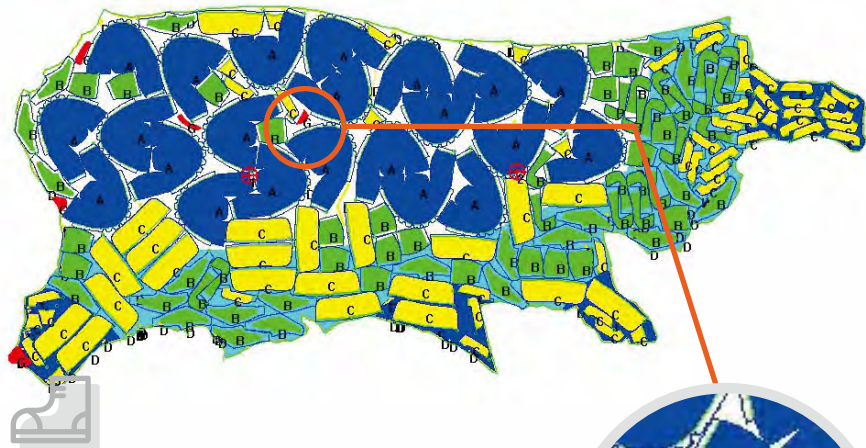


材料面积\_Area of material ■ 25.28平方英尺sqf  
净利用率\_Net utilization ratio ■ 75.4%  
A级面积\_Area of quality zone A ■ 16.68174 65.99%  
B级面积\_Area of quality zone B ■ 8.54636 33.81%  
D级面积\_Area of quality zone D ■ 0.01503 0.06%  
G级面积\_Area of quality zone G ■ 0.03575 0.14%

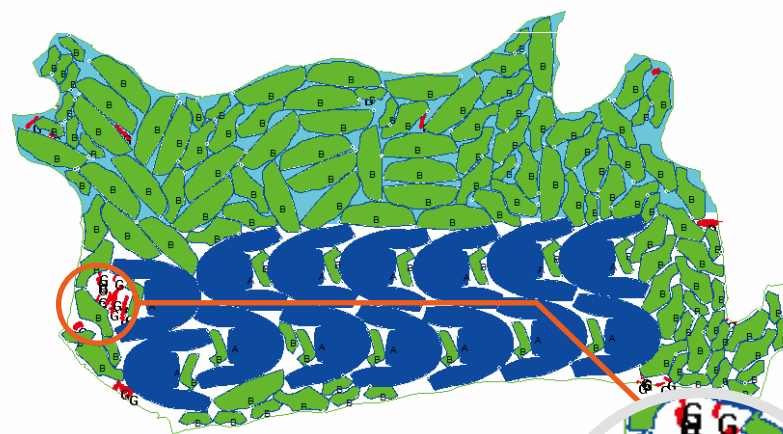


材料面积\_Area of material ■ 29.85平方英尺sqf  
净利用率\_Net utilization ratio ■ 78.3%  
A级面积\_Area of quality zone A ■ 20.35850 68.21%  
B级面积\_Area of quality zone B ■ 7.59606 25.45%  
C级面积\_Area of quality zone C ■ 1.84612 6.19%  
D级面积\_Area of quality zone D ■ 0.01882 0.06%  
E级面积\_Area of quality zone D ■ 0.00730 0.02%  
F级面积\_Area of quality zone D ■ 0.01582 0.05%  
G级面积\_Area of quality zone G ■ 0.00370 0.01%

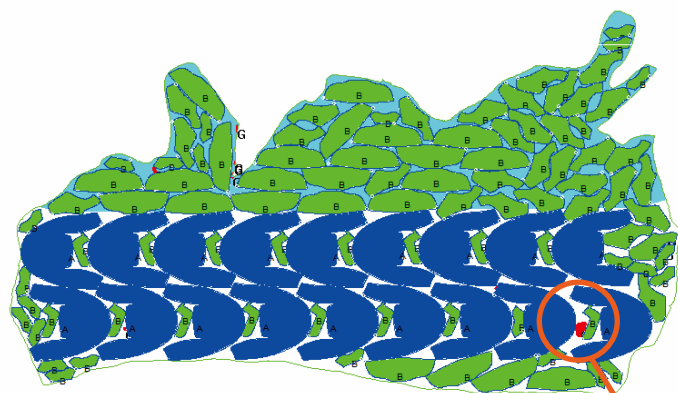




材料面积\_Area of material ■ 22.46平方英尺sqf  
 净利用率\_Net utilization ratio ■ 80.6%  
 A级面积\_Area of quality zone A ■ 13.04335 58.08%  
 B级面积\_Area of quality zone B ■ 6.85086 30.50%  
 C级面积\_Area of quality zone C ■ 2.27108 10.11%  
 D级面积\_Area of quality zone D ■ 0.21611 0.96%  
 G级面积\_Area of quality zone G ■ 0.07742 0.34%



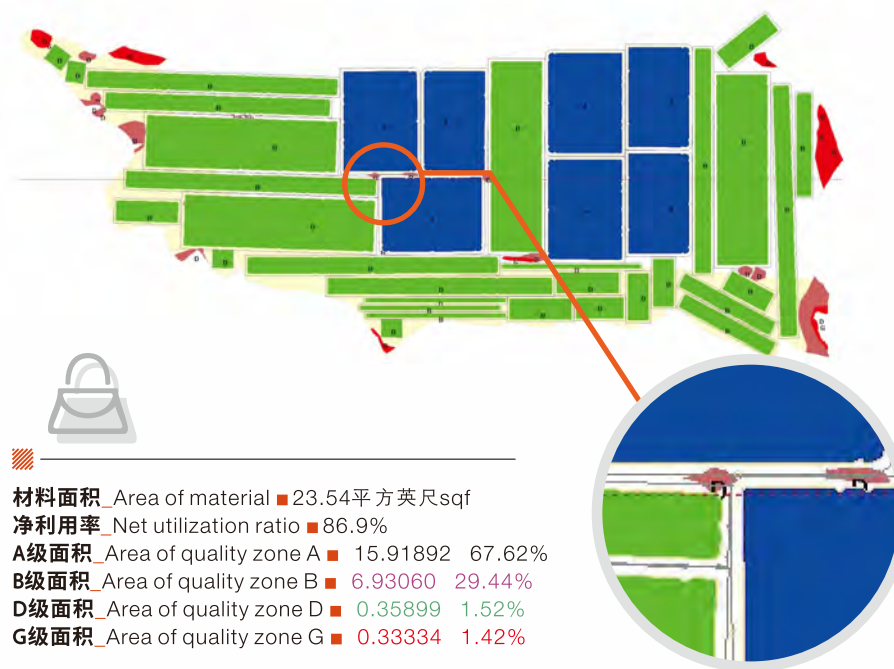
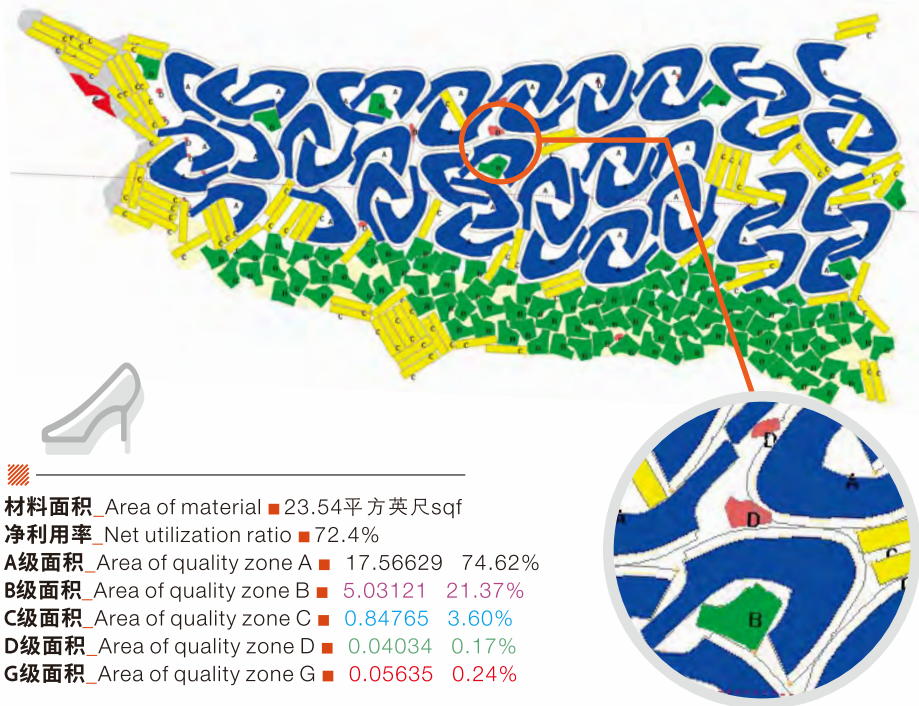
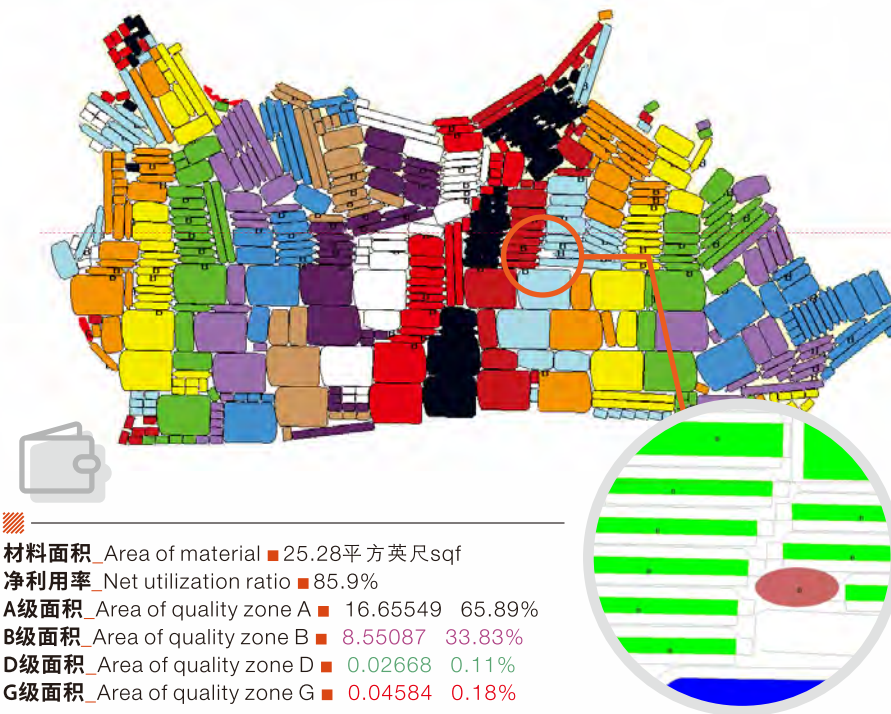
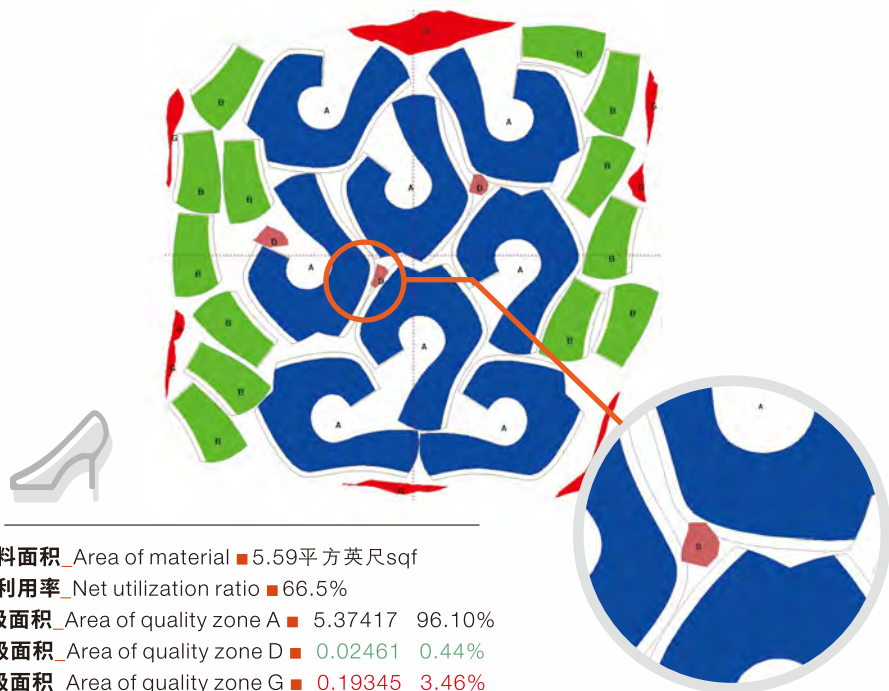
材料面积\_Area of material ■ 20.15平方英尺sqf  
 净利用率\_Net utilization ratio ■ 78.4%  
 A级面积\_Area of quality zone A ■ 11.04703 54.82%  
 B级面积\_Area of quality zone B ■ 9.02531 44.79%  
 G级面积\_Area of quality zone G ■ 0.07788 0.39%



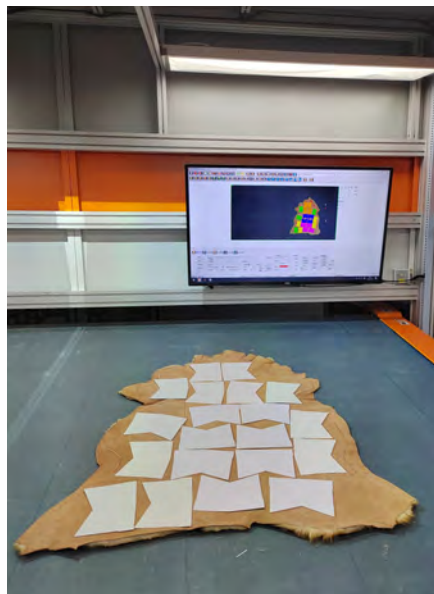
材料面积\_Area of material ■ 17.82平方英尺sqf  
 净利用率\_Net utilization ratio ■ 79.0%  
 A级面积\_Area of quality zone A ■ 11.28761 63.33%  
 B级面积\_Area of quality zone B ■ 6.51886 36.57%  
 G级面积\_Area of quality zone G ■ 0.01709 0.10%



材料面积\_Area of material ■ 22.46平方英尺sqf  
 净利用率\_Net utilization ratio ■ 80.8%  
 A级面积\_Area of quality zone A ■ 13.07733 58.23%  
 B级面积\_Area of quality zone B ■ 6.85086 30.50%  
 C级面积\_Area of quality zone C ■ 2.27108 10.11%  
 D级面积\_Area of quality zone D ■ 0.21562 0.96%  
 G级面积\_Area of quality zone G ■ 0.04393 0.20%







ipphoto  
爱拍

智能照排技术

Smart Photo-nesting Technology



材料面积\_Area of material ■ 7.46平方英尺sqf

净利用率\_Net utilization ratio ■ 76.5%

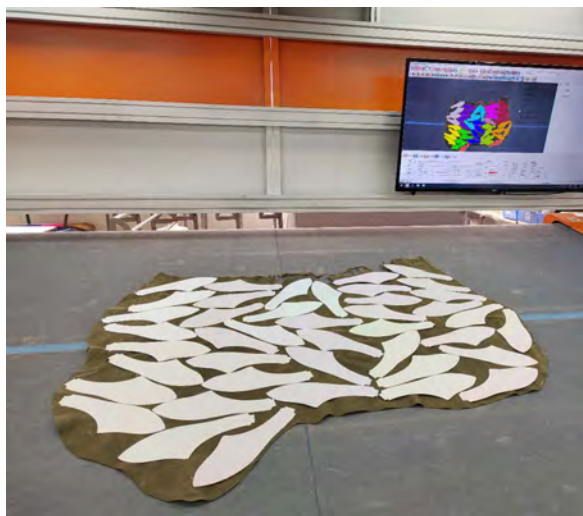
A级面积\_Area of quality zone A ■ 6.48159 86.83%

D级面积\_Area of quality zone D ■ 0.04900 0.66%

G级面积\_Area of quality zone G ■ 0.93435 12.52%

爱玛独有“人工+智能”排版技术，可真正接近人工排版效果，满足对配色、配纹、配双以及排版效率的严格要求。

EMMA's unique "artificial + intelligent" nesting technology, comparable to the nesting result of skilled workers, meet the strict requirements for color matching, pattern matching, pairs matching and high nesting efficiency.



爱玛独有“毛皮裁切技术”，真正做到裁皮不伤毛，已经被行业内广泛量产使用。

EMMA's unique "fur cutting technology", which truly cuts the leather without harming the fur, has been widely used in mass production.

# L4-6916

## 智能裁切机

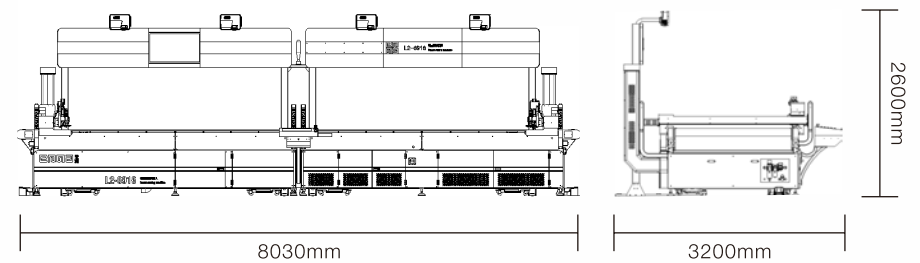
Smart cutting machine

行业首创：  
四刀头+双向流道设计机型

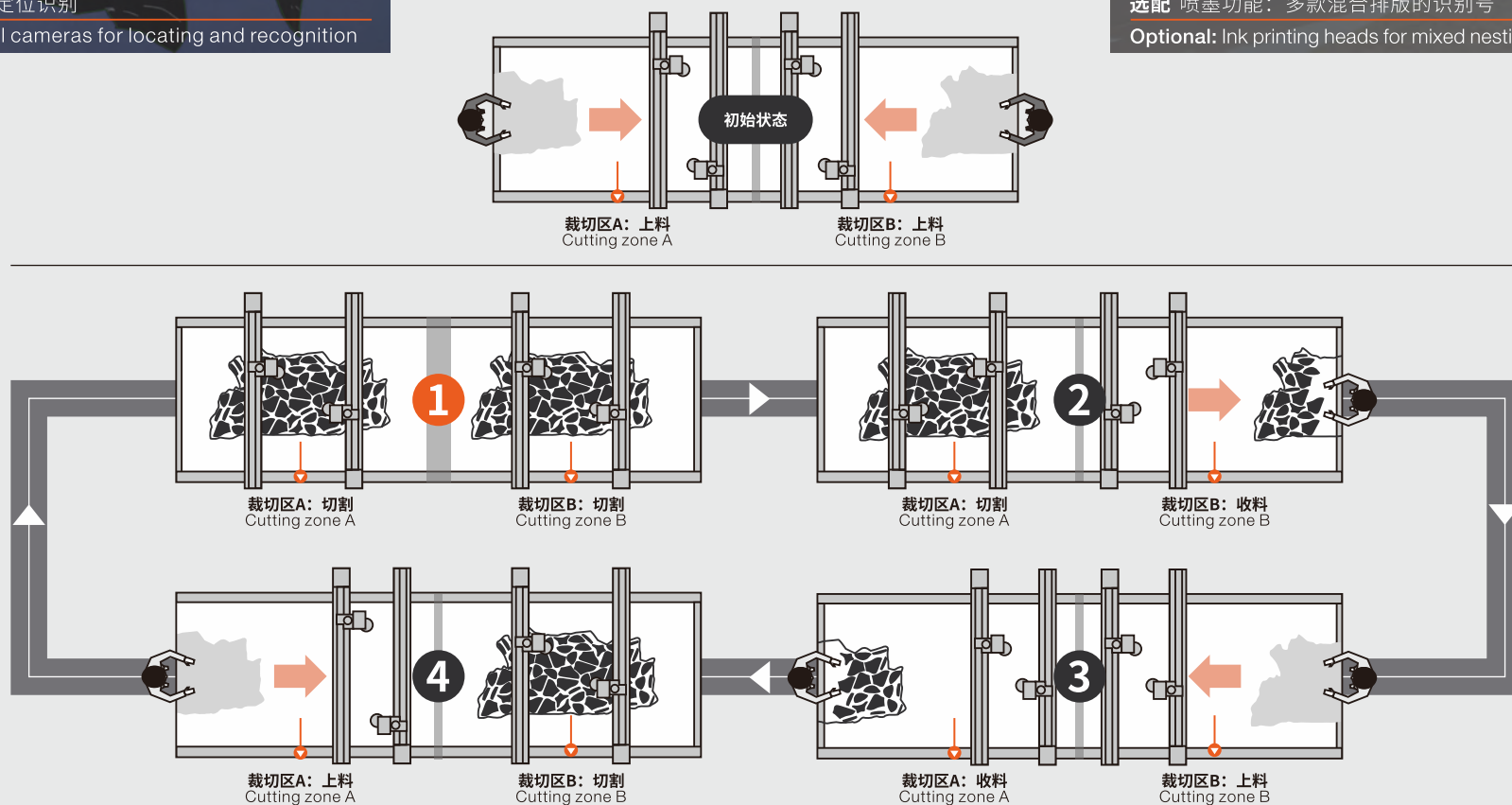
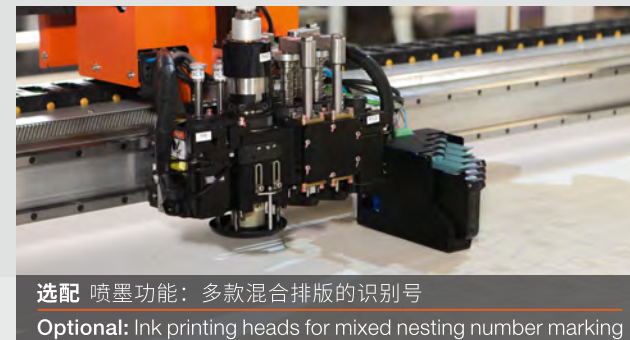
First in the Industry:  
4 cutting heads with two separated conveyers



机器尺寸\_dimension ■ (L) 9000mm x (W) 3400 mm x (H) 2800mm  
裁切面积\_cutting area ■ (L) 3250mm x (W) 1550mm + (L) 3250mm x (W) 1550mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 4900KG  
总功率\_total consumption ■ 37KW







- 四刀头异步同时裁切，冲孔，划线。
- 双区共四个高清投影系统显示。
- 裁切，检片分段进行，左右双向各自独立传送结构设计。
- 产能看板实时显示，联机操作。
- 分区真空吸附。
- 标配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。

- Four cutting heads working independently for cutting, punching and lining.
- Dual zone high-definition projection system display with high accuracy.
- Cutting and collecting at the same time, independent transmission structure for both left and right areas
- Photography, leather recognition, auto nesting.
- Production display, interconnected operation on multiple machines. Vacuum in sections.
- "iclean" punching suction system, automatic absorption and collection of punching debris.

—— 相关机型视频请扫码观看 ——



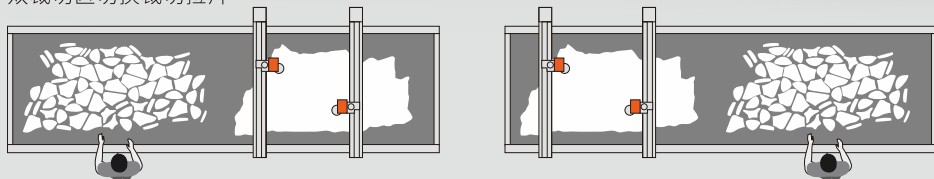
官方号 VIDEO



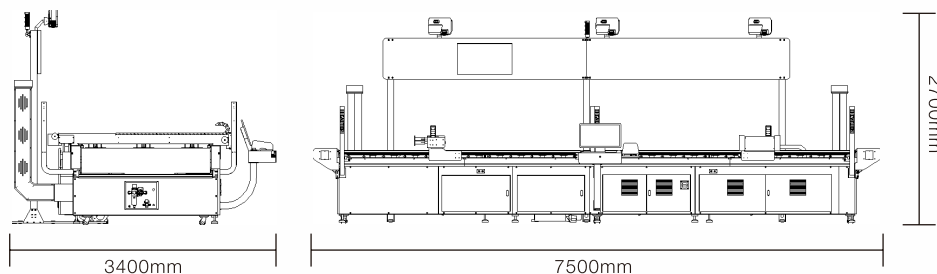
公司号 VIDEO



双裁切区切换裁切捡片



Alternating Cut-Collecting Sections



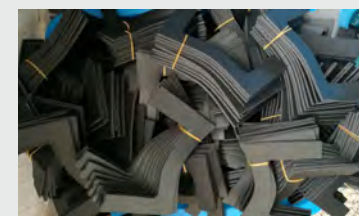
# L2-5916

## 智能裁切机

### Smart cutting machine

- 双刀头异步同时裁切，冲孔，划线。
- 裁切，检片同时进行。
- 标配三个高清投影显示。
- 标配防撞杆防护方式，保障人员安全。
- 产能看板实时显示，联机操作。
- 分区真空吸附。
- 选配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。

- Two cutting heads working independently for cutting, punching and lining.
- Cutting and inspecting at the same time.
- Triple projection display.
- Anti-collision system and grating safety device.
- Production display, interconnected operation on multiple machines.
- Vacuum in sections.
- "Iclean" punching suction system, automatic adsorption and collection of punching debris optional.



真皮/辅料均可裁切 Can cut leather/synthetic material

机器尺寸\_dimension ■ (L) 7500mm x (W) 3400 mm x (H) 2700mm  
 裁切面积\_cutting area ■ (L) 5980mm x (W) 1550mm  
 工作电压\_voltage ■ AC380V ±5% 50/60HZ  
 整机重量\_weight ■ 3306KG  
 总功率\_total consumption ■ 33KW



# L2-6016T

## 智能裁切机

### Smart cutting machine

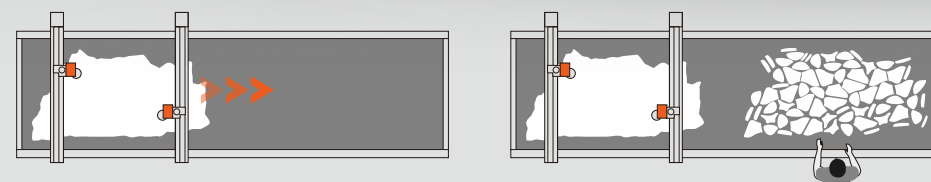
- 双区高清投影系统。
- 双刀头异步同时裁切，冲孔，划线。
- 裁切，检片同时进行。
- 标配防撞杆或选配光栅安全装置，安全防护，保障人员安全。
- 产能看板实时显示，联机操作。
- 选配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。

- Dual zone high-definition projection system display with high accuracy.
- Two cutting heads working independently for cutting, punching and lining.
- Cutting and inspecting at the same time.
- Anti-collision system and grating safety device.
- Production display, interconnected operation on multiple machines.
- "iclean" punching suction system, automatic adsorption and collection of punching debris optional.

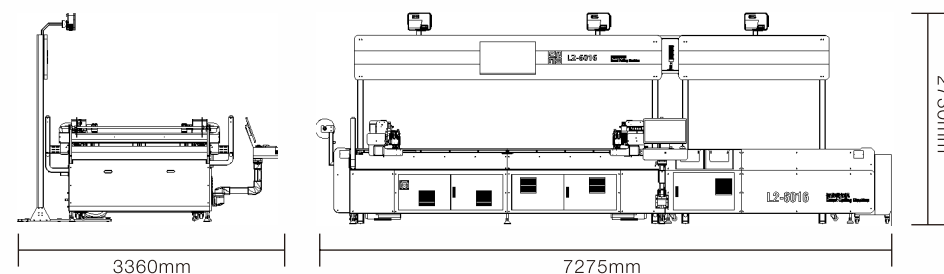
机器尺寸\_dimension ■ (L) 7400mm x (W) 3300mm x (H) 2700mm  
裁切面积\_cutting area ■ (L) 2960mm x (W) 1550mm  
工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ  
整机重量\_weight ■ 2534KG  
总功率\_total consumption ■ 20KW



单裁切区同步裁切捡片



Synchronous cutting and collecting in single cutting area



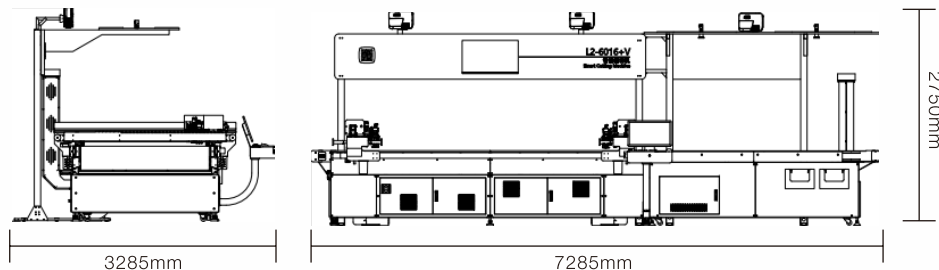
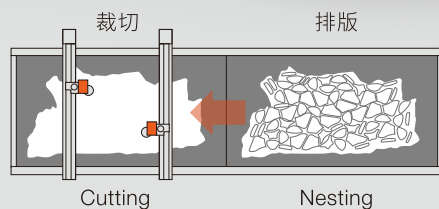
—— 相关机型视频请扫码观看 ——



官方号 VIDEO



公司号 VIDEO



# L2-6016T+V

## 智能裁切机

## Smart cutting machine

- 双区高清投影系统。
  - 双刀头异步同时裁切，冲孔，划线。
  - 裁切，检片同时进行。
  - 标配防撞杆或选配光栅安全装置，安全防护，保障人员安全。
  - 视觉识别，皮革瑕疵识别，智能排版，皮革自动传送。
  - 选配皮革颜色标识系统。
  - 产能看板实时显示，联机操作。
  - 选配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。
- Dual zone high-definition projection system display with high accuracy.
  - Two cutting heads working independently for cutting, punching and lining.
  - Cutting and inspecting at the same time.
  - Anti-collision system and grating safety device.
  - Visual recognition for leather defects and auto nesting.
  - Optional: leather color recognition system.
  - Production display, interconnected operation on multiple machines.
  - "iclean" punching suction system, automatic adsorption and collection of punching debris optional.

机器尺寸\_dimension ■ (L) 7285mm x (W) 3285 mm x (H) 2750mm

裁切面积\_cutting area ■ (L) 2960mm x (W) 1550mm

工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ

整机重量\_weight ■ 2534KG

总功率\_total consumption ■ 20KW



# H2-315

## 智能裁切机

### Smart cutting machine

2021年最新推出的经典之作(2011年)全新配色升级机型,  
特有斜面操作区设计,操作便利,  
适合羊皮、猪皮、全张小牛、半张中大牛皮的裁切,  
性价比高,机器使用率85%以上,  
经典工业设计风格,是最多企业选择的真皮量产裁切机型之一。

The upgrade version with new appearance launched in 2021(2011 classic model),  
inclined platform design, easy to operate.  
Suitable for sheep skin, pig skin, calf skin, full cow skin.  
High productivity, more than 85% utilization,  
classic design, one of the best-selling machines  
for automatic leather mass production.

机器尺寸\_dimension ■(L) 4500mm x (W)3300 mm x (H)2750mm

裁切面积\_cutting area ■(L)3120mm x (W)1210mm

工作电压\_voltage ■AC380V ±5% 50/60HZ

整机重量\_weight ■1974KG

总功率\_total consumption ■18KW





投资样品室智能裁切机对客户的六大价值

- 1 减少刀模，便于应对复杂多样的打样订单，减少试制产品、开发打样、产品试销样、产品确认样、小订单产品的刀模浪费；
- 2 交期更短，减少传统样品制作方式引起的各种时间浪费；
- 3 高精度，高品质，高效率，样品制作更精美，提高接单率；
- 4 数字化管理，存储、调取、修改方便容易，跨地区、跨国沟通成本低及方便；
- 5 创建“开发前置”作业模式，为工业4.0智造时代的“自动化制鞋核心资源——数据源”做准备；
- 6 更容易培养新人，并可人的经验及企业的经验易于保存及传承。

The investment values of digitizing samples room

- 1 Save die cut molds, more flexible, reduce the waste of die molds for trial production, development and proofing, product trial sales samples, product confirmation samples, and small order products;
- 2 Time saving, reduce modification;
- 3 High precision, high quality, high efficiency, high quality.
- 4 Digital management, Communication between facilities in different regions/countries is cheaper and easier; Much easier to store, retrieve and modify designs/files;
- 5 "R&D first", prepare for "the core of automation-data source" in the time of industry 4.0. Build the "constantly improving platform"
- 6 Easier to train staffs, save and pass along the experiences







官方号 VIDEO



公司号 VIDEO

# C-906+V

## 视觉识别自动裁切机

### Visualized Auto cutting machine

2023年最新推出的专为国际品牌运动鞋类研发中心设计的多功能数字化样品室打样机型，具有视觉识别裁切功能，有效解决打样过程中“改刀工艺”需求，节省时间及制作刀模费用。

The newest machine for international brand sports shoes digital sample room launched in 2023, visual recognizing function, solve the recutting problems during sample making, save time and cutting die cost.

## C-906

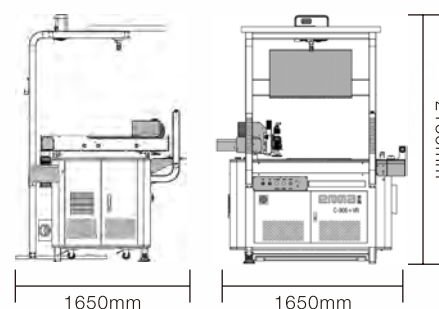
### 自动裁切机

#### Automatic cutting machine

2023年最新推出的数字化样品室机型（2020年升级第二代）性价比极高，通用性强，精巧尺寸，220伏电压，可进驻城市内写字楼，适合各种贸易公司、开发中心的样品室使用，时尚工业设计风格，是最多企业选择的样品室裁切机型。

The newest machine for digital sample room launched in 2023 (The 2nd generation of 2020 classic model), cost-effective, compact in size, 220 volts. Suitable for office buildings in the city and sample rooms of various trading companies and development centers. Fashionable industrial design, the most companies choose for sample room smart cutting

机器尺寸\_dimension ■ (L) 1650mm x (W) 1650 mm x (H) 2160mm  
裁切面积\_cutting area ■ (L) 820mm x (W) 600mm  
工作电压\_voltage ■ AC220V ±5% 50/60HZ  
整机重量\_weight ■ 497KG  
总功率\_total consumption ■ 4KW



# C-1510

## 自动裁切机

Automatic cutting machine

B款 Model B



A款 Model A



2023年最新推出的经典之作（2009年升级第三代）全新配色升级机型，性价比高，务实工业设计风格，是最多企业选择的真皮小量产/样品室裁切机型。

The upgrade version with new appearance launched in 2023 (The 3rd generation of 2009 classic model), cost-effective, pragmatic design, ideal machine for small quantity leather mass production cost-effective, pragmatic design, ideal machine for small quantity leather mass production.

机器尺寸\_dimension ■ (L) 2630mm x (W) 3025mm x (H) 2520mm

裁切面积\_cutting area ■ (L) 1470mm x (W) 1000mm

工作电压\_voltage ■ AC380V ±5% 50/60HZ

整机重量\_weight ■ 1090KG

总功率\_total consumption ■ 10.5KW



# C-1510+V

## 视觉识别智能裁切机

Visualized automatic cutting machine



- 单个高清投影显示精准定位。
- 裁切，冲孔，划线同时进行。
- 全新设计，一体式机架，稳定性高，便于安装。
- 标配防撞杆安全装置，保障人员安全。
- 标配工业相机，方便视觉识别改刀功能，及皮革数字化。
- 联机操作。
- 选配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。

- Single projection display for precise positioning and quick sorting.
- Cutting, punching and drawing at the same time.
- New Integrated structure, high stability, easy to install.
- Grating safety device.
- Industrial camera for visual recognition and leather digitization.
- Interconnected operation on multiple machines.
- Optional: "iclean" punching suction system, automatic adsorption and collection of punching debris optional.

机器尺寸\_dimension ■ (L) 2621mm x (W) 2683mm x (H) 2478mm

裁切面积\_cutting area ■ (L) 1470mm x (W) 1000mm

工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ

整机重量\_weight ■ 1090KG

总功率\_total consumption ■ 10.5KW



# X1-1216C-P

## 智能裁切机

Smart cutting machine



- 单个高清投影显示精准定位。
- 裁切，冲孔，划线同时进行。
- 全新设计，一体式机架，稳定性高，便于安装。
- 标配光栅安全装置，保障人员安全。
- 选配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。
- 联机操作，自动传送。

- Single projection display for precise positioning and quick sorting.
- Cutting, punching and drawing at the same time.
- New Integrated structure, high stability, easy to install.
- Grating safety device.
- "Iclean" punching suction system, automatic adsorption and collection of punching debris.
- Interconnected operation on multiple machines and auto transmission.

机器尺寸\_dimension ■ (L) 3820mm x (W) 3410mm x (H) 2750mm

裁切面积\_cutting area ■ (L) 1160mm x (W) 1550mm

工作电压\_voltage ■ AC380V ±5% 50/60HZ

整机重量\_weight ■ 996KG

总功率\_total consumption ■ 10.5KW

# X1-1216C-P+V

## 视觉识别智能裁切机

Visualized smart cutting machine



- 单个高清投影显示精准定位。
- 裁切，冲孔，划线同时进行。
- 视觉识别裁切功能，方便视觉识别改刀功能（视觉识别范围：800 X1200或600 X1600mm）。
- 全新设计，一体式机架，稳定性高，便于安装。
- 标配光栅安全装置，保障人员安全。
- 选配核心技术“爱洁”冲孔后吸料技术，冲孔碎屑自动吸附收集，保持裁切区域洁净。
- 联机操作，自动传送。

- Single projection display for precise positioning and quick sorting.
- Cutting, punching and drawing at the same time.
- Visual recognition for second cuts (VS area: 800\*1200mm or 600\*1600mm).
- New Integrated structure, high stability, easy to install.
- Grating safety device.
- Optional: "Iclean" punching suction system, automatic adsorption and collection of punching debris.
- Interconnected operation on multiple machines and auto transmission.

机器尺寸\_dimension ■ (L) 3820mm x (W) 3150mm x (H) 2580mm

裁切面积\_cutting area ■ (L) 1160mm x (W) 1550mm

工作电压\_voltage ■ AC380V ±5% 50/60HZ

整机重量\_weight ■ 1301KG

总功率\_total consumption ■ 10.5KW

# L2-2216

## 智能裁切机

Smart cutting machine



- 单投影显示
- 双头异步，同时裁切
- 2个或4个冲孔组件选择
- 多层规则材料+单层真皮裁切
- 分区真空吸附
- 自动传送
- 产能显示
- 联机操作
- 1 projector
- 2 cutting heads working independently
- 2 or 4 punching tools optional
- Multi-layers synthetic & Leather cutting
- Vacuum in sections
- Auto transmission
- Production display
- Interconnected operation on multiple machines

机器尺寸\_dimension ■(L) 3660mm x (W)3304mm x (H)2522mm

裁切面积\_cutting area ■(L)2160mm x (W)1550mm

工作电压\_voltage ■AC380V ±5% 50/60HZ

整机重量\_weight ■1478KG

总功率\_total consumption ■ 20KW



# L2-2216-C

## 智能裁切机

Smart cutting machine



- 双投影显示
- 双头异步，同时裁切
- 2个或4个冲孔组件选择
- 多层规则材料+单层真皮裁切
- 分区真空吸附
- 自动传送
- 裁切，捡片同步进行
- 产能显示
- 联机操作
- 2 projectors
- 2 cutting heads working independently
- 2 or 4 punching tools optional
- Multi-layers synthetic & Leather cutting
- Vacuum in sections
- Auto transmission
- Cutting and collecting at the same time
- Production display
- Interconnected operation on multiple machines

机器尺寸\_dimension ■(L) 5650mm x (W)3550mm x (H)2670mm

裁切面积\_cutting area ■(L)2160mm x (W)1550mm

工作电压\_voltage ■AC220V 60HZ | 380V 50HZ

整机重量\_weight ■1807KG

总功率\_total consumption ■ 20KW



## L2-6816

智能裁切机  
Smart cutting machine



机器尺寸\_dimension ■(L) 7950mm x (W) 3200 mm x (H)2600mm  
裁切面积\_cutting area ■ (L)3320mm x (W)1550mm x 2  
工作电压\_voltage ■AC380V ±5% 50/60HZ  
整机重量\_weight ■ 3306KG  
使用功率\_service power ■ 37KW/47KW

## L2-6716

智能裁切机  
Smart cutting machine



机器尺寸\_dimension ■(L) 8000mm x (W) 3400 mm x (H)2700mm  
裁切面积\_cutting area ■ (L)3320mm x (W)1550mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 2763KG  
总功率\_total consumption ■ 20KW

## L2-3316

智能裁切机  
Smart cutting machine



机器尺寸\_dimension ■(L) 5127mm x (W) 3343 mm x (H)2572mm  
裁切面积\_cutting area ■ (L)3320mm x (W)1550mm  
工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ  
整机重量\_weight ■ 2141KG  
总功率\_total consumption ■ 20KW

## L2-3016

智能裁切机  
Smart cutting machine



机器尺寸\_dimension ■(L) 4766mm x (W) 3480mm x (H)2485mm  
裁切面积\_cutting area ■ (L)2960mm x (W)1550mm  
工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ  
整机重量\_weight ■ 2058KG  
总功率\_total consumption ■ 20KW

## C-2510

自动裁切机  
Automatic cutting machine



机器尺寸\_dimension ■(L) 3600mm x (W) 3100mm x (H)2800mm  
裁切面积\_cutting area ■ (L)2440mm x (W)1000mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 1277KG  
总功率\_total consumption ■ 10.5KW

## C-3112

自动裁切机  
Automatic cutting machine



机器尺寸\_dimension ■(L) 4150mm x (W) 3395mm x (H)2550mm  
裁切面积\_cutting area ■ (L)3110mm x (W)1210mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 1430KG  
总功率\_total consumption ■ 18KW

# S2-6616-P

智能裁切机

Smart cutting machine



片材, 大分片 (安全鞋防水袜套、运动鞋/女靴, 手袋, 运动护具等) 智能裁切的首选机型。

Suitable for Big pieces (Waterproof socks of safety shoes, sports shoes/long boots lining, handbag, sports ware and so on)

机器尺寸\_dimension ■(L) 6500mm x (W) 3410 mm x (H)2600mm

裁切面积\_cutting area ■(L)2160mm x (W)1550mm

工作电压\_voltage ■ AC380V ±5% 50/60HZ

整机重量\_weight ■ 2199KG

总功率\_total consumption ■ 18.5KW



# S1-5716-P

智能裁切机

Smart cutting machine



大分片 (时尚手袋, 运动护具, 文具用品等) 智能裁切的首选机型。

Suitable for big pieces (handbag, sports ware, Stationery industry and so on)

机器尺寸\_dimension ■(L) 5670mm x (W) 3200 mm x (H)3100mm

裁切面积\_cutting area ■(L)1560mm x (W)1550mm

工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ

整机重量\_weight ■ 1779KG

总功率\_total consumption ■ 18KW





# S1-4716-P

智能裁切机

Smart cutting machine



适合少量多样订单模式/大量生产的补数或小量补单裁切需求的企业。  
Suitable for small order of varied models/makeup the discarded or missing pieces in a big order.

机器尺寸\_dimension ■ (L) 4480mm x (W) 3375mm x (H) 2800mm  
裁切面积\_cutting area ■ (L) 1160mm x (W) 1550mm  
工作电压\_voltage ■ AC380V ±5% 50/60HZ  
整机重量\_weight ■ 1433KG  
总功率\_total consumption ■ 11.5KW



# L1-6016

智能裁切机

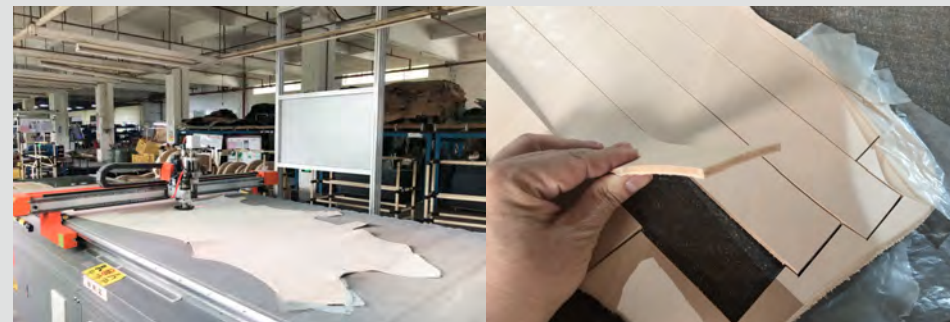
Smart cutting machine



2023年最新推出的全新一代（2016年升级第三代）机型，  
一体式机架设计，性能可靠，性价比高，机器使用率90%以上，  
全物料裁切模式，适合皮带、小皮件、鞋类等行业中小批量生产使用，  
时尚工业设计风格，是入门级多功能真皮量产裁切机型。

The upgrade version launched in 2023(The 3rd generation of 2016 classic model),  
integrated rack design, reliable and high productivity, more than 90% utilization,  
suitable for belt, small leatherware, shoes and so on Middle-small production,  
pragmatic design, entry-level machine for automatic leather mass production.

机器尺寸\_dimension ■ (L) 7280mm x (W) 3360 mm x (H) 2730mm  
裁切面积\_cutting area ■ (L) 2960mm x (W) 1550mm  
工作电压\_voltage ■ AC220V 60HZ | 380V 50HZ  
整机重量\_weight ■ 2454KG  
总功率\_total consumption ■ 19KW





# 前瞻研发 技术领先 R&D

爱玛拥有二十五项注册的核心技术；先后申请并授权发明专利、实用新型专利、外观专利合共104项，软件著作权25项。研发及工程技术人员约占员工总人数30%，研发投入超过年营业收入的5%；爱玛现有一个市级工业设计中心，一个工程中心，两个研发中心，同步研发软件及相关硬件设备，并设有前瞻研发中心，主要研究客户所在行业发展趋势及本行业未来3-5年发展的基础研究，把握客户行业的发展需求，提前布局深度解决方案，使爱玛居全球同行业的领先地位。

EMMA possesses 25 registered core technologies, 104 patents including invention, practical and appearance and 25 software copyrights. R&D and engineering technicians account for about 30% of the total employees and the annual R&D investment exceeds 5% of the annual operating income. EMMA currently has a municipal industrial design center, an engineering center and two R&D centers. Simultaneously develop software and related hardware equipment. Prospective R&D center, mainly research the development trend of the customer's industry and smart cutting industry development in the next 3-5 years, and lay out in-depth solutions in advance. To ensure Emma's product technology hold a global leader in the industry.





**ianalyze**  
爱析

### 数据分析

爱玛裁切数据智能分析技术——裁切进程的实时智能导出数据包含：指令型实时完成情况、裁切机实时工作状态、裁切机稼动率、操作员每个操作流程效率、不良统计等实时信息。并提供多个图形表格显示：形体产量、机器OEE、单机产量，时间段产量等多种分析数据，以供管理者参考。

#### Big data analysis

Data for real time cutting progress exporting: real time progress of each shoe style, working status of each cutting machine, activation of each machine, efficiency of operator, statistics of unqualified pieces. And provide multiple graphical tables to display: pattern output, machine OEE, machine output, and other analysis data for the reference of managers.



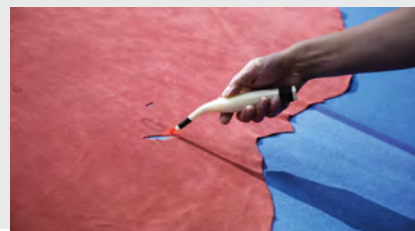
**iphoto**  
爱拍

### 皮革拍照识别技术

通过千万级高清数码相机和镜头瞬间拍摄照片，真实可见皮料的实际形状和瑕疵等细节。

#### Leather recognition technology

Instant photography through ten millions HD digital cameras and shots, making the leather's actual shape and defects visible.



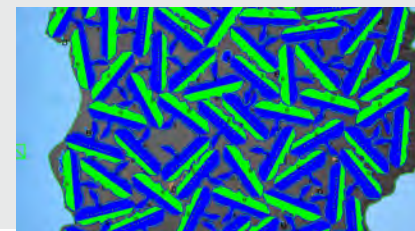
**imarks**  
爱唛

### 电子笔标识技术

爱玛首创手绘式数字化皮革识别技术，可手绘识别天然皮革瑕疵、灵活区分各种皮革部位的等级，快速在2—4分钟内完成一张60平方尺以内天然皮革的数字化定义。

#### Electronic pen technology

EMMA's unique recognition technique with touch screen. Can mark the defects and zones of different grades on leather. Finishing nesting on a 60 sq feed leather within 2-4 minutes.



**identify**  
爱识

### 皮革瑕疵识别技术

爱玛独有的智能皮料识别技术，通过高清照片快速准确识别皮料轮廓和标识瑕疵。

#### Leather defects recognition technology

EMMA's unique leather identification technique, fast recognize leather shape and mark defects through high-definition photos.



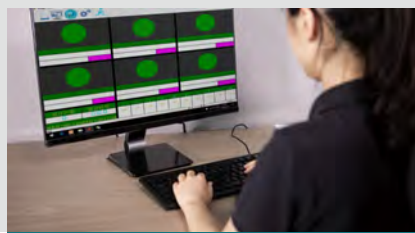
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爱容

### 数据转换

爱玛独有的软件数据格式转换技术，能兼容市场上绝大部分主流CAD软件格式，无差异，不变形，降低客户的系统转换成本。

#### Data conversion

EMMA's unique format converse technique Which is compatible with the major software in the market, undifferentiated, non-deformation, save system conversion cost for customers.



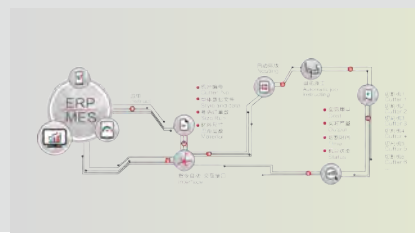
**iwork**  
爱沃

### 数据对接

爱玛智慧工作系统，无缝对接客户ERP/MES信息系统，自动导入/导出裁切实时数据，并提供分析工具助客户实时掌握全面资讯。

#### Data integration

EMMA's intelligent working system, seamless connect with customer's ERP/MES system, auto import/export real time data, help customer to get Comprehensive information by analysis tools.



**idispatch**  
爱派

### 智能派单

智能派单技术——爱玛针对建立全物料智能裁切中心，拥有多种机台规模应用的企业，提供智能派单技术，实现排程满负荷率，材料齐套率，材料耗用率最优化。

#### Smart dispatching

Smart order dispatching technology — EMMA provides intelligent order dispatching technology, help customer to establish a full-material smart cutting center, and achieve the full rate of scheduling, the rate of complete sets of materials, and the lowest material consumption rate.



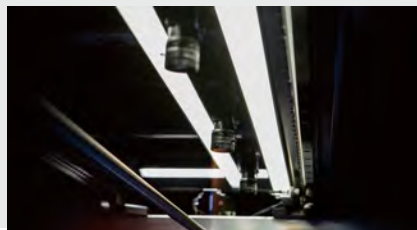
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爱智

### 智能排程

爱玛“Smart cutting 4.0智能裁切模式”中智能派单、智能排程技术，使“个性化大规模订制模式”成为可能，极大地优化了生产效率。

#### Smart Scheduling

EMMA's "Smart cutting 4.0" intelligent order dispatching & scheduling technology make the "customization-in-volume mode" possible and greatly optimize production efficiency.

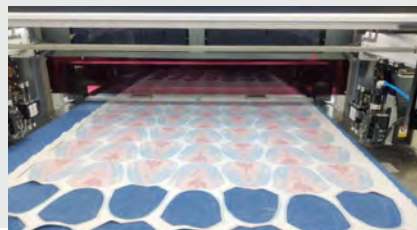


#### 皮革扫描识别技术

爱玛新一代的皮革阵列相机扫描技术，能扫描出皮革的瑕疵、轮廓、面积数据等，能快速而清晰地将皮革数字化。

#### Leather scanning recognition technology

EMMA'S new generation technique of leather array camera scanning, which can scanning the defects, profile, area and so on data, digitalize leather fast and clearly.

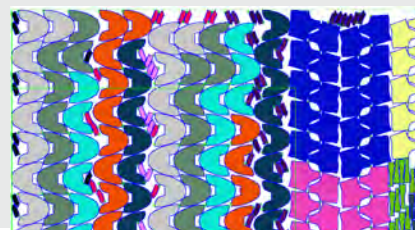


#### 图案视觉识别技术

爱玛全新研发的视觉识别技术，能视觉识别裁切部件里的图案，提取特征，准确识别并智能裁切。

#### Visualized technology

EMMA's new technique to vision recognition, can identify the patterns in the cutting parts, extract features, recognize and cut precisely.

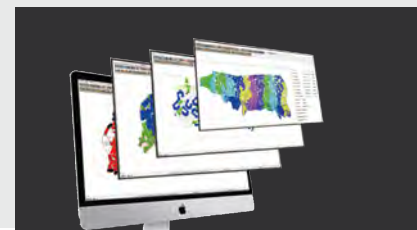


#### 皮革智能排版技术

爱玛独有的全自动皮革排版技术，比手动排版节省90%的时间，能比手工排版提升1%~6%的皮革利用率。

#### Leather nesting technology

EMMA's unique nesting technique save 90% time of work and increases 1%-6% the utilization ratio when compare to manual nesting.



#### 连续排版技术

爱玛首创多核云端智能运算技术，比“inesting爱添自动皮革排版技术”提升2-4倍运算速度，最多可比手工排版提升1-6%的皮革利用率。

#### Continuous nesting technology

A new multiple-core Cloud technique created by EMMA, 2-4 times faster than inesting, increase 1-6% of utilization ratio compared with manual nesting.



#### 五配真皮排版技术

爱玛针对鞋类的真皮配色/配纹需求，最新研发的智能排版技术，可实现智能配双排版，媲美熟练工人的排版经验，实现行业的应用突破。

#### Five matching nesting technology

Aiming at the leather color/pattern matching requirements of footwear, EMMA's newly developed technology, comparable to the nesting result of skilled workers.

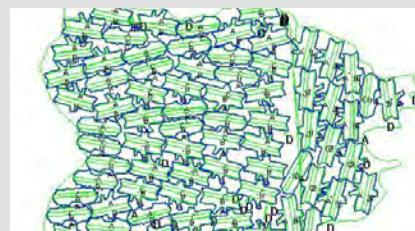


#### 双轮廓排版技术

爱玛双轮廓智能排版技术。本技术通过对：1) 皮革轮廓边缘进行分级设定，2) 内部部件边缘不同区位设定排版刀距，能够在有效控制裁切良品率的基础上提高皮革排版利用率。

#### Double-outline nesting technology

This technology can improve the utilization rate on the basis of effectively controlling the cutting quality through: 1) the edge of the leather outline in grades, 2) set the nesting knife distance in different positions on the edge of the internal parts.



真皮方向线 + 核心区设定排版技术  
Leather direction  
+ Core area setting technology

爱玛根据部分裁片需要针对皮革延伸方向排版而开发的定向皮革技术，可在一张皮革内实现多种指定方向的部件组合智能排版。

Developed for nesting in the direction of leather extension, realize the nesting of the combination of parts with multiple specified directions in a piece of leather.



#### 高速刀杆

爱玛独有的数控加速运算技术，比普通同类机型生产速度快15%以上，提高生产效率。

#### High speed cutting tool

EMMA's unique CNC mathematical technique works 15% faster than similar machines in the market, increase the work efficiency.





### 变频节能技术

爱玛独有的节能技术，比普通同类型节能30%。

#### Frequency conversion energy saving technology

EMMA'S unique power saving technique save 30% energy than the similar machines in the market.



### 并线裁切技术

爱玛首创智能合并线条技术，最大程度减少刀头移动路径，明显提高切割效率。

#### Parallel cutting technology

EMMA's unique technique to merge lines, decrease the cutting heads moving distance maximum, improve cutting efficiency significantly.



### 超高层裁切技术

爱玛国际领先的高层裁切技术，可以裁切70毫米以内的蓬松性材料，30毫米以内的坚实性多层柔性材料。

#### Super multiply cutting technology

EMMA international's leading multiply cutting technology can cut fluffy materials within 70 mm and solid multiply flexible materials within 30 mm.



### 自动对刀技术

爱玛智能裁切机自动对刀技术。本技术通过安装对刀结构，用软件对更换刀片后进行快速自动校正下刀基准，节省人工校正时间，减少人为操作的失误，有效延长切割垫使用寿命并提高工作效率。

#### Automatic knife calibration technology

This technology installs the knife calibration structure and uses software to do knife calibration after replacing the blade quickly and automatically, saving manual correction time, reducing human error, effectively extending the service life of the cutting mat and improving work efficiency.

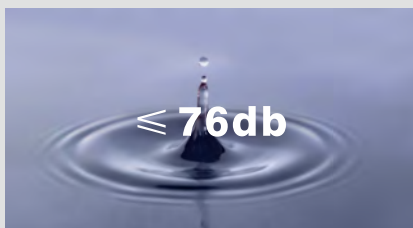


### 多层精细裁切技术

爱玛国际领先的多层裁切技术，可以裁切40毫米以内的海绵，25毫米以内的蓬松性材料，10毫米以内的坚实性多层柔性材料。

#### Multiply precise cutting technology

EMMA international's leading multiply cutting technology can cut sponges within 40 mm, fluffy materials within 25 mm, and solid multiply flexible materials within 10 mm.



### 静音技术

爱玛特有的静音裁切技术，仅有72-76分贝。

#### Low noise technology

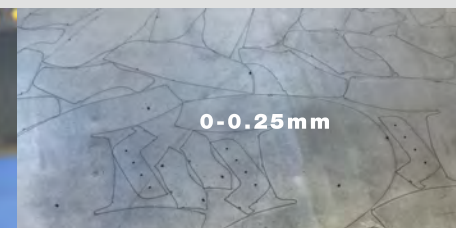
EMMA's unique technique for "mute" cutting, only 72-76 decibels.



### “双鱼星座”刀座

爱玛全新一代拥有“发明专利”的一体式裁切刀座。“双鱼星座”刀座具备七个工具(分别为不同冲孔直径的冲刀四组，定针孔一组，划线笔一组，裁切刀一组)，该刀座由精密丝杆控制上下动作，具有噪音少，位置精准，速度快，冲孔品质高等优点，将配置在爱玛的“胜利者”、“开创者”、“先行者”系列高端机型上。

爱玛针对真皮类、TPU类薄型材料，根据裁片的品质要求可以设定0-0.25mm实现超小刀距裁切，最大程度节省材料耗用。



### "Pisces" cutting head

EMMA's new generation of integrated cutting head with "invention patent". The "pisces" knife have seven tools (four punching knives with different diameters, one pinholes tool, one set of pen, and one set of cutting knives).it is controlled by a precision screw. Low noise, precise position, fast speed, and high punching quality. It will be configured on EMMA's "victor", "pioneer" and "pathfinder" series of high-end models.

For leather and TPU materials, EMMA can set 0-0.25 mm knife distance according to the quality requirements to save material consumption to the greatest extent.



**iclean**  
爱洁

#### 爱玛冲孔吸附核心技术

该技术解决全球多层物料冲孔细屑侧漏造成污染材料与环境的行业难题，专利结构从顶部吸附冲孔细屑，保持冲孔效果，同时避免细屑侧漏污染材料与环境。

#### EMMA punching adsorption technology

This technology solves the global industry problem of material and environment pollution caused by side leakage of fine chips from punching multiply materials. The patented structure absorbs punching chips from the top to maintain the punching effect while avoiding side leakage of fine chips from polluting materials and the environment.



**icollect**  
爱捡

#### 爱玛多功能检片技术

可以在裁切完成的皮革上投影显示：同部位、同码数、同双数、同套数等多种检片方式，自由切换，有利于裁片便利收集整理。

#### EMMA's multifunctional collecting technology

Projection display on the cut leathers: the same part, the same size, the same pairs, the same set number and other inspection methods can be switched freely, which is conducive to the convenient collection and arrangement of cut pieces.



**iloading**  
爱取

#### 机器人自动化检料技术

爱玛与智能裁切机联接驱动的机械臂自动抓取技术，可实现自动上料、视觉识别自动裁切、自动抓取堆叠的全自动化生产流程。

#### Robot automatic picking technology

The automatic grasping technology of the robotic arm driven by the connection between EMMA and the smart cutting machine can realize the fully automated production process of automatic feeding, automatic cutting by visual recognition, and automatic grasping and stacking.



**ilubricate**  
爱润

#### 爱玛刀头传动自动润滑技术

在传动结构上增加自动润滑装置，保持机器恒久润滑，延长设备使用寿命。

#### Automatic lubrication technology

An automatic lubricating device is added to the transmission structure to keep the machine lubricated for a long time and prolong the service life of the equipment.



**idrive**  
爱驱

爱玛单樑双伺服驱动技术，有更快的响应时间与更佳传送精度，折算产能比单樑单伺服驱动技术能提升10-15%的裁切产出。

Dual-servo-per-bridge driving technique of faster response and higher accuracy, translating into a 10-15% increase in cutting output over one-servo-per-bridge.



**isolid**  
爱固

爱玛特殊结构的切割垫制造技术，在切割垫中加入细密防拉扯网布，使切割垫更结实牢固，有效保持切割垫的传送精度，减少裁切后的变形程度。

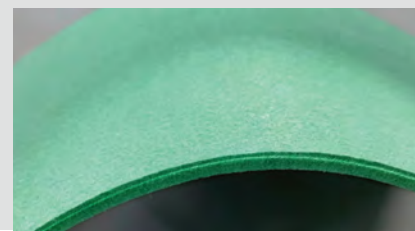
Technique for manufacturing cutting mat of special structure. By adding a fine anti-pulling mesh to the cutting mat, making the cutting mat stronger and more solid, effectively maintaining the transmission precision of the cutting mat and reducing the degree of deformation after cutting.



**idurable**  
爱耐

爱玛特殊配方的切割垫制造技术，在切割垫中加入新工艺，使切割垫更结实耐用，有效延长切割垫的使用寿命。

EMMA's specially formulated cutting mat manufacturing technology incorporates a new process to make it stronger and more durable. It effectively extending the life of the cutting mat.

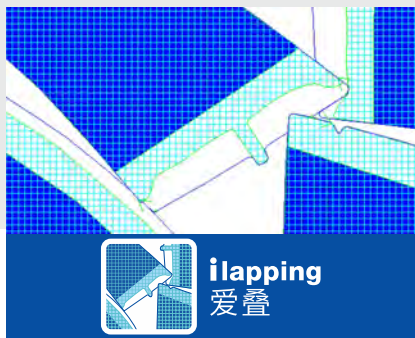


**ieco**  
爱环

爱玛采用回收矿泉水瓶重新制造的纤维加特殊配方的环保切割垫制造技术，在切割垫中加入新工艺流程，保持切割垫结实耐用的同时，探索一条可持续发展之路。

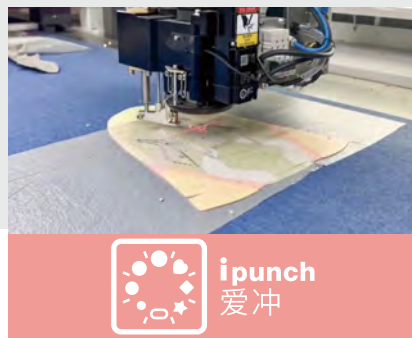
Using fibers re-manufactured with recycled drinking water bottles plus specially eco-friendly formula, Emma is exploring a sustainable path by incorporating a new process into the cutting mats to keep them strong and durable.





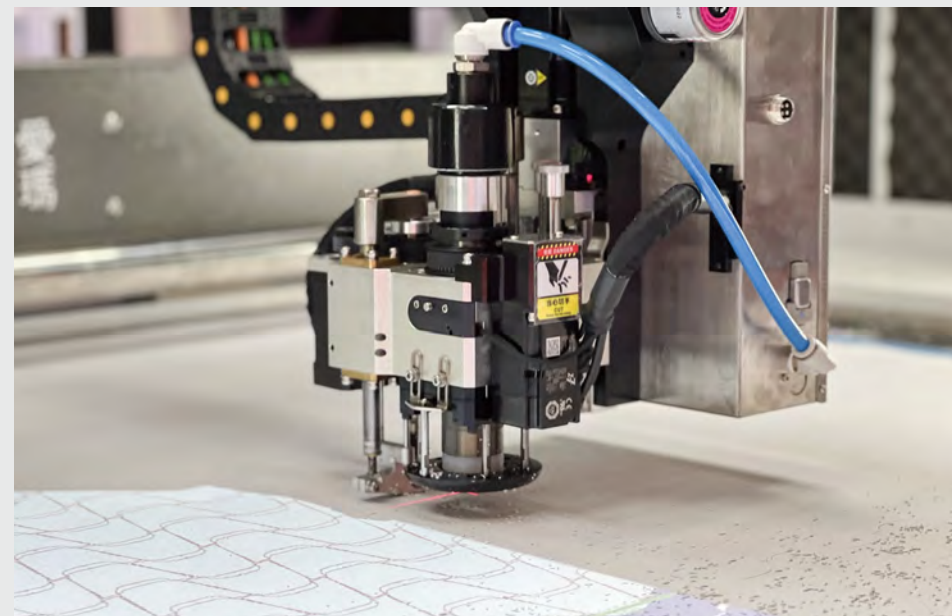
爱玛历时十五年研发突破的重叠智能排版 & 裁切技术，内含：“多边重叠、双轮廓设置、多等级设置”等实用性功能，媲美传统咬刀/吃料等手工开料模式，在不影响品质的前提下使皮料更节省(0.5-2%)。

EMMA's breakthrough overlapping intelligent nesting and cutting technology, developed over 15 years, includes practical features such as "multi-edge overlapping, dual-contour settings, and multi-level settings." Compared to traditional manual cutting methods like bite cutting or material feeding, it saves 0.5-2% of leather without compromising quality.



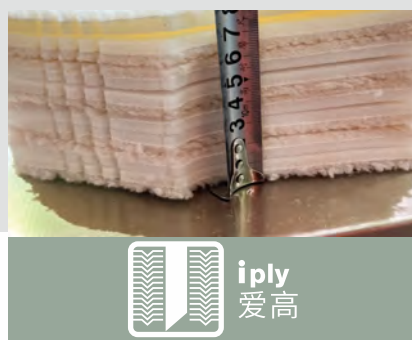
爱玛最新高速冲孔技术，可以达至每秒5-8个孔的冲孔速度(视孔位图形位置而定)，通过特殊的装置与冲刀设计，还可以冲圆孔以外的异型图形，能定位/定向冲孔，适用于运动鞋U型孔及包袋的各类异型孔。

This latest high-speed punching technology can reach a punching speed of 5-8 holes per second (depending on the location and shape of the holes). With a special device, it could also make punches of non-circle shape of certain position. It's suitable for sports shoes U-shaped holes and all kinds of shaped holes on hand bags.



爱玛的选配喷印技术(可喷印高温消失墨&莹光墨等)，可加装至大多数真皮裁切机型或样品室机型中，实现喷印划线或标识配双流水号等功能，提升效率。

Emma's optional printing technology (capable of printing high-temperature disappearing ink and fluorescent ink) can be added to most genuine leather cutting machines or sample room machines. It enables functions like printing guidelines or pairing serial numbers, improving efficiency.



爱玛全新一代高层智能裁床技术，已顺利突破核心控制算法，能够实现高层(70毫米以内)上下裁片误差可控，牙位/内弯清晰可见，具有产能大、效率高、品质好等优点。

Emma's next-generation high-layer intelligent cutting bed technology has successfully overcome core control algorithm challenges, achieving controllable cutting errors for high-layer materials (up to 70 mm) with clear tooth positions and inner curves. It offers high productivity, efficiency, and superior quality.





经验丰富又年轻活力的爱玛服务团队，为客户提供售前技术测试、方案提供、系统规划；售中安装调试、技术培训、生产指导；售后设备维护，技术支持，功能升级等全程优质服务。2023年，爱玛自主研发的数字化服务系统——“爱云服”正式上线，为智能裁切机提供数字化智能管理服务，实现从设备制造销售服务商向“数智裁切应用全生命周期管理服务商”的进化。

Experienced and energetic EMMA service team, provide pre-sales technical test, proposal, programming; installation and debugging, training, production service; After-sales, maintenance, technical support, function upgrading and so on whole process service. Help customer introducing smart cutting system smoothly and provide support constantly, enable customers to create technique competitive advantages. In 2023, EMMA's self-developed digital service system - "Aiyun Service" will be officially launched to provide digital intelligent management services for smart cutting machines, realize the transformation from equipment manufacturer to "smart cutting lifecycle management service provider".





爱玛以丰富经验与专业技能，帮助客户企业内的管理团队明晰行业发展趋势，建立智能裁切项目应用团队和职能分工，梳理适合本企业的数字化生产流程，保证智能裁切系统在企业内的顺利应用导入，把最优的产品配置和使用效果精准投放到客户的应用现场，给予客户最佳的应用保障与高效技术支持。

With our experience, we help the customers to build a management team to stay on trend in the industry, establish division of labour and a digital work flow that fits, to ensure the introduction of cutting system goes well.





## 客制化服务 | Customized Service

爱玛从顶层设计开始规划数据流，助力客户从设计端开始，资讯整合到生产现场，并实时反馈至管理层，减少误差及无效流程，提升整体竞争力。爱玛出色的工业设计能力，可为客户提供造型、颜色、机型、功能方面的选择，提升客户形象并使设备更具环境融入感。多年来已经为多个品牌商提供专属机型与数智化裁切方案。

EMMA helps customers to plan data flow right from the start. Having it integrated to production site and provided real time feedback to management would reduce errors and ineffective processes and enhance overall competitiveness. EMMA's strong industrial design capabilities can provide customers with choices in terms of shape, color, model and function. Helps the customers to establish a distinctive image. EMMA has been providing customized models and smart cutting solutions to many brands over the year.



## 增值服务的四个模块 | Value-added service

### 项目规划

为客户在工业4.0智能工厂的建设规划中，提供专业的智能裁切系统生产数据流规划服务。

优势：爱玛以丰富经验，帮助客户导入“智能裁切系统数据流”，与企业自身的资讯系统无缝对接，助力客户从设计开始，建立数位版房，资讯整合到生产现场，并实时反馈至管理层，减少人员重复性质的工作，提升整体竞争力。

### Project planning

We provide professional service on planning the data flow of cutting system in the process of building a industry 4.0 smart factory.

Advantage: we help the customers to introduce smart cutting system data flow to integrate with customers existing data units. Building the digital sample room, integrating the data for production and feedback to management would improve efficiency significantly.

### 系统导入

为客户在“智能裁切系统”导入企业时，提供专业资讯，知识分享、技术培训服务，推动客户顺利实现量产目标，保障客户投资回报。

优势：爱玛专业的客服团队，以完整的教材和熟练的技能，帮助客户内部建立数位化智能裁切系统管理团队，并梳理数位化生产流程，明确职责，对专职人员实施技术培训，并派驻专人在客户厂内示范生产，指导客户能顺利实现量产目标，产生效益。

### System introducing

We provide professional information, share knowledge and provide technical training to push the customers to achieve the ideal output.

Advantage: Professional EMMA customer service team will help customers to establish digitized smart cutting system management team, based on abundant guidebook and experienced skills, meanwhile, through clarifying the digitized production procedure, training the related employees, our customers can achieve their production targets and improve efficiency.

### 技术培训

爱玛配备两个国际技术培训中心（中国东莞市/越南胡志明市），提供多语言软件及设备的培训团队，培训中心+展厅+驻厂指导=理论与实际的完美结合。

优势：多语言版本的软件让操作者更易上手，丰富多样的培训课程，图文并茂的实用培训教材，经验十足的培训讲师，多媒体培训室及齐全机型可让学员从基础培训、应用培训、高级培训均获得良好的培训效果。

### Technical training

We have 2 technical training centers (Dongguan, China/Ho Chi Minh, Vietnam).

Advantage: Software interface in multiple languages, variety of training courses, rich teaching material, experiences trainers. All these ensure the trainees are well trained and be skillful for operating on the machines.

### 升级服务

根据客户的实际发展需求，结合爱玛技术升级的情况，针对客户的款式、材料、产能的变化，在条件许可的范围内为客户提供组件升级，工具升级、系统升级、技术改造等服务。

优势：帮助客户延伸设备功能，提高生产效率与充分用好设备，确保客户的最大生产效率，保持在设备能力范围内的最大程度应用，降低成本，保持最佳设备利用率。

### Upgrading

We provide upgrading service including mechanical parts, tools, system and technical transformation (in a limited range).

Advantage: keep the machines in good performance, improves efficiency and extend the lifetime of the machines.



## 卓越的供应链管理 | The Excellent Mangement of Our Supply Chain

爱玛推行绿色制造理念，以卓越的供应链管理与成本管理能力，2024年收购“美格科技”全部资产，垂直整合重组十个供应链制造单元，具有全产业链掌控实力。爱玛携手供应商共同建立可持续发展的绿色供应链体系，可配合客户的投资计划准时批量交付项目，并在较长周期内以具有竞争力的投资成本给予客户满意的投资回报。

EMMA promotes green productions. With its excellng management in supply chains, EMMA purchased the entire asset of "Meige Technology" and reformed ten supplying units, granting itself control of all supply chains. EMMA wishes to stand along side with the suppliers to build a sustainable industrial supply chains together. We can cooperate with our customers' investment plans and deliver our orders in time and can offer a satisfying ROI to our clients with a competitive cost in the long term.















## 绿创未来·持续发展

## Green Innovation Drives Sustainable Progress

### 环境

关爱环境，承诺2050年碳中和。

### 温室气体排放

主动披露温室气体排放表现，通过ISO14001环境管理体系认证。

### Environment

Caring for the Environment, Commitment to achieving carbon neutrality by 2050.

### Climate Change

Responding to the country's "dual-carbon" goal, Commitment to carbon neutrality by 2050, Carry out climate change risk management And materiality assessment, identify and assess climate risks.

### Investments

- 2025-2027 Peak Strategy: Invest 70 million in R&D and innovation.
- By 2030, drive more than 100 partners and 5000 employees to grow together.
- Establish an industry-leading high-efficiency and high-wage compensation system.
- Increase investment in long-term employee incentives
- Increase the "Young Talent Development Program". Recruit more than 500 College graduates and young talents.
- Increase the proportion of female employees to 30% and more.
- Provide occupation for people with disabilities and family circumstances.

### Greenhouse Gas Emissions

We proactively disclose our greenhouse gas emissions performance and have obtained ISO 14001 Environmental Management System certification.

### One Overarching Goal

Achieve carbon neutrality by 2050.

### Three ZERO by 2030

Zero carbon emissions from owned operational facilities.  
Zero use of virgin plastics in owned operational facilities.  
Zero landfill of waste from owned production facilities.

### Three 50% Goals by 2030

50% of energy consumption by strategic partners to be replaced with renewable energy.  
50% of products to use sustainable packaging.  
50% of energy consumption by owned transportation equipment to be replaced with clean energy.

### 气候变化

响应国家“双碳”目标，承诺2050年实现碳中和，开展气候变化风险管理和重要性评估，识别和评估气候风险。

### 投资

- 2025-2027造极战略:投入7000万研发创新;
- 2030年,带动超过100家合作伙伴及5000从业人员共同成长;
- 建立行业领先的高效高薪薪酬制度;
- 加大对员工长期激励的投入;
- 加大“青年人才培养计划”,吸纳超过500名高校毕业生和年轻人才;
- 将女性员工比例提升至30%以上;
- 为残障及家庭困境人士提供就业机会。

### 1个总目标

2050年前,实现碳中和。

- 2030年前,3个ZERO:  
自有营运设施零碳排放;  
自有营运设施原生塑料零使用;  
自有生产废弃物零填埋。
- 2030年前3个50%:  
战略合作伙伴能耗的50%采用可再生能源替代;  
50%的产品使用可持续包装;  
自有运输设备能耗的50%采用清洁能源替代。



# 可持续发展目标

## 爱玛可持续发展标准

为了实现我们的可持续发展目标，我们确定了七个重点领域：

### 体面工作和经济增长

我们致力于打造一个安全、健康的工作环境，让员工获得远优于本地区平均收入水平的报酬，通过不断的学习&技术提升得到收入的持续增长。

### 产业创新和基础设施

我们致力于创新，持续为下游产业数智化赋能，并不断降本增效以科技普惠行业发展，使自动技术成行业的基础设施。

### 减少不平等

我们致力于简化软件及设备的使用难度，让产业工人消除年龄&性别&文化程度的限制。

### 负责任消费与生产

我们致力于向全球下游行业推广“数智化大规模订制”方式，让产品在需要时才快速生产交付，最大程度地减少社会资源的浪费。

### 保护海洋生态

我们致力于为由海洋垃圾（鱼网、矿泉水瓶等）回收再生的工业面料提供创新价值方案&数智生产方式，有效保护海洋生态。

### 保护陆地生态

我们致力于用“AI人工智能排版+自动裁切生产方式”普及下游行业，节省刀模的浪费，为客户创造利润的同时，也减少约10%的工业垃圾产生，有效保护陆地生态。

### 全球伙伴关系

我们致力于全球化，与全球伙伴合作，让世界上每个地方的用户，都值得被看见、被尊重，被满足。惟精惟诚，无远弗届。

# Sustainability Goals

## EMMA Sustainability Standards

To achieve our sustainable development goals, we have identified seven key focus areas:

### Decent work and economic growth

We are committed to creating a safe and healthy work environment, offering compensation significantly above the regional average, and ensuring continuous income growth through ongoing learning and skill development.

### Industry Innovation and Infrastructure

We are dedicated to innovation, continuously empowering downstream industries with digital intelligence, reducing costs, improving efficiency, and making automation a foundational industry infrastructure.

### Reduce Inequality

We are committed to simplifying the use of software & equipment, allowing industrial workers to eliminate age, gender & literacy restrictions.

### Responsible Consumption and Production

We are committed to promoting “Digital Intelligence Mass Customization” to the globally, ensuring products are produced and delivered only when needed, minimizing societal resource waste.

### Protecting Marine Ecology

We are committed to providing innovative value solutions and digital production methods for industrial fabrics recycled from marine waste (fish nets, mineral water bottles, etc.) to effectively protect the marine ecosystem.

### Protecting land ecology

We are committed to popularizing the downstream industry with “AI Artificial Intelligence Nesting + Automatic Cutting Production Method” to reduce the waste of knives and molds, creating profits for customers and reducing industrial waste by about 10%, effectively protecting the terrestrial ecology.

### Global Partnership

We are committed to globalization, and cooperate with global partners, so that users in every part of the world, deserve to be seen, be respected, be satisfied. Precision in Craft, Integrity in Heart; No Boundary Beyond Reach.



# Create Greatness with Champions

# 携手冠军 共创佳绩



拳击世界冠军  
白莉萍

**更强**  
Stronger

跳水世界冠军  
康丽

**更高**  
Higher

游泳世界冠军  
任洛萌

**更快**  
Faster



世界品质 服务全球

GLOBAL QUALITY WORLDWIDE SERVICE







**2022年度 国家级专精特新“重点小巨人”企业**

**2023年度 制造业单项冠军示范企业**

**创建全球最具规模的柔性材料智能裁切系统生产基地**

Create the world's largest production base for soft material smart cutting system

**360<sup>+</sup>**

在职员工  
EMPLOYEES

**6%**

研发投入  
R&D  
INVESTMENT

**2000<sup>+</sup>**

年产能  
SETS PER YEAR  
THE OUTPUT

**40<sup>+</sup>**

销售国家与地区  
COUNTRIES  
/REGIONS SOLD

**120<sup>+</sup>**

产品型号  
MODELS

**151<sup>+</sup>**

专利  
PATENTS

**35<sup>+</sup>**

核心技术  
CORE  
TECHNOLOGIES

**51**

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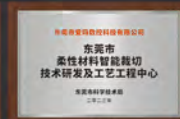
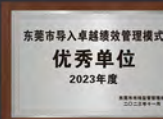
**750<sup>+</sup>**

世界级客户  
WORLD FAMOUS  
CUSTOMERS

**10<sup>+</sup>**

直营中心  
FACILITIES







爱玛简介

- 行业地位

爱玛数控科技创办于2002年，是国家工信部授予：2022年度国家级专精特新“重点小巨人”企业；2023年制造业单项冠军示范企业。2022/2023/2024连续三年在均价五万美元以上的智能裁切机领域产量全球夺冠，成为名符其实行业内的世界“隐形冠军”。

爱玛是全球率先同时拥有成熟的视觉、真皮、规则材料、大规模订制、高层裁床、样品室等六大柔性材料数智化裁切解决方案提供商，以其前瞻性技术创新与开创性研发能力，成为多个国际著名品牌商工业4.0时代的数智化裁切技术战略合作伙伴。
- 市场领导力

爱玛深度聚焦客户面临的挑战与需求，预知客户的期望，凝聚全员智慧，提供突破性的技术解决方案，结合自身优势（自有制造、自有设备、自有材料、自有认知力），以前沿知识和丰富经验引领全行业发展。在多个领域制定全球市场的技术标准，创造销量领先的市场地位，并保持全球市场份额遥遥领先。
- 品牌影响力

爱玛每年参加各行业的国内外展会/峰会/品牌商内部交流会/区域技术交流会达六十多场，在中国华东地区，中东、印度、菲律宾等多个汽车内饰行业市场中占据明显的优势，2018-2024年爱玛国际业务持续占据总营收(平均)55%以上，持续的市场活动与品牌宣传推广投入，使爱玛的品牌知名度蜚声国际，品牌影响力与日俱增。

- 生产能力

爱玛总部（广东东莞厚街）生产基地占地约30000平方米，厂区建筑面积43300平方米，现有超过360名训练有素的杰出员工，具备年产2500台/套设备的生产能力。爱玛工厂以数字化、高柔性、可持续为特点，建立起集技术研发、模组制造与整机生产为一体的智能装备柔性制造体系，能同时完成超过20种不同机型的全部组装流程，生产周期领先国际同业一倍以上，树立了全球柔性材料智能裁切系统生产方式的新标杆。
- 品质能力

爱玛建立了集零件生产、模组制造，电控安装、总装调试四大工艺的智能制造体系，设有原材料检验、成品检验、品质内控实验室、组件检测中心；高速运动零件以微米级的加工精度，广泛采用精密技术，高效准确地完成相关工序。质量管理体系覆盖零部件、模组件、整机三大生产核心领域，保证每一个生产环节交付的产品都历经数道严苛的质量考核，品质贯穿产品生产的每个环节。爱玛已获“清洁生产企业”认证，并通过ISO9001:2015质量管理体系，ISO14001:2015环境管理体系，ISO45001:2018职业健康安全管理体系，ISO10012:2003测量管理体系认证，全部产品均通过欧盟CE认证。
- 管理能力

爱玛以服务国际500强品牌商以及世界级制造商为核心业务，企业本身具有优秀的管理基础，从2018年开始逐步实现企业管理的数字化转型，打通研发、生产、供应链、销售、管理、售后各个环节，以数据中台串连：爱云销、爱云服、PLM、ERP、MES、SRM、WMS等数据模块，做到数据实时互通，解决企业数据孤岛的场景。以数字化制造能力为核心，将数字化能力赋能给产业链上下游，实现以客户为中心的全价值链营销、制造、服务体系。

- 管理能力

爱玛拥有约占企业总人数25%左右的高素质技术应用与售后服务团队，在中国建立了八个区域直营销售和十八个驻地技术服务中心，并布局直营的越南、印尼、柬埔寨服务中心，与众多区域代理商紧密合作，为全球超过40个国家客户提供及时的优质服务。能把最优的产品配置和使用效果精准投放到每个客户的应用现场，给予客户最佳的应用保障与高效技术支持。
- 展望未来

2025年初，爱玛升级新时期企业的使命&愿景：“科技普惠行业发展·共创人类美好生活”；让世界上每个地方的用户，都值得被看见、被尊重，被满足。爱玛跨领域提供持续创新的技术与方案，改善人类生活品质与环境。惟精惟诚，无远弗届。



About EMMA

- Industry position

EMMA CNC, founded in 2002, is awarded by the Ministry of Industry and Information Technology of the People's Republic of China: 2022 National Specialized New "Key Little Giant" Enterprise, 2023 Manufacturing Individual Champion Demonstration Enterprise. In 2022 , 2023,2024, Emma is the global championship in the field of smart cutting machines with an average price of more than 50,000 US dollars, becoming a veritable world "hidden champion" in the industry.

EMMA could provide smart cutting solutions for flexible materials for vision, leather, synthetic materials, mass customization, multiply cutters and sample room. With its forward-looking innovation and pioneering R&D capabilities, it has become a strategic partner of smart cutting technology in the era of Industry 4.0 for many internationally renowned brands.
- Market Leadership

EMMA focuses deeply on the challenges and needs faced by customers, predicts customers' expectations, gathers the wisdom of all employees, provides breakthrough technical solutions, and combines its own advantages (self-owned manufacturing, self-owned equipment, self-owned material, self-owned cognition), leading the industry with cutting-edge knowledge and experience. Formulate technical standards in the global market in multiple fields, create a leading market position in sales, and maintain a leading global market share.
- Brand influence

Every year EMMA participates over 60 domestic and foreign exhibitions and conference, occupying a clear lead in many international automotive markets such as East China, Middle East, India and the Philippines. From 2018 to 2024 EMMA's bussiness consists over 55% of international orders on average. The constant investment in marketing activities and brand promotion has made EMMA's brand well-known throughout many industries and still growing till this day.
- Production Capacity

EMMA headquarter located in Houjie, Dongguan, covers an area of about 30,000 square meters. The factory covers an area of 43,000 square meters. There are more than 360 well-trained employees, with an annual production capacity of 2,500 sets of equipment. Emma Factory is characterized by digitalization, high efficiency, flexibility and sustainability. It has established a flexible manufacturing system for intelligent equipment that integrates technology research and development, module manufacturing and complete machine production. It can simultaneously complete the entire assembly process of more than 20 different models. The production cycle is twice as advanced as that of international competitors, and sets a new benchmark for the production method of smart cutting system.
- Quality Capability

EMMA has established an intelligent manufacturing system that includes parts production, module manufacturing, electronic control installation, final assembly and commissioning. We have an internal control laboratory and a component testing center. High-speed moving parts are processed with micron-level precision to complete related works efficiently and accurately. The quality management system covers the three core production areas of parts, mold components and complete machines, ensuring that the products delivered in each link have undergone several rigorous quality assessments, and the quality runs through the entire production process. EMMA has passed "clear production enterprise",as well as ISO9001:2015 quality management system, ISO14001:2015 environmental management system, ISO45001:2018 occupational health and safety management system, ISO10012:2003 measurement management system certification, and all products have passed the EU CE certification.
- Management Capability

EMMA takes serving the top 500 international brands and world-class manufacturers as its core business. The company itself has an excellent management foundation. Since 2018, it has gradually realized the digital transformation of enterprise management, and opened up research and development, production, supply chain, sales, management, All aspects of after-sales are connected in series with the data center: data modules such as Aiyun Sales, Aiyun Service, PLM, ERP, MES, SRM, WMS, etc., to achieve real-time data interoperability and solve the scenario of enterprise data islands. With digital manufacturing capabilities as the core, empower digital capabilities to the upstream and downstream of the industrial chain, and realize a customer-centric full value chain marketing, manufacturing, and service system.
- Service Capability

EMMA has a high-quality technical application and after-sales service team that accounts for about 25% of the total number of employees. It has established 8 regional direct sales and 18 resident technical service centers in China, and has deployed direct sales in Vietnam, Indonesia, and Cambodia. EMMA is working closely with many regional agents, provides timely and high-quality services to customers in more than 40 countries around the world. We can accurately deliver the optimal product configuration and use effect to each customer's application site, and provide customers with the best application guarantee and efficient technical support.
- A Glimpse of Our Future

EMMA's new vision and goal at the beginning in 2025: Technologies will bring a better life to humanity.Everyone in the world deserves to be seen, respected and satisfied. EMMA will continuously provide innovative solutions and technologies across different industries to improve everyone's life qualities and our environment. Sincerity and dedication have no limits.





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