



SAILI赛力®

2023
GROOVING
DESIGNER ON
SAILI COMPANY

www.saili.cn

GROOVING MACHINE
开槽机



赛力开槽机、专注好包装

Saili — the most professional manufacturer of grooving machine for different package boxes.

赛力智能与您共同成长

Saili Machinery grows with you



赛力发明开槽机核心技术（开槽就是在包装盒所用的纸板、卡纸上去除V槽纤维），将此技术运用于包装盒制造工艺上，以提高包装盒的视觉效果。目前此项技术得到广泛应用，成为包装盒生产商必不可少的新工艺。

Saili was the first manufacturer in the world to develop grooving technology (grooving is the removal of V-groove fibers from gray board and thin cardboard used in packaging boxes) and to apply this technology to the box manufacturing process to improve the visual effect of the boxes. This technology is now widely used and has become an essential new process for packaging box manufacturers.

经营战略

Business strategy



技术创新
Technology innovation



品质管理
Quality management



诚信/以诚信为本，专注专信
Integrity/Integrity-based,
dedicated and trustworthy



严谨/重视细节，追求完美
Rigorous / attention to detail,
the pursuit of perfection



合作/群策群力，分享共赢
Cooperation / Group effect,
share and win together



创新/优化平台，持续发展
Innovation/optimized platform
for sustainable development



5G SAILI-Connect 4.0

面纸开槽 赛力之见

开槽工艺作为一种提升包装视觉效果的加工方式，近年来在电子产品等包装盒领域逐渐兴起并流行。开槽是指利用两片锋利的刀片组合成V型刀具在卡纸或灰板表面沿设计好的路线及深度取出多余的纤维形成一道或多道槽线，目的是使卡纸或灰板沿槽线折叠成立体棱角。

在200-300g厚度仅为0.2mm的面纸上开槽，深度需控制在0.08mm稍有点误差就会导致槽过深或过浅（滚筒表面精度控制在0.02mm以内）。表面复膜后的面纸在传统开槽机的分张输送过程中会出现刮花、拉丝等问题，严重影响产品质量；全新飞达开槽机，采用飞达喷嘴吸附面纸，面纸至上而下分张，避免了上下面纸分张过程的摩擦，解决了面纸表面刮花、拉丝等问题。

Paper Grooving , Saili's View

As a processing method to enhance the visual effect of packaging, grooving process has gradually emerged and become popular in the field of electronic products and other packaging boxes in recent years. Grooving way is the use of two sharp blades combined into a V-shaped tool to remove excess fibers along a designed route and depth on the surface of cardboard or gray board to form one or more grooving lines, with the aim of making the cardboard or gray board fold along the grooving lines to form the 90 degree angle of boxes.

Grooving on 200-300g(0.2mm) paper, the depth needs to be controlled at 0.08mm, a little error will cause the groove too deep or too shallow (the roller surface beating accuracy is controlled within 0.02mm). The surface of the paper after the film in the traditional slotting machine in the sheeting process will be scraping, drawing and other problems, seriously affecting product quality; The Saili new Feida grooving machine, using Feida nozzle adsorption paper, the paper up and down sheeting, to avoid the friction of the paper sheeting process above and below, to solve the surface of the paper scraping, drawing and other problems.

赛力专注开槽机 20+ 年

SAILI has been specialising
in grooving machine for over 20 years



PLANNED
Time to Plan: 01:29:18

RUNNING

SLQ-600C

FULL SERVO CARDBOARD BIDIRECTIONAL GROOVING MACHINE 全伺服卡纸双向开槽机

铜版纸
Coated paper

特种纸
Specialty paper

卡纸
Ivory board



重大优点 Major Advantages

1. 飞达送纸（无刮花），解决皮带分张刮花问题。
2. 滚筒（翻转）转向（无刮花）、速度快。
3. 侧面排废：侧面整体清废，提高产能使设备更加稳定。
4. 自动收成品：节省出成品的整理时间。

1. Feidal feeding (no scratch), solve the problem of paper surface being scratched when the belt divides the sheet.
2. Scroll flipping steering system (no scratch), fast, high stability.
3. Waste discharge: the waste will be delivery out of the machine automatically by dedicated conveyor belt, improve capacity to make the equipment more stable.
4. Automatic collection of finished products: save the finishing time of finished products.

工艺流程 Process flow



重大优点 Major Advantages

1. 开槽刀座伺服数控调节：左右移动精度0.02mm。
 2. 纠偏拉规伺服数控调节。
 3. 大滚筒皮带伺服数控调节。
 4. 保留历史尺寸数据：输入槽间距、其他部份（大滚筒皮带移动、靠边移动、开槽刀座左右移动）一键启动到位。
 5. 新增纸张表面除尘和去静电功能。
1. Servo CNC adjustment of grooving knife: left and right movement accuracy 0.02mm.
 2. Servo CNC adjustment of corrective pulling gauge.
 3. Servo CNC adjustment of large roller belt.
 4. Historical dimensional data retention: input groove distance, other parts (large roller belt movement, corrective pulling gauge movement, grooving knife seat left and right movement) one key to start positioning.
 5. Additional cardboard surface dust removal and de-static function.

主要技术参数 Technical Parameters

| 功能 | Function | SLQ-600C |
|-----------|---------------------------------------|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 195-500mm, Width: 195-600mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 195-600mm, Width: 195-500mm |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 6条 6 lines |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 6条 6 lines |
| 最高精度 | Best Accuracy | ±0.05mm |
| 正常精度 | Normally Accuracy | ±0.1mm |
| 材料厚度 | Material Thickness | 200-350克 200-350gsm |
| 刀头角度 | Grooving Angle | 80度-140度可以调 (90°=80°-110°) (120°=110°-140°) (90°knife holder used for making 80°-110°grooving angel) (120°knife holder used for making 110°-140° grooving angel) |
| 刀头角度调节方式 | Adjustable Angle Type | 每把刀头单独调节 Knife holder can adjustable independently |
| 速度 | Speed | (300mm×300mm)/80pcs/min 80pcs/min (if size 300×300mm) |
| 横梁条数 | Quantity Of Girder | 第一道2条, 第二道2条 2Girders (1st step), 2Girders (2nd step) |
| 多少排刀 | Quantity Of Knife Row | 第一道和第二道各3排刀 3 rows of knife on each grooving part |
| 送纸方式 | Feeding Type | 上吸风(飞达送纸) Feida Air feeding system |
| 平台加纸方式 | Platform Type Of Adding Paper | 上下双平台(节省上纸时间) Upper and Lower Platform(Save time of paper putting) |
| 左右调刀 | Knife Left Or Right Position | 伺服自动定位(精度0.02mm) Servo automatic positioning (accuracy 0.02mm) |
| 刀尖对刀 | Knife Adjustment | 工具快捷对齐刀片 Use tool to align the blade |
| 滚筒皮带调节 | Adjustable Scroll Belt | 数控自动调节 CNC automatic adjustment |
| 清废 | Waste Material Delivery System | 吸气+机器侧面自动清废 Suction device + side delivery system |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener |
| 整机重量 | Weight | 5800KGS |
| 功率 | Power | 15.5kw |
| 整机尺寸 | Machine Size | 3500×3600×1860mm |
| 操作占地面积 | Floor Space Of Machine | 11m² |
| 拉规调节方式 | Pulling Gauge Adjustment | 伺服数控自动调节 Servo CNC automatic adjustment |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 皮带纠偏+钢球拉规 Belt Correction+stell ball correction |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 皮带纠偏+钢球拉规 Belt Correction+stell ball correction |
| (转向) 翻转原理 | Flipping Principle (Change Direction) | 滚筒翻转(翻转原理) Scroll Flipping (Flipping principle) |

SLQ-600S

THIN CARDBOARD BIDIRECTIONAL CNC GROOVING MACHINE
卡纸七字双向数控开槽机



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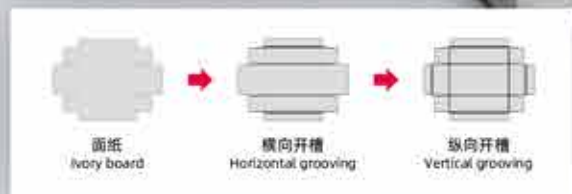


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工艺流程 Process flow



铜版纸
Coated paper

特种纸
Specialty paper

卡纸
Ivory board

重大优点 Major Advantages

1. 飞达送纸（无刮花），解决皮带分张刮花问题。
 2. 滚筒（翻转）转向（无刮花），速度快。
 3. 侧面排废：侧面整体清废，提高产能使设备更加稳定。
 4. 自动收成品：节省出成品的整理时间。
1. Feidal feeding (no scratch), solve the problem of paper surface being scratched when the belt divides the sheet.
 2. Scroll flipping steering system (no scratch), fast, high stability.
 3. Waste discharge: the waste will be delivery out of the machine automatically by dedicated conveyor belt ; improve capacity to make the equipment more stable.
 4. Automatic collection of finished products: save the finishing time of finished products.

主要技术参数 Technical Parameters

| 功能 | Function | SLQ-600S |
|----------|---------------------------------------|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 195-500mm, Width: 195-600mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 195-600mm, Width: 195-500mm |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 6条 6 lines |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 6条 6 lines |
| 最高精度 | Best Accuracy | ±0.05mm |
| 正常精度 | Normally Accuracy | ±0.1mm |
| 材料厚度 | Material Thickness | 200-350克 200-350gsm |
| 刀头角度 | Grooving Angle | 80度-140度可以调 (90°=80°-110°) (120°=110°-140°) (90°knife holder used for making 80°-110°grooving angel) (120°knife holder used for making 110°-140° grooving angel) |
| 刀头角度调节方式 | Adjustable Angle Type | 每把刀头单独调节 Knife holder can adjustable independently |
| 速度 | Speed | (300mm×300mm)/80pcs/min 80pcs/min (if size 300×300mm) |
| 横梁条数 | Quantity Of Girder | 第一道2条, 第二道2条 2Girders (1st step), 2Girders (2nd step) |
| 多少排刀 | Quantity Of Knife Row | 第一道和第二道各3排刀 3 rows of knife on each grooving part |
| 送纸方式 | Feeding Type | 上吸风（飞达送纸） Feida Air feeding system |
| 平台加纸方式 | Platform Type Of Adding Paper | 上下双平台（节省上纸时间） Upper and Lower Platform (Save time of paper putting) |
| 左右调刀 | Knife Left Or Right Position | 伺服自动定位（精度0.02mm） Servo automatic positioning (accuracy 0.02mm) |
| 滚筒皮带调节 | Adjustable Scroll Belt | 手轮快速移动皮带 Remove the belt quickly by handwheel |
| 清废 | Waste Material Delivery System | 吸气+机器侧面自动清废 Suction device + side delivery system |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener |
| 整机重量 | Weight | 5200KGS |
| 功率 | Power | 13.5kw |
| 整机尺寸 | Machine Size | 3200×2950×1570mm |
| 操作占地面积 | Floor Space Of Machine | 10m² |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 皮带纠偏+钢球拉规 Belt Correction+steel ball correction |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 皮带纠偏+钢球拉规 Belt Correction+steel ball correction |
| （转向）翻转原理 | Flipping Principle (Change Direction) | 滚筒翻转（翻转原理） Scroll Flipping (Flipping principle) |

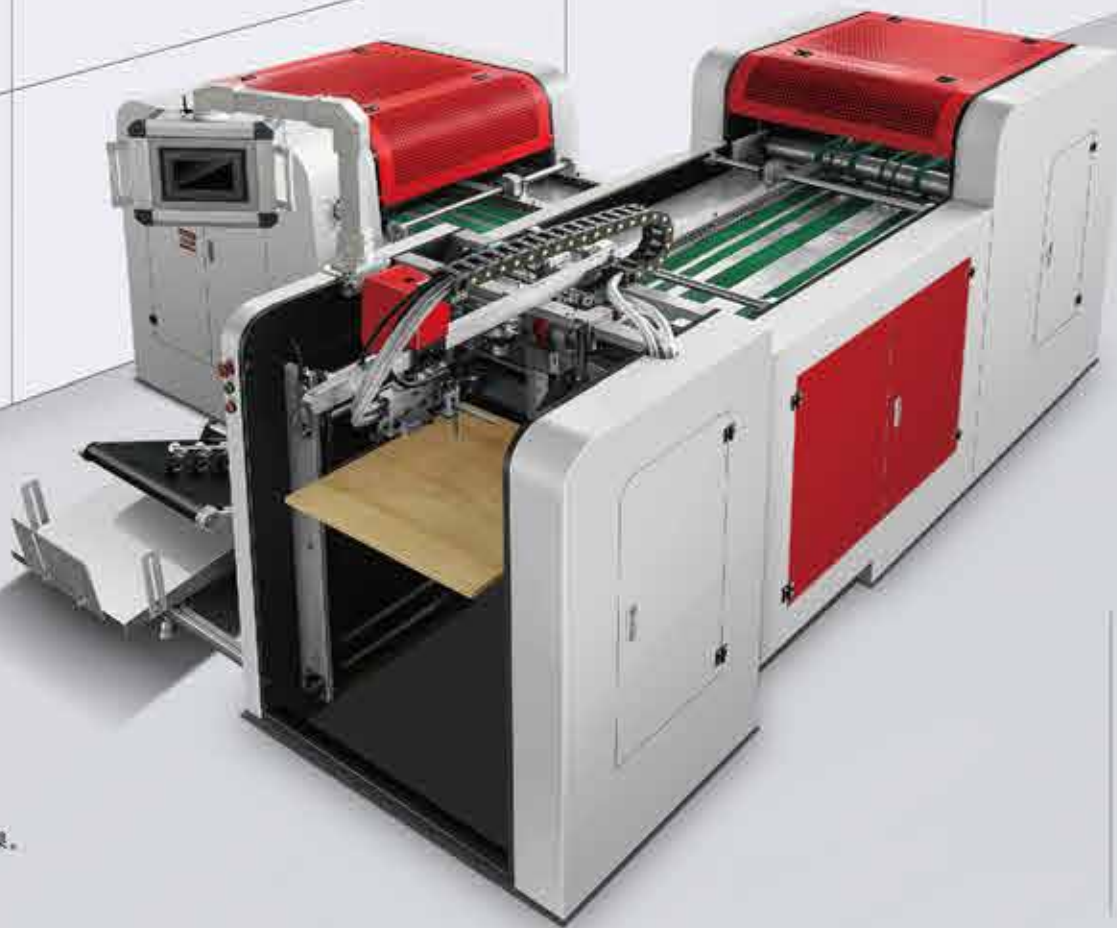
SLQ-600

THIN CARDBOARD AUTOMATIC BIDIRECTIONAL GROOVING MACHINE
卡纸七字双向开槽机

铜版纸
Coated paper

特种纸
Specialty paper

卡纸
Ivory board



适用范围 Usage

针对铜版纸、卡纸双向V槽；有棱角提高包装盒视觉效果。

Two-way V-groove for coated paper and ivory board,
improve the visual effect a of packaging boxes.



资料下载

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观看视频

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重大优点 Major Advantages

1. 飞达送纸（无刮花），解决皮带分张刮花问题。
 2. 滚筒（翻转）转向（无刮花）、速度快。
 3. 侧面排废：侧面整体清废，提高产能使设备更加稳定。
 4. 自动收成品：节省成品的整理时间。
1. Feidal feeding (no scratch), solve the problem of paper surface being scratched when the belt divides the sheet.
 2. Scroll flipping steering system (no scratch), fast, high stability.
 3. Waste discharge: the waste will be delivery out of the machine automatically by dedicated conveyor belt, improve capacity to make the equipment more stable.
 4. Automatic collection of finished products: save the finishing time of finished products.

主要技术参数 Technical Parameters

| 功能 | Function | SLQ-600 |
|----------|---------------------------------------|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 195-500mm, Width: 195-500mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 195-500mm, Width: 195-500mm |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 6条 6 lines |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 6条 6 lines |
| 最高精度 | Best Accuracy | ±0.05mm |
| 正常精度 | Normally Accuracy | ±0.1mm |
| 材料厚度 | Material Thickness | 200-350克 200-350gsm |
| 刀头角度 | Grooving Angle | 80度-140度可以调 (90°=80°-110°) (120°=110°-140°) (90°knife holder used for making 80°-110°grooving angel) (120°knife holder used for making 110°-140° grooving angel) |
| 刀头角度调节方式 | Adjustable Angle Type | 每把刀头单独调节 Knife holder can adjustable independently |
| 速度 | Speed | (300mm×300mm)/80pcs/min 80pcs/min(if size 300×300mm) |
| 横梁条数 | Quantity Of Girder | 第一道2条，第二道2条 2Girders (1st step), 2Girders (2nd step) |
| 多少排刀 | Quantity Of Knife Row | 第一道和第二道各3排刀 3 rows of knife on each grooving part |
| 送纸方式 | Feeding Type | 上吸风（飞达送纸） Feidal Air feeding system |
| 平台加纸方式 | Platform Type Of Adding Paper | 上下双平台（节省上纸时间） Upper and Lower Platfrm(Save time of paper putting) |
| 滚筒皮带调节 | Adjustable Scroll belt | 手轮快速移动皮带 Remove the belt quickly by handwheel |
| 清废 | Waste Material Delivery System | 吸气+机器侧面自动清废 Suction device + side delivery system |
| 磨刀机 | Knife Sharpenner | 自动磨刀机 Auto knife sharpener |
| 整机重量 | Weight | 3000kg |
| 功率 | Power | 12.5kw |
| 整机尺寸 | Machine Size | 3200×2950×1570mm |
| 操作占地面积 | Floor Space Of Machine | 10m² |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 皮带纠偏+钢球拉规 Belt Correction+steel ball correction |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 皮带纠偏+钢球拉规 Belt Correction+steel ball correction |
| （转向）翻转原理 | Flipping Principle (Change Direction) | 滚筒翻转（翻转原理） Scroll Flipping (Flipping principle) |

SLZ-935B

SERVO EDGE CORRECTION CARDBOARD GROOVING MACHINE
伺服纠偏卡纸开槽机



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铜版纸
Coated paper

特种纸
Specialty paper

卡纸
Ivory board



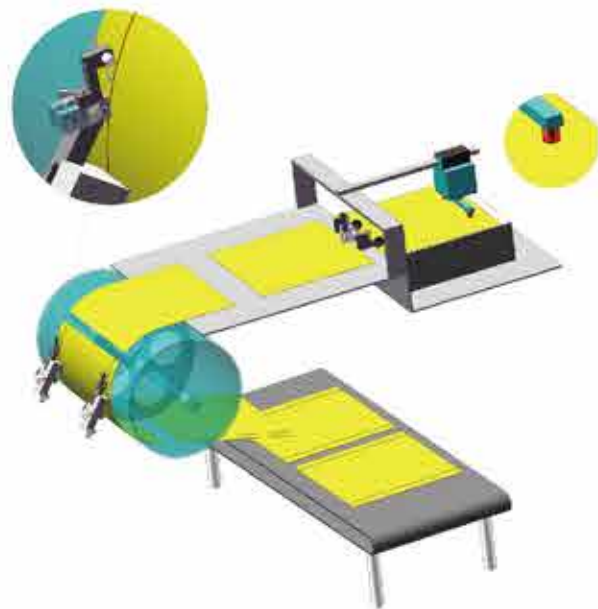
重大优点 Major Advantages

1. 自动清废功能
 2. 磁栅辅助定位系统
 3. 自动爬坡收料架
 4. 伺服纠偏
1. Automatic waste delivery system
 2. Magnetic grating assisted positioning system
 3. Automatic slant conveyor belt
 4. Servo edge correction

采用高速飞达分张送纸，解决异型工艺的卡纸皮带分张刮钩问题、解决皮带分张刮花问题。双张检测自动停机。

This machine is used high speed feeder for sub- sheeting feeding, it resolves the scraping problem of special shape paperboard. When the two paperboard is feeding in one time, the machine will be automatically shut down.

包装之美、在于开槽
 开槽之道、赛力创造
 Beautiful Package on V grooving
 Grooving Designer on Saili Company



主要技术参数 Technical Parameters

| 功能 | Function | SLZ-935B |
|--------|--------------------------------|--|
| 宽向尺寸 | Width Of Work Piece | 195-600mm |
| 长向尺寸 | Length Of Work Piece | 195-500mm |
| 纸张厚度 | Thickness Of Work Piece | 157-350gsm |
| 开槽速度 | Normal Speed | 100pcs/min (300×300mm) |
| 开槽精度 | Normal Accuracy | 0.1mm |
| 开槽条数 | Quantity Of Groove | 12grooves |
| 收料方式 | Vibration Table Receiver | 自动收成品 节省出成品的整理时间 Automatic collection of finished products: saves time in finishing the finished product |
| 送纸方式 | Feeding Type | 上吸风送纸 Air feida feeding |
| 单双通道 | Single Feeder On Double Feeder | 单通道 Single feeder |
| 纠偏调节方式 | Edge Corection Adjustment | 伺服数控调节 Servo CNC automatic adjustment |
| 纠偏原理 | Correction Principle | 滚珠纠偏原理 Steel ball corection automatically |
| 横梁条数 | Quantity Of Girder | 3条 |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener |
| 整机功率 | Power | 3.5kw |
| 外型尺寸 | Machine | 2500×1300×1350mm |
| 整机重量 | Weight | 1800kg |

SLZ-935

THIN CARDBOARD AUTOMATIC GOOVING MACHINE
异型卡纸开槽机

重大优点 Major Advantages

1. 自动清废功能
 2. 磁栅辅助定位系统
 3. 自动爬坡收料架
1. Automatic waste delivery system
 2. Magnetic grating assisted positioning system
 3. Automatic slant conveyor belt



铜版纸
Coated paper

特种纸
Specialty paper

卡纸
Ivory board



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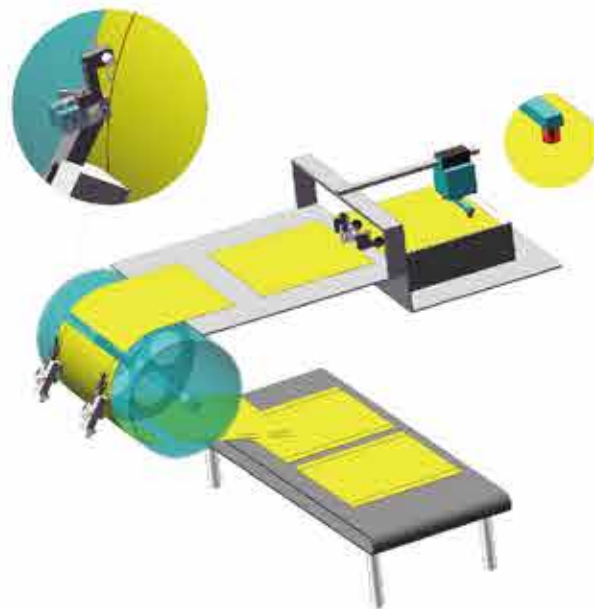
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采用高速飞达分张送纸，解决异型工艺的卡纸皮带分张刮钩问题、解决皮带分张刮花问题。双张检测自动停机。

This machine is used high speed feeder for sub- sheeting feeding, it resolves the scraping problem of special shape paperboard. When the two paperboard is feeding in one time, the machine will be automatically shut down.

赛力让世界包装盒变得更漂亮
Saili makes the world's
packaging box more beautiful



主要技术参数 Technical Parameters

| 功能 | Function | SLZ-935 |
|--------|--------------------------------|--|
| 宽向尺寸 | Width Of Work Piece | 195-600mm |
| 长向尺寸 | Length Of Work Piece | 195-500mm |
| 纸张厚度 | Thickness Of Work Piece | 157-350gsm |
| 开槽速度 | Normal Speed | 100pcs/min (300×300mm) |
| 开槽精度 | Normal Accuracy | 0.1mm |
| 开槽条数 | Quantity Of Groove | 12grooves |
| 收料方式 | Vibration Table Receiver | 自动收成品 节省出成品的整理时间 Automatic collection of finished products: saves time in finishing the finished product |
| 送纸方式 | Feeding Type | 上吸风送纸 Air feida feeding |
| 单双通道 | Single Feeder On Double Feeder | 单通道 Single feeder |
| 纠偏调节方式 | Edge Corection Adjustment | 伺服数控调节 Servo CNC automatic adjustment |
| 纠偏原理 | Correction Principle | 滚珠纠偏原理 Steel ball correction automatically |
| 横梁条数 | Quantity Of Girder | 3条 |
| 磨刀机 | Knife Sharpenner | 自动磨刀机 Auto knife sharpener |
| 整机功率 | Power | 3.5kw |
| 外型尺寸 | Machine | 2500×1300×1350mm |
| 整机重量 | Weight | 1700kg |

KLZ-930B

AUTOMATIC GROOVING MACHINE
全自动滚筒式起沟机



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观看设备运行视频

灰纸板
Gray board

铜版纸
Coated paper

对裱卡纸
Laminating cardboard

卡纸
Ivory board

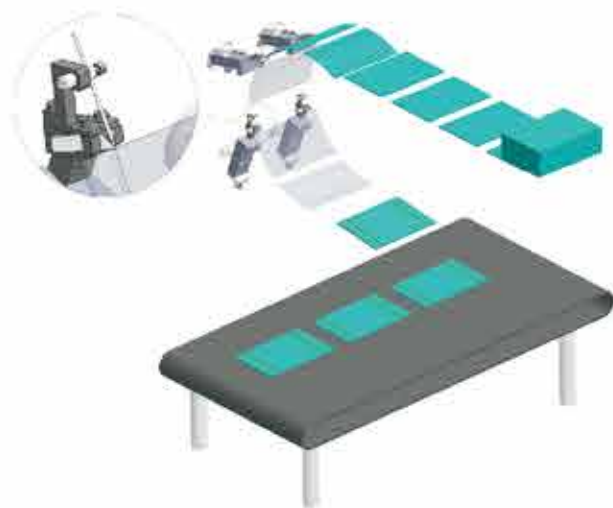
赛力发明开槽机
的核心技术

To invent core technology
of grooving machine



采用皮带摩擦自动送纸，单边靠边自动纠偏原理（比双边靠边精度提高50%）保证送板精度，解决手动送板不稳定的因素。滚筒皮带捆绑式开槽，才能保证开槽的精度和速度。适用于制作天地盖盒（横竖开槽）、书型盒等，只要有单边可以定位的各种材质的异型盒子均可开槽。

Adopt belt friction automatic cardboard feeding, single-sided edge automatic correction principle to ensure the accuracy of cardboard feeding and solve the factor of manual cardboard feeding instability. Drum belt strapping grooving can ensure the accuracy and speed of grooving. Suitable for making heaven and earth cover boxes (horizontal and vertical grooving), book-shaped boxes, etc. Shaped boxes of various materials can be grooved as long as there is a single side that can be positioned.



主要技术参数 Technical Parameters

| 功能 | Function | KLZ-930B | KLZ-930BL |
|--------|--------------------------------|---|---|
| 进料尺寸 | Width Of Work Piece | 100-850mm | 100-1050mm |
| 进料尺寸 | Length Of Work Piece | 80-500mm | 80-650mm |
| 最高精度 | Best Accuracy | ±0.05mm | ±0.05mm |
| 正常精度 | Normal Accuracy | ±0.1mm | ±0.1mm |
| 最快速度 | Fastest Speed | 30-32m/min 110-120pcs/min (work piece size 200×200mm) | 30-32m/min 110-120pcs/min (work piece size 200×200mm) |
| 正常速度 | Normal Speed | 20-25 m/min | 20-25 m/min |
| 开槽角度 | Groove Degree | 80°-135° adjustable | 80°-135° adjustable |
| 板材厚度 | Thickness Of Work Piece | 250gsm-3.0mm | 250gsm-3.0mm |
| 横梁条数 | Quantity Of Griders | 2条（4排刀） 2 cross beams-4 rows | 2条（4排刀） 2 cross beams-4 rows |
| 同时开槽条数 | Quantity Of Groover | 16 | 16 |
| 送纸方式 | Feeding Type | 整叠推块分张 stacking platform | 整叠推块分张 stacking platform |
| 纠偏原理 | Correction Principle | 皮带纠偏+钢球拉板 Belt Correction+stell ball correction | 皮带纠偏+钢球拉板 Belt Correction+stell ball correction |
| 单双通道 | Single Or Double Feeder | 双通道 Double feeder | 双通道 Double feeder |
| 清废 | Waste Material Delivery System | 吹气+吸气排废 Air system for waste deliver | 吹气+吸气排废 Air system for waste deliver |
| 刀头角度调节 | Grooving Angle | 每个刀头单独调节 Independent adjustment of each knife head | 每个刀头单独调节 Independent adjustment of each knife head |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener | 自动磨刀机 Auto knife sharpener |
| 整机功率 | Power | 3.0kw | 3.0kw |
| 整机尺寸 | Dimension | L2410×W1530×H1350mm | L2410×W1830×H1350mm |
| 整机重量 | Weight | 1580kg | 1780kg |

KLQ-600B

BIDIRECTIONAL GROOVING MACHINE
七字双向开槽机



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灰纸板
Gray board

中纤板
MDF

重大优点 Major Advantages

- | | |
|--|--|
| <ol style="list-style-type: none"> 1. 针对密度板、中纤板、灰板的天地盖皮壳盒型开槽。 2. 采用两个滚筒直接转向第二道开槽。 3. 密度板、中纤板开L槽功能。 4. 自动收成品。 | <ol style="list-style-type: none"> 1. For density board, medium fiber board, gray board of the rigid boxes and case cover. 2. Adopt two drums to directly turn the second grooving. 3. L groove function for density board and medium fibre board. 4. Automatic collection of finished products. |
|--|--|

主要技术参数 Technical Parameters

| 功能 | Function | KLQ-600B | KLQ-600BL |
|----------|--------------------------------------|---|-------------------------------------|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 150-600mm, Width: 150-600mm | Length: 150-600mm, Width: 150-900mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 150-600mm, Width: 150-600mm | Length: 150-900mm, Width: 150-600mm |
| 最高精度 | High Accuracy | ±0.2mm | |
| 正常精度 | Normally Accuracy | ±0.3mm | |
| 材料厚度 | Material Thickness | 1.5mm-4mm | |
| 刀头角度 | Grooving Angle | 80度-140度可以调 (90°knife holder used for making 80°-110° grooving angel) (120°knife holder used for making 110°-140° grooving angel) | |
| 刀头角度调节方式 | Adjustable Angle Type | 横梁整排调节 Need to adjust the whole row of crossbeam | |
| 横梁条数 | Numbers Of Girder | 第一道2条; 第二道1条 2 on 1st grooving part; 1 on 2nd grooving part | |
| 多少排刀 | Number Of Grooving Knife | 第一道两排刀; 第二道一排刀 2 rows of knife on 1st.grooving part; 1 row of knife on 2nd grooving part | |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 8条 8 grooving lines | |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 4条 4 grooving lines | |
| 送料方式 | Feeding Type | 皮带摩擦 Belt feeder | |
| 调刀左右 | V Grooving Knife Position Adjustment | 齿轮 (手感) Gear Adjustable | |
| 调刀深浅 | V Grooving Depth Adjustment | 螺丝 (手感) Screw Adjustable | |
| 刀尖对刀 | Knife Adjustment | 经验 (手感) Operator Experience and technology | |
| 滚筒皮带调节 | Scroll Belt Adjustment | 手轮快捷移动皮带 Remove the belt by handwheel | |
| 清废 | Waste Material Delivery System | 机器后部出废料 (一部与二部) The conveyor belt at the rear of the machine discharges waste | |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener | |
| 速度 | Speed | 300mm×300mm/130只/min | |
| 整机重量 | Weight | 4300KG | |
| 功率 | Power | 5.2KW | |
| 整机尺寸 | Machine Size | 3462×2533mm×1525mm | 3663×2416mm×1525mm |
| 操作占地面积 | Floor Space Of Machine | 10m² | |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 橡胶轮 Rubber wheel | |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 橡胶轮 Rubber wheel | |
| 翻转原理 | Flipping Principle | L型直接转向 L-shaped direct steering | |

KLQ-600

AUTOMATIC BIDIRECTIONAL GROOVING MACHINE 全自动七字双向开槽机



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- 灰纸板
Gray board
- 中纤板
MDF
- 对裱卡纸
Laminating cardboard



工艺流程 Process flow



适用范围 Usage

针对灰纸板、对裱卡纸、中纤板等双向一次性开槽。

It is used for cutting V or U shape groove on gray board, laminating cardboard, MDF etc, with dual direction grooving.

重大优点 Major Advantages

1. 一机双重使用，天地盖的双向开槽与皮壳的单向开槽，需要时设备可转换功能。
 2. 具有产品半重叠转向机构稳定性优点：第一道转向至第二道时可半重叠状态（同比速转向部位速度可以适当慢些）不影响整机速度的前提下，提高了稳定性。
 3. 生产皮壳的使用：转向输送部的皮带可以在电脑上设置正反输送，所以生产皮壳时不需要经过第二道出成品。直接设置转向皮带反转，第一道开槽完成直接到收料机上。
 4. 自动收成品。
1. Double use of a machine, the two-way grooving of the rigid boxes and the one-way grooving of the case cover, the equipment can be converted to function when needed.
 2. Has the advantage of the stability of the product half overlap steering mechanism: the first turn to the second can be half overlap state (The same ratio of the state, the steering part speed can be appropriate slower) does not affect the speed of the whole machine under the premise of improving the stability.
 3. The use of production case cover: The belt of steering conveyor section can be set on the computer to convey forward and reverse, so the production of case cover does not need to go through the second grooving part. Directly set the steering belt reversal, the first channel grooving is completed directly to the receiving conveyor belt.
 4. Automatic collection of finished products.

主要技术参数 Technical Parameters

| 功能 | Function | 天地盖板 Rigid Box | 天地盖+皮壳版 Rigid Box + Case Cover |
|----------|--------------------------------------|--|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 100-450mm, Width: 100-600mm | Length: 100-450mm, Width: 100-850mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 100-600mm, Width: 100-600mm | Length: 100-850mm, Width: 100-600mm |
| 最高精度 | High Accuracy | ±0.1mm | ±0.1mm |
| 正常精度 | Normally Accuracy | ±0.15mm | ±0.15mm |
| 材料厚度 | Material Thickness | 1.0mm-3.0mm | 1.0mm-3.0mm |
| 刀头角度 | Grooving Angle | 60度-140度可调 (90°knife holder used for making 80°-110° grooving angel) | (120°knife holder used for making 110°-140° grooving angel) |
| 刀头角度调节方式 | Adjustable Angle Type | 横梁整排调节 Need to adjust the whole row of crossbeam | 横梁整排调节 Need to adjust the whole row of crossbeam |
| 横梁条数 | Number Of Crossbeam | 第一道和第二道各1条 1 crossbeam on each grooving part | 第一道2条; 第二道1条 2 on 1st grooving part, 1 on 2nd grooving part |
| 多少排刀 | Number Of Grooving Knife | 一排刀 1 row of knife on each grooving part | 第一道两排刀; 第二道一排刀 2 rows of knife on 1st grooving part; 1 row of knife on 2nd grooving part |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 4条 4 grooving lines | 8条 8 grooving lines |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 4条 4 grooving lines | 4条 4 grooving lines |
| 送纸方式 | Feeding Type | 皮带摩擦 Belt feeder | 皮带摩擦 Belt feeder |
| 调刀左右 | V Grooving Knife Position Adjustment | 齿轮(手感) Gear Adjustable | 齿轮(手感) Gear Adjustable |
| 调刀深浅 | V Grooving Depth Adjustment | 螺丝(手感) Screw Adjustable | 螺丝(手感) Screw Adjustable |
| 刀尖对刀 | Knife Adjustment | 经验(手感) Operator Experience and technology | 工具校对(Calibration by tool) |
| 滚筒皮带调节 | Scroll Belt Adjustment | 手轮快捷移动皮带 Remove the belt by handwheel | 手轮快捷移动皮带 Remove the belt by handwheel |
| 清废 | Waste Material Delivery System | 机器后部出废料(一部与二部) The conveyor belt at the rear of the machine discharges waste | |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener | 自动磨刀机 Auto knife sharpener |
| 速度 | Speed | 200mm×200mm/130pcs/min | 200mm×200mm/130pcs/min |
| 整机重量 | Weight | 3200KG | 3800KG |
| 功率 | Power | 6.5KW | 7.5KW |
| 整机尺寸 | Machine Size | 2635×3900mm×1350mm | 3080×4100×1445mm |
| 操作占地面积 | Floor Space Of Machine | 12m ² | 12m ² |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 橡胶轮 Rubber wheel | 橡胶轮 Rubber wheel |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 橡胶轮 Rubber wheel | 橡胶轮 Rubber wheel |
| 翻转原理 | Flipping Principle | 产品半重叠转回(提高稳定性和速度) Product half overlap turn back(Improved stability and speed) | |

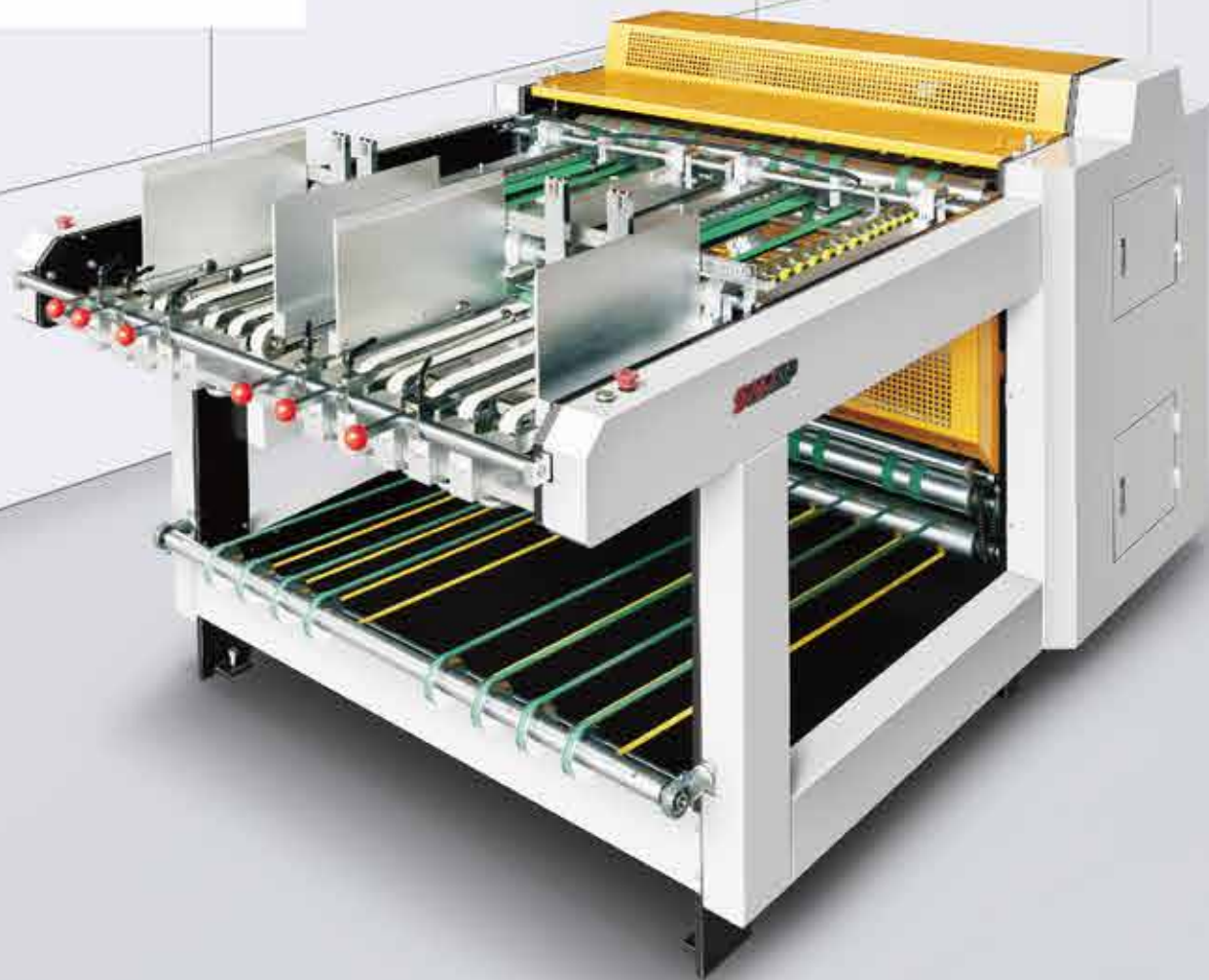
KLZ-1300

AUTOMATIC GROOVING MACHINE
全自动滚筒式起沟机

灰纸板
Gray board

对裱卡纸
Laminating cardboard

中纤板
MDF



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快速送料及自动纠偏 FEEDING AND CORRECTING PART

采用前后段皮带送料，前段送料，后段纠偏。高摩擦力皮带，确保送料稳定。纠偏皮带与压轮配合，传送进料过程中自动靠单边纠偏。

Adopt front and rear section belt to feed, the front section to feed, the back section to rectify deviation. High friction belt ensures feeding stability. The rectifying belt is matched with the pressure wheel, which automatically rectifies the deviation on one side during the feeding process.

收料部分两层 RECEIVING PART TWO LAYERS

上层收成品，下层将四角边料输送至机器后部清废。

The upper layer receives the finished product, and the lower layer transports the four corners to the rear of the machine for waste removal.

成品收料 FINISHED PRODUCT RECEIPT

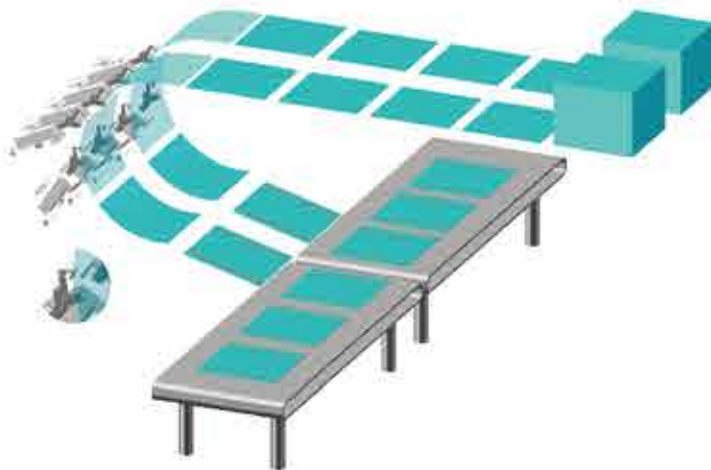
开槽好的成品通过输送带传出，节省人工搬运时间。

Automatic transport finished product, save man power and time.

快捷调节 QUICK ADJUSTMENT

皮带及刀具尺寸快捷调节。开槽部捆绑皮带左右调节方便。节省尺寸变化调节时间。

Belt and knife tool for adjusting quickly save time. Easy Adjustment.



主要技术参数 Technical Parameters

| 功能 | Function | KLZ-1300 |
|--------|-------------------------|---|
| 自动进料尺寸 | Material Width | Width: 120-1200mm |
| 自动进料尺寸 | Material Length | Length: 200-900mm |
| 最高精度 | Best Accuracy | ±0.1mm |
| 正常精度 | Normal Accuracy | ±0.1mm |
| 最快速度 | Fastest Speed | 40-45m/min 600×600每分钟80-120只 40-45m/min 80-120pcs/min (work piece size 600×600mm) |
| 正常速度 | Normal Speed | 30-45m/min 600×600每分钟70-80只 30-45m/min 70-80pcs/min (work piece size 600×600mm) |
| 开槽角度 | Groove Degree | 90-130度可调 90°-130° adjustable |
| 板材厚度 | Thickness Of Work Piece | 1.5-3.0mm |
| 同时开槽条数 | Total Number Of Groove | 12条 |
| 排废装置 | Waste Deliver | 皮带向外传送皮屑（开出的下角料）部分要人工清理 By down conveyor belt |
| 整机功率 | Power | 4kw |
| 整机尺寸 | Dimension | 3020×1750×1425mm |
| 整机重量 | Weight | 1820kg |

KLZ-910

AUTOMATIC GROOVING MACHINE
全自动滚筒式起沟机



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灰纸板
Gray board

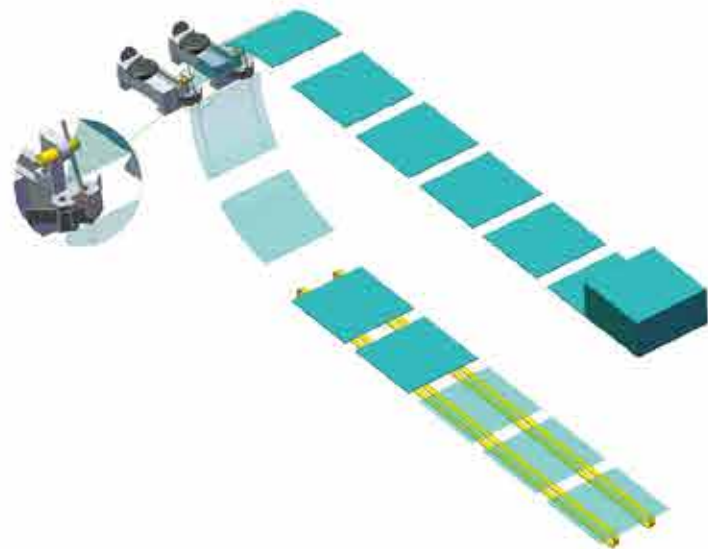
对裱卡纸
Laminating cardboard

中纤板
MDF



采用皮带摩擦自动送纸，单边靠边自动纠偏原理（比双边靠边精度提高50%）保证送板精度，解决手动送板不稳定的因素。滚筒皮带捆绑开槽，才能保证开槽的精度和速度。适用于制作天地盖盒（横竖开槽）、书型盒、酒盒、手机盒（电子产品）、首饰盒、月饼盒等，只要有单边可以定位的各种材质的异形盒子均可开槽。收料部分两层，上层收成品，下层将四角边料输送至机器后部清废。

Adopt belt friction automatic cardboard feeding, single-sided edge automatic correction principle to ensure the accuracy of cardboard feeding and solve the factor of manual cardboard feeding instability. Drum belt strapping grooving can ensure the accuracy and speed of grooving. It is suitable for making heaven and earth cover box (horizontal and vertical slotting), book type box, wine box, cell phone box (electronic products), jewelry box, moon cake box, Shaped boxes of various materials can be grooved as long as there is a single side that can be positioned.



赛力提高包装盒的视觉效果 Saili improves the visual effect of Package Box

主要技术参数 Technical Parameters

| 功能 | Function | KLZ-910 |
|------|--------------------|--|
| 进料尺寸 | Material Width | 95-800mm |
| 进料尺寸 | Material Length | 95-300mm |
| 最高精度 | Best Accuracy | ±0.1mm |
| 正常精度 | Normal Accuracy | ±0.15mm |
| 最快速度 | Fastest Speed | 30-32m/min 120-150pcs/min(work piece size 200×200mm) |
| 正常速度 | Normal Speed | 20-25 m./min |
| 开槽角度 | Groove Degree | 80°-140° adjustable |
| 板材厚度 | Thickness | 1.0-2.5mm |
| 开槽条数 | Quantity Of Groove | 9 |
| 整机功率 | Power | 2.2kw |
| 整机尺寸 | Dimension | 2100×1410×1375mm |
| 整机重量 | Weight | 1500kg |

SLQ-600B

SHAPED BOX BIDIRECTIONAL GROOVING MACHINE
异形盒双向开槽机



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灰纸板
Gray board

对裨卡纸
Laminating cardboard

卡纸
Ivory board



重大优点 Major Advantages

1. 吸气式皮带送纸，前后组合刮刀，提高异形盒分张走纸的稳定性。
 2. 滚筒（翻转）转向（无刮花），速度快。
 3. 侧面排废：侧面整体清废，提高产能使设备更加稳定。
 4. 自动收成品：节省成品的整理时间。
1. The suction belt feeds the cardboard and the front and rear combination squeegee to improve the stability of the sheeting of shaped boxes.
 2. Scroll flipping steering system (no scratch), fast, high stability.
 3. Waste discharge: the waste will be delivery out of the machine automatically by dedicated conveyor belt, improve capacity to make the equipment more stable.
 4. Automatic collection of finished products: save the finishing time of finished products.

主要技术参数 Technical Parameters

| 功能 | Function | SLQ-600B |
|-----------|---------------------------------------|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 120-500mm, Width: 120-600mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 120-600mm, Width: 120-500mm |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 6条 6 lines |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 6条 6 lines |
| 最高精度 | Best Accuracy | ±0.1mm |
| 正常精度 | Normally Accuracy | ±0.15mm |
| 材料厚度 | Material Thickness | 200-2.5mm |
| 刀头角度 | Grooving Angle | 80度-140度可以调 (90°=80°-110°) (120°=110°-140°) (90°knife holder used for making 80°-110°grooving angel) (120°knife holder used for making 110°-140° grooving angel) |
| 刀头角度调节方式 | Adjustable Angle Type | 每把刀头单独调节 Knife holder can adjustable independently |
| 速度 | Speed | (300mm×300mm)/120pcs/min 120pcs/min (if size 300×300mm) |
| 横梁条数 | Quantity Of Girder | 第一道2条，第二道2条 2Girders (1st step), 2Girders (2nd step) |
| 多少排刀 | Quantity Of Knife Row | 第一道和第二道各3排刀 3 rows of knife on each grooving part |
| 送纸方式 | Feeding Type | 皮带摩擦 Belt friction type |
| 左右调刀 | Knife Left Or Right Position | 手轮快速移动 Gear Adjustable |
| 刀尖对刀 | Knife Adjustment | 工具快速对齐刀片 Use tool to align the blade |
| 清废 | Waste Material Delivery System | 吸气+机器侧面自动清废 Suction device + side delivery system |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener |
| 整机重量 | Weight | 5200KGS |
| 功率 | Power | 12kw |
| 整机尺寸 | Machine Size | 3600×3120×1630mm |
| 操作占地面积 | Floor Space Of Machine | 10m² |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 皮带纠偏+拉线 Belt Correction+stell ball correction |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 皮带纠偏+拉线 Belt Correction+stell ball correction |
| (转向) 翻转原理 | Flipping Principle (Change Direction) | 滚筒翻转 (翻转原理) Scroll Flipping (Flipping principle) |

SLZ-928B

AUTOMATIC GROOVING MACHINE
磁栅异形开槽机



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重大优点 Major Advantages

1. 自动清废功能
2. 磁栅辅助定位系统
1. Automatic waste delivery system
2. Magnetic grating assisted positioning system

吸气式皮带送纸、前后组合刮刀，提高异形盒分张走纸的稳定性。
皮带把纸板捆绑在滚筒表面进行开槽加工，保证开槽的速度及精度。
适用于各种异形小盒子开槽。

The suction belt feeds the cardboard and the front and rear combination
squeegee to improve the stability of the sheeting of shaped boxes. The belt
ties the cardboard to the surface of the drum for grooving, ensuring speed
and accuracy of grooving. Suitable for grooving all kinds of small shaped boxes.



1

磁栅数显调节尺寸
Magnetic grid digital
display for size adjustment

2

侧面锁刀杆，解决重复
换刀的误差
Side locking tool lever to
solve the error of
repeated knife changes

3

靠边调节人性化
设计，提升调节速度
Humanized design of the edge
correction adjustment to
enhance the adjustment speed.

4

人体工程学收料，提高
操作舒适度
Ergonomic take-up for
increased operating comfort

5

双齿条交叉调节
皮带，无死角压紧工件
Double rack and pinion
cross-adjustment belt for
dead-angle free
pressing of the workpiece

灰纸板
Gray board

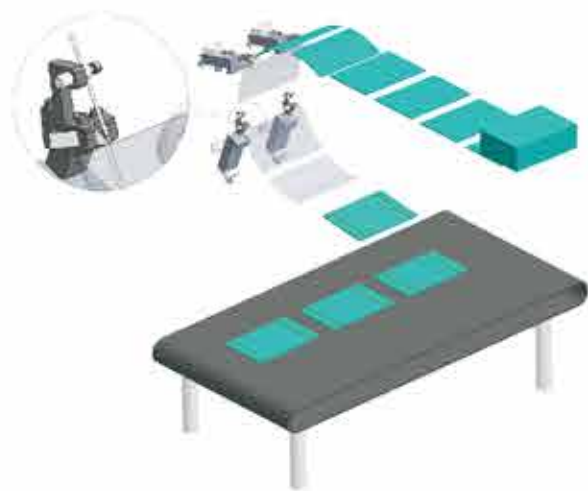
铜版纸
Coated paper

对裱卡纸
Laminating cardboard

卡纸
Ivory board

主要技术参数 Technical Parameters

| 功能 | Function | SLZ-928B |
|--------|--------------------------------|---|
| 左右微调 | Knife Left Right Fine Tuning | 磁栅数显精度 (Accuracy) 0.02mm |
| 进料尺寸 | Width Of Work Piece | 100-850mm |
| 进料尺寸 | Length Of Work Piece | 100-500mm |
| 开槽角度 | Groove Degree | 90°-130°可调 (adjustable) |
| 正常精度 | Normal Accuracy | ±0.1mm |
| 开槽条数 | Quantity Of Groove | 12条 |
| 板材厚度 | Thickness Of Work Piece | 200g-2.0mm |
| 送纸方式 | Feeding Type | 皮带摩擦 Belt friction type |
| 单双通道 | Single Or Double Feeder | 双通道 Double feeder |
| 大滚筒皮带 | Scroll Belt | 手轮快捷移动皮带 Move the belt by hand wheel quickly |
| 清废 | Waste Material Delivery System | 机器侧面自动清废 Automatic waste removal from the side of the machine |
| 刀头角度调节 | Grooving Angle | 每把刀单独调节角度 Independent adjustment of each knife head |
| 磨刀机 | Knife Sharpener | 两片自动磨刀 2 pcs blades sharpen automatically |
| 整机重量 | Weight | 2000KG |
| 整机功率 | Power | 2.5KW |
| 整机展开尺寸 | Dimension | 2650x1530x1550mm |
| 最快速度 | Best Speed | 30-32m/min (200x200mm) 120-150PCS/min |



SLZ-928

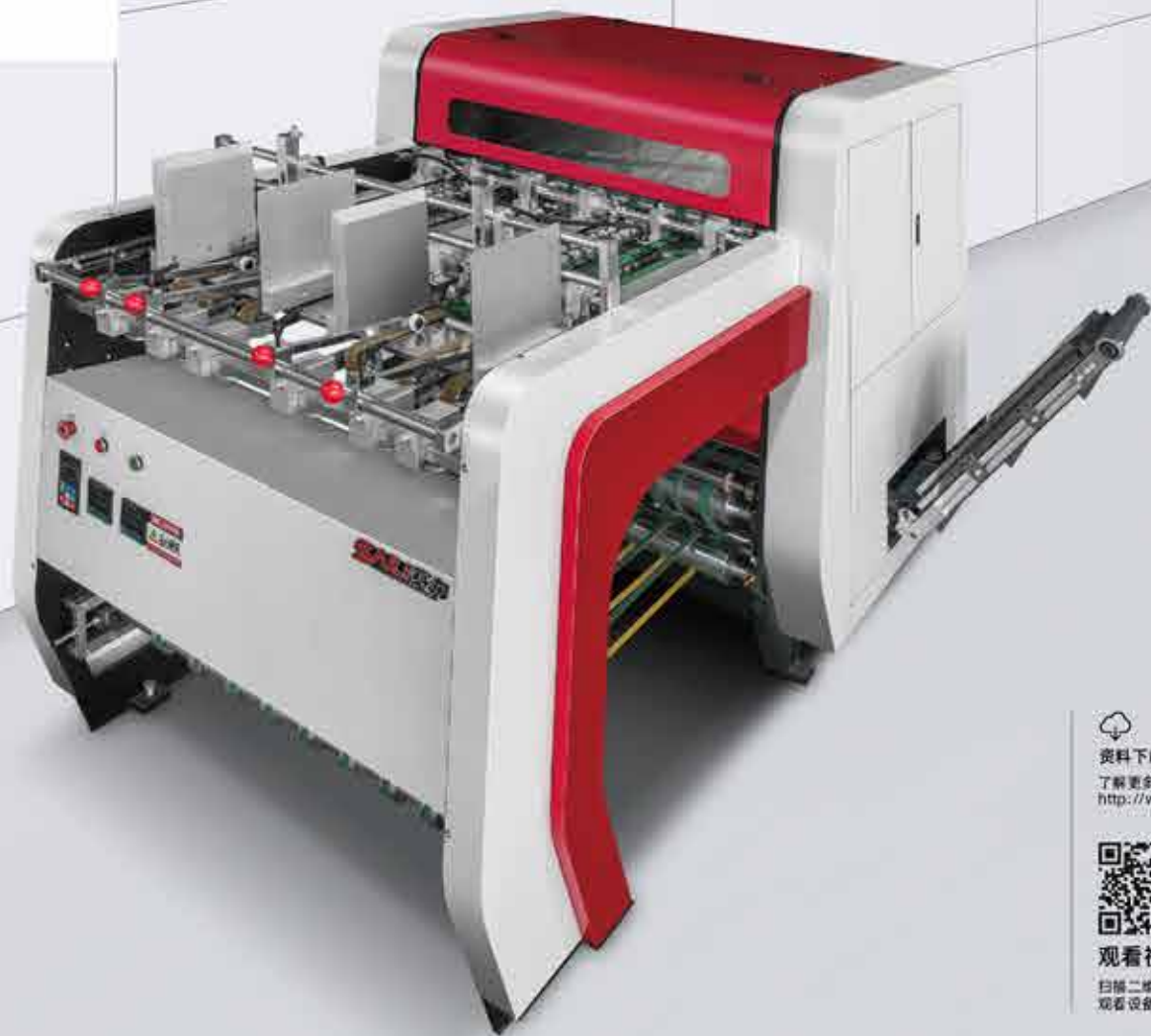
AUTOMATIC GROOVING MACHINE 全自动磁栅开槽机

灰纸板
Gray board

铜版纸
Coated paper

对裱卡纸
Laminating cardboard

卡纸
Ivory board



重大优点 Major Advantages

1. 自动清废功能
2. 磁栅辅助定位系统
1. Automatic waste delivery system
2. Magnetic grating assisted positioning system



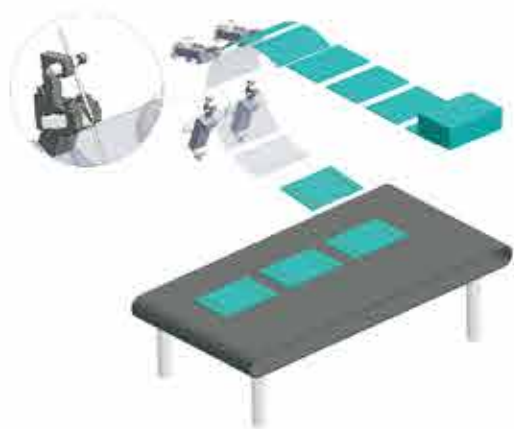
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采用皮带摩擦自动送纸，单边靠边自动纠偏原理（比双边靠边精度提高50%）保证送板精度，解决手动送板不稳定的因素。滚筒皮带捆绑开槽，才能保证开槽的精度和速度。适用于制作天地盖盒（横竖开槽）、月饼盒等，只要有单边可以定位的各种材质的异形盒子均可开槽。

Adopt belt friction automatic cardboard feeding, single-sided edge automatic correction principle to ensure the accuracy of cardboard feeding and solve the factor of manual cardboard feeding instability. Drum belt strapping grooving can ensure the accuracy and speed of grooving. Suitable for making heaven and earth cover boxes (horizontal and vertical grooving), book-shaped boxes, etc. Shaped boxes of various materials can be grooved as long as there is a single side that can be positioned.

1

可以独立调节开槽角度
The slotting
Angle can be adjusted
independently

2

单组刀调节0.01mm精度
The precision of single
group knife
adjustment is 0.01mm

3

可快捷移动皮带
Move the belt
quickly

4

开槽精度±0.05mm
Slotting accuracy
±0.05mm

主要技术参数 Technical Parameters

| 功能 | Function | SLZ-928 |
|----------|--|---|
| 左右微调 | Knife Left Right Fine Tuning | 磁栅数显精度 (Accuracy) 0.01mm |
| 进料尺寸 | Width Of Work Piece | 100-850mm |
| 进料尺寸 | Length Of Work Piece | 100-500mm |
| 开槽角度 | Groove Degree | 90°-130°可调 (adjustable) |
| 正常精度 | Normal Accuracy | ±0.1mm |
| 开槽条数 | Quantity Of Groove | 12条 |
| 最高精度 | Best Accuracy | ±0.05mm |
| 左右微调刻度单位 | Scale Units For Left And Right Fine Tuning | ±0.01mm |
| 板材厚度 | Thickness Of Work Piece | 200g-3.0mm |
| 送纸方式 | Feeding Type | 皮带摩擦 Belt friction type |
| 单双通道 | Single Or Double Feeder | 双通道 Double feeder |
| 大滚筒皮带 | Scroll Belt | 手轮快捷移动皮带 Move the belt by hand wheel quickly |
| 清废 | Waste Material Delivery System | 机器侧面自动清废 Automatic waste removal from the side of the machine |
| 刀头角度调节 | Grooving Angle | 每把刀单独调节角度 Independent adjustment of each knife head |
| 磨刀机 | Knife Sharpener | 两片自动磨刀 2 pcs blades sharpen automatically |
| 整机重量 | Weight | 2000KG |
| 整机功率 | Power | 2.5KW |
| 整机展开尺寸 | Dimension | 2976×2886×1550mm |
| 最快速度 | Best Speed | 30-32m/min (200×200mm) 120-150PCS/min |

KLZ-920

AUTOMATIC GROOVING MACHINE
全自动滚筒式起沟机

● 自动清废功能
Automatic waste delivery system

灰纸板
Gray board

铜版纸
Coated paper

对裨卡纸
Laminating cardboard

卡纸
Ivory board



为高端市场而配备
For the high end of the market



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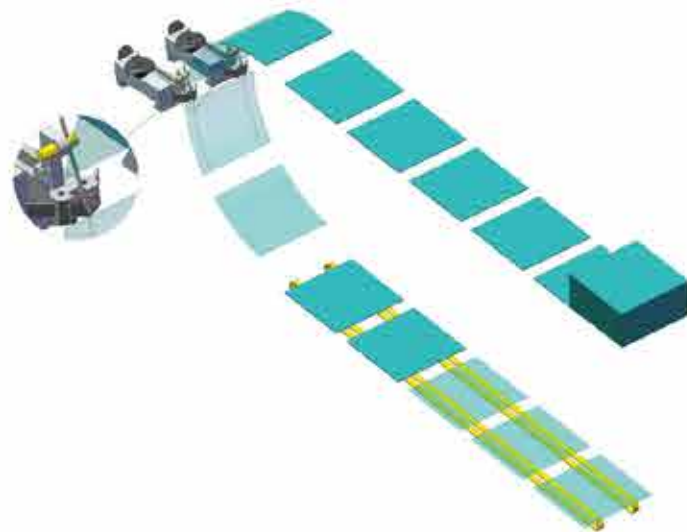


观看视频

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采用皮带摩擦自动送纸，单边靠边自动纠偏原理（比双边靠边精度提高50%）保证送板精度，解决手动送板不稳定的因素。滚筒皮带捆绑开槽，才能保证开槽的精度和速度。适用于制作天地盖盒（横竖开槽）、书型盒、酒盒、手机盒（电子产品）、首饰盒、月饼盒等，只要有单边可以定位的各种材质的异形盒子均可开槽。

Adopt belt friction automatic cardboard feeding, single-sided edge automatic correction principle to ensure the accuracy of cardboard feeding and solve the factor of manual cardboard feeding instability. Drum belt strapping grooving can ensure the accuracy and speed of grooving. It is suitable for making heaven and earth cover box (horizontal and vertical slotting), book type box, wine box, cell phone box (electronic products), jewelry box, moon cake box. Shaped boxes of various materials can be grooved as long as there is a single side that can be positioned. Both sides of the receiving part, the upper layer receives the finished product, and the lower layer conveys the four corners to the rear of the machine to clear the waste.



主要技术参数 Technical Parameters

| 功能 | Function | KLZ-920 |
|--------|--------------------------------|---|
| 进料尺寸 | Material Width | 100-850mm |
| 进料尺寸 | Material Length | 100-450mm |
| 最高精度 | Best Accuracy | ±0.05mm |
| 正常精度 | Normal Accuracy | ±0.1mm |
| 最快速度 | Fastest Speed | 100-120pcs/min (200×200mm) |
| 正常速度 | Normal Speed | 20-25 m/min |
| 开槽角度 | Groove Degree | 80°-140° adjustable |
| 板材厚度 | Thickness | 250g-3.0mm |
| 送纸方式 | Feeding Type | 皮带摩擦 Belt friction type |
| 单双通道 | Single Or Double Feeder | 双通道 Double feeder |
| 大滚筒皮带 | Scroll Belt | 手轮快速移动皮带 Move the belt by hand wheel quickly |
| 清废 | Waste Material Delivery System | 机器侧面自动清废 Automatic waste removal from the side of the machine |
| 刀头角度调节 | Grooving Angle | 每把刀单独调节角度 Independent adjustment of each knife head |
| 磨刀机 | Knife Sharpener | 两片自动磨刀 2 pcs blades sharpen automatically |
| 开槽条数 | Quantity Of Groove | 12条 |
| 整机功率 | Power | 2.5KW |
| 整机尺寸 | Dimension | 2575×1895×1550mm |
| 整机重量 | Weight | 1800KG |

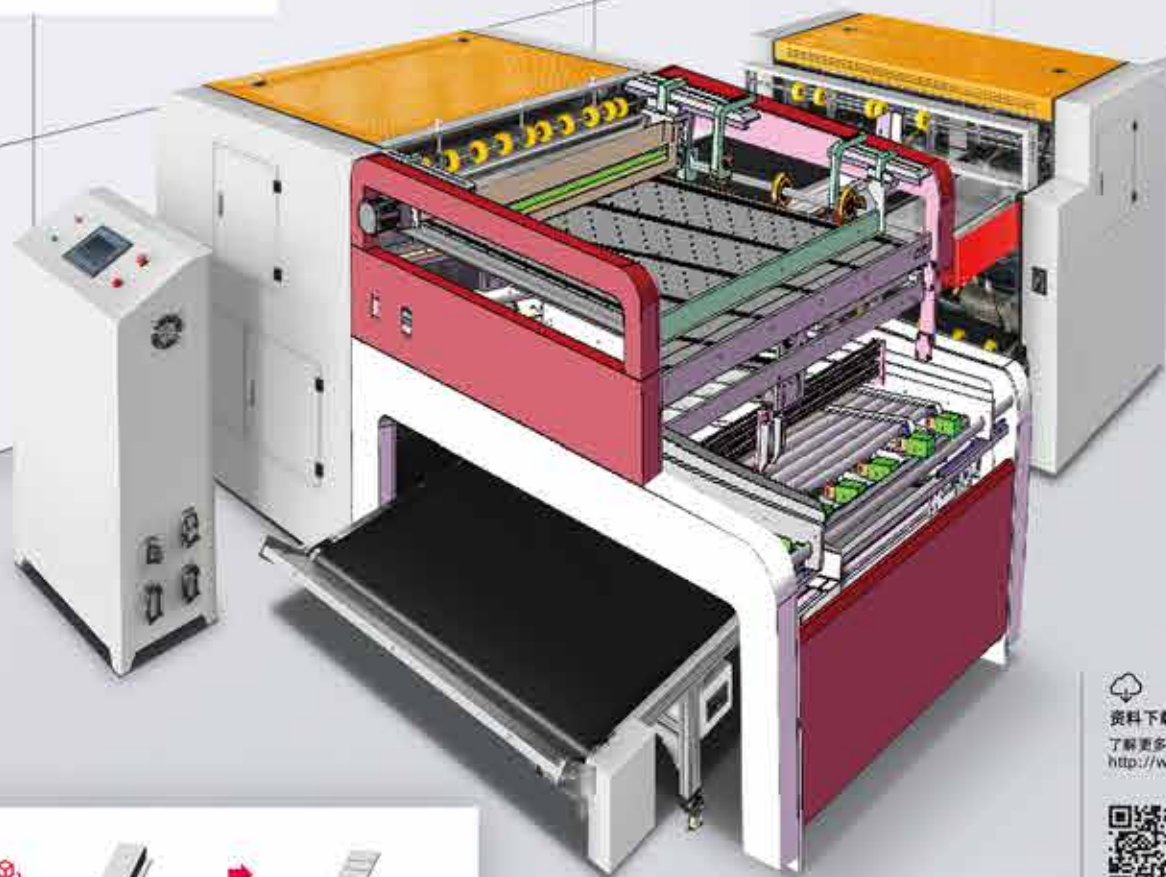
SLF-1300

AUTOMATIC BIDIRECTIONAL SLITTING MACHINE 滚筒式双向纸板分切机

本设备用于对纸板进行分切。主要用于硬纸板、工业纸板、灰纸板等材料的分切，一次性完成横向和纵向的分切。在切板的同时还清除边料的功能。分切精度高，生产效率快，是生产制作精装书本封面所必备的设备。

This machine is used for slitting the cardboard, such as strong cardboard, industrial cardboard, gray cardboard and other materials. It had the function of clearing the edge material. It is the necessary equipment for producing the hardcover book covers with high precision and high efficiency.

灰纸板
Gray board



工艺流程 Process flow



原板材
Gray board



纸板第一次切割形状
Cardboard first cutting shape



调整方向
Adjust the direction



纸板二次切割形状
Cardboard second cutting shape



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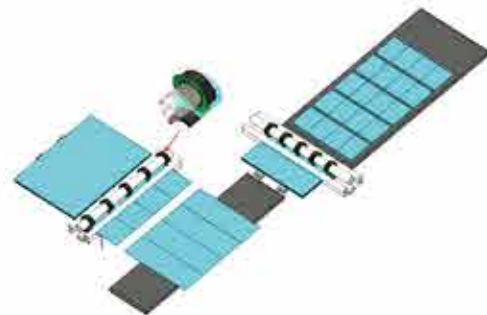


观看视频

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重大优点 Main Advantage

1. 手动上料，自动进料。
2. 采用新型的输送结构，将纸板包裹在直径为60cm的滚筒表面，用直刀分切纸板，保证切边平整光滑无偏差。
3. 精致输送：自动收集一次分切后的纸板并整理输送至堆放平台，以便二次分切。
4. 二次分切：切出所需的纸板尺寸，同时自动清理废边。
5. 分切后的纸板由专用输送带自动输出。
6. 本机具有高精度、高效率、高节能等特点，配备耐用刀片。



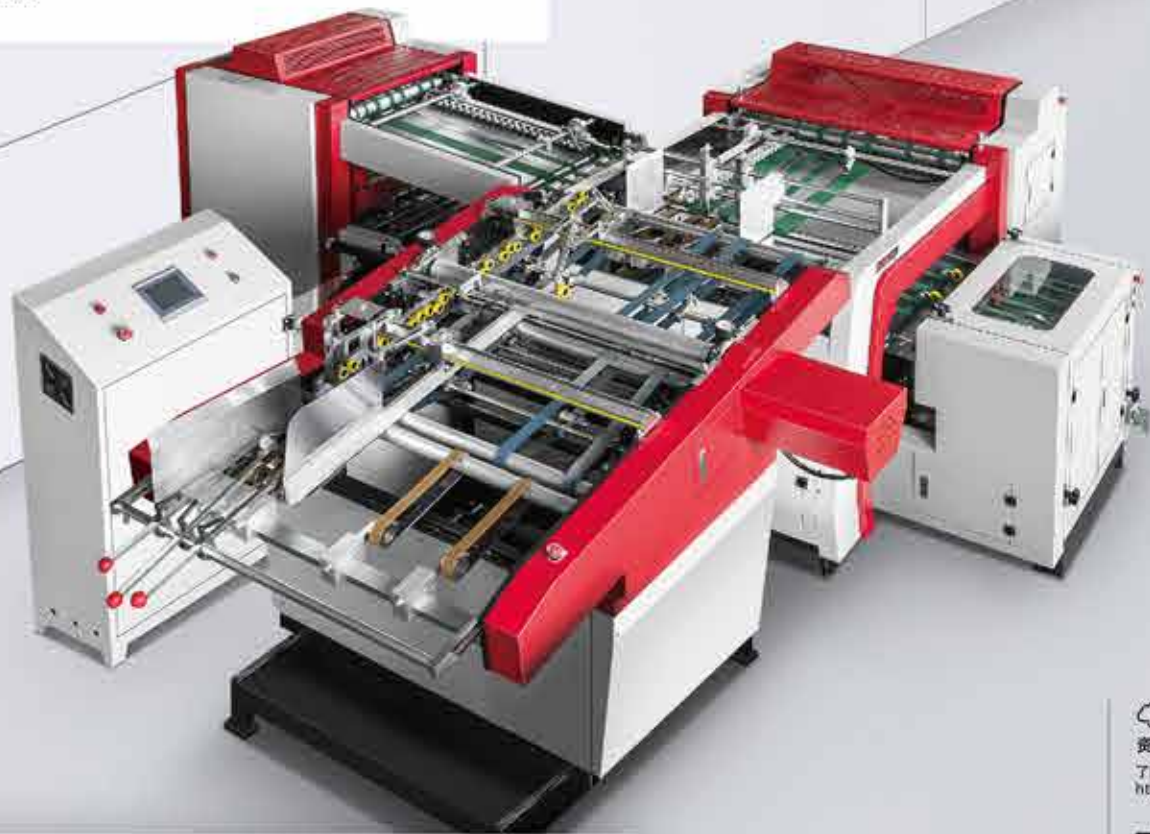
主要技术参数 Technical Parameters

| 功能 | Function | SLF-1300 |
|------------|--------------------------------------|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 700-1200mm, Width: 700-1200mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 140-700mm, Width: 700-1200mm |
| 第一道条数 (分切) | Max Slitting Lines Of 1st Step | 9条 |
| 第二道条数 (分切) | Max Slitting Lines Of 2nd Step | 9条 |
| 最高精度 | Best Accuracy | ±0.15mm |
| 正常精度 | Normally Accuracy | ±0.3mm |
| 材料厚度 | Material Thickness | 1.5-3.0mm |
| 速度 | Speed | 大板: 12-15张/min Big cardboard; 12-15pcs/min |
| 第一道送纸方式 | Feeding Type Of 1st Step | 大板整条皮带分张 Use belt feeding system to split whole stack cardboard |
| 第二道送纸方式 | Feeding Type Of 2nd Step | 整条推块分张 stacking platform |
| 左右调刀 (分切) | Knife Left Or Right Movement | 整条移动+微调 Whole knife moving + fine tuning |
| 调刀深浅 (分切) | Adjustable Knife Depth | 微调 (手动) Fine tuning (manual) |
| 安装分切刀片 | Install Slitting Knife | 单片夹具固定 Single-piece fixture fixing |
| 固定皮带左右调节 | Fixed Belt Left And Right Adjustment | 整条快速移动 Whole fast moving |
| 边角料清理 | Waste Discharge | 自动清废 (整条) Automatic waste deliver |
| 转向原理 | Steering Principle | L型转向 (整条) L type steering |
| 废料最小宽度 | Min,width Of Waste Material | 10mm |
| 刀与刀最小间距 | Min Distance Between 2 Blade | 70mm |
| 最小分切尺寸 | Min.size Of Finished Product | Length: 140mm, Width: 70mm |
| 电压 | Voltage | 380v 50hz 3phase |
| 整机重量 | Weight | 3300kg |
| 功率 | Power | 10kw |
| 整机尺寸 | Machine Size | 3400×4100×1600mm |
| 操作占地面积 | Floor Space Of Machine | 15m ² |

SLG-600G

AUTOMATIC BIDIRECTIONAL CORNER CUTTING AND GROOVING MACHINE
割线去角双向开槽机

灰纸板
Gray board



工艺流程 Process flow



分切灰板
Gray board



模切半刀
Die-cutting half cutter



纵向开槽
Vertical grooving



横向开槽
Horizontal grooving



去角
Removal corners



成品
Finished products



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观看视频

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重大优点 Major Advantages

1. 一机双重使用，天地盖的双向开槽与皮壳的单向开槽，需要时设备可转换功能（需要时可关闭模切功能）。
 2. 具有产品半重叠转向机构稳定性优点：第一道转向至第二道时可半重叠状态（同比速转向部位速度可以适当慢些）不影响整机速度的前提下，提高了稳定性。
 3. 生产皮壳的使用：转向输送部的皮带可以在电脑上设置正反输送，所以生产皮壳时不需要经过第二道成品。直接设置转向皮带反转，第一道开槽完成直接到收料机上。
 4. 自动收成品。
1. Double use of a machine, the two-way grooving of the rigid boxes and the one-way grooving of the case cover, the equipment can be converted to function when needed.
 2. Has the advantage of the stability of the product half overlap steering mechanism: the first turn to the second can be half overlap state (The same ratio of the state, the steering part speed can be appropriate slower) does not affect the speed of the whole machine under the premise of improving the stability.
 3. The use of production case cover: The belt of steering conveyor section can be set on the computer to convey forward and reverse, so the production of case cover does not need to go through the second grooving part. Directly set the steering belt reversal, the first channel grooving is completed directly to the receiving conveyor belt.
 4. Automatic collection of finished products.

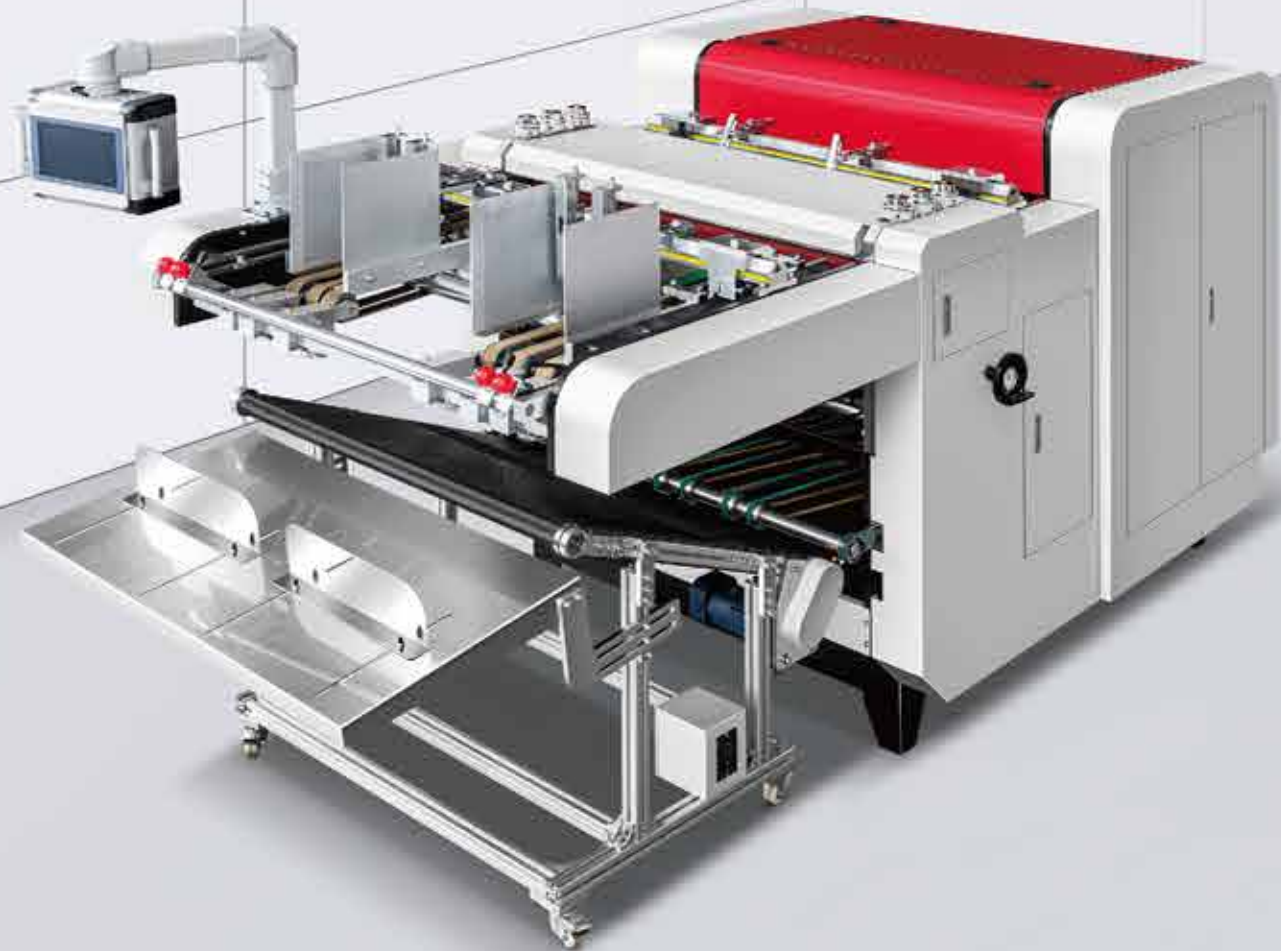
主要技术参数 Technical Parameters

| 功能 | Function | SLG-600G |
|----------|--------------------------------------|---|
| 第一道进料尺寸 | Material Size Of 1st Step | Length: 120-600mm, Width: 120-550mm |
| 第二道进料尺寸 | Material Size Of 2nd Step | Length: 120-550mm, Width: 120-600mm |
| 正常精度 | Normally Accuracy | ±0.15mm |
| 割线长度范围 | Length Of Corner Cutting | 15-120mm |
| 材料厚度 | Material Thickness | 1.5mm-3.5mm |
| 刀头角度 | Grooving Angle | 90度-130度可以调 (90°knife holder used for making 90°-110° grooving angle) (120°knife holder used for making 110°-130° grooving angle) |
| 刀头角度调节方式 | Adjustable Angle Type | 横梁整排调节 Need to adjust the whole row of crossbeam |
| 横梁条数 | Numbers Of Girder | 第一道2条；第二道1条 2 on 1st grooving part, 1 on 2nd grooving part |
| 多少排刀 | Numbers Of Knife Holder | 第一道两排刀；第二道一排刀 2 rows of knife on 1st grooving part; 1 row of knife |
| 第一道开槽条数 | Max Grooving Lines Of 1st Step | 8条 8 grooving lines |
| 第二道开槽条数 | Max Grooving Lines Of 2nd Step | 4条 4 grooving lines |
| 送料方式 | Feeding Type | 皮带摩擦 Belt feeder |
| 模切角度调节 | Die-cutting Angle Adjustment | 伺服数控调节 Servo CNC automatic adjustment |
| 割线精度 | Corner Cutting Accuracy | ≤0.2mm |
| 割线去角部 | Corner-Cutting Section | 伺服控制 Servo control |
| 调刀左右 | V Grooving Knife Position Adjustment | 齿轮（手感） Gear Adjustable |
| 调刀深浅 | V Grooving Depth Adjustment | 螺丝（手感） Screw Adjustable |
| 刀尖对刀 | Knife Adjustment | 经验（手感） Operator Experience and technology |
| 滚筒皮带调节 | Scroll Belt Adjustment | 手轮快捷移动皮带 Remove the belt by handwheel |
| 清废 | Waste Material Delivery System | 机器后部出废料（一部与二部） The conveyor belt at the rear of the machine discharges waste |
| 磨刀机 | Knife Sharpener | 自动磨刀机 Auto knife sharpener |
| 速度 | Speed | 300mm×300mm/130只/min |
| 整机重量 | Weight | 4300KG |
| 功率 | Power | 6.0KW |
| 整机尺寸 | Machine Size | 4500×3900mm×1450mm |
| 操作占地面积 | Floor Space Of Machine | 18m ² |
| 第一道纠偏原理 | Correction Principle Of 1st Step | 橡胶轮 Rubber wheel |
| 第二道纠偏原理 | Correction Principle Of 2nd Step | 橡胶轮 Rubber wheel |
| 翻转原理 | Flipping Principle | 产品半重叠转回（提高稳定性和速度） Product half overlap turn back (Improved stability and speed) |

SLG-850S

AUTOMATIC CORNER CUTTING AND GROOVING MACHINE
全自动割线去角开槽机

灰纸板
Gray board



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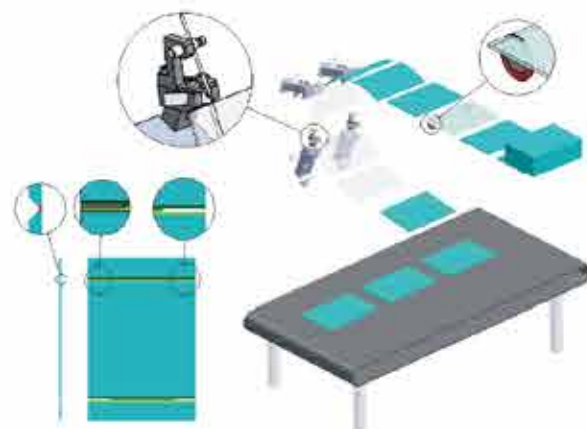
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工艺流程 Process flow



赛力让世界包装盒变得更漂亮
Saili makes the world's packaging box more beautiful



主要技术参数 Technical Parameters

| 功能 | Function | SLG-850S |
|-------|-------------------------|--------------------------------------|
| 进料尺寸 | Material Width | 130×130-550×850mm |
| 槽间距精度 | Grooving Precision | ±0.1mm |
| 运行速度 | Speed | 100-120pcs/min (200×200mm) |
| 纸板厚度 | Thickness Of Cardboard | 1.5-3.0mm |
| 开槽角度 | Groove Degree | 90°-130°可调 |
| 割线过线 | Corner Cutting Accuracy | <2mm |
| 切角方式 | Way Of Corner Cutting | 伺服控制 By Servo controller |
| 收料方式 | Receiving Method | 自动爬坡收料台 By slant conveyor belt table |
| 横梁 | Crossbeam | 双横梁 2 crossbeams |
| 多少把刀 | Numbers Of Knife Holder | 5×90°+4×120° |
| 整机功率 | Power | 3.5KW |
| 整机尺寸 | Dimension | 2650×1432×1438mm |
| 整机重量 | Weight | 1650KG |

KL-VX8/SL-V8

CNC FLAT GROOVING MACHINE / DIGITAL FALT GROOVING MACHINE
数控开槽机/数显开槽机



- 纸塑板
Paper plastic board
- 灰纸板
Cardboard gray paper
- 中纤板
MDF
- 瓦楞纸
Corrugated paper



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观看视频

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本机适用于对纸塑立体盒、纸托、瓦楞纸、卡纸等材料开槽及局部开V型槽。

This machine is suitable for grooving and partial V-grooving of paper pulp mold, paper trays, corrugated paper, cardboard and ivory board, etc.



主要技术参数 Technical Parameters

| 功能 | Function | KL-VX8 数控开槽机 CNC Flat Grooving Machine | 5L-V8 数控开槽机 Digital Flat Grooving Machine |
|-------|-------------------------|--|---|
| 进料尺寸 | Material Size | 长: 50-800mm; 宽: 50-600mm | 长: 50-800mm; 宽: 50-600mm |
| 操作台尺寸 | Working Platform Size | 650×1000mm | 650×1000mm |
| 纸塑高度 | Pulp Mold Height | ≤150mm | ≤150mm |
| 槽间距精度 | Grooving Precision | ±0.1mm | ±0.1mm |
| 开槽角度 | Groove Degree | 90°-130°可调 90°-130°adjustable | 90°-130°可调 90°-130°adjustable |
| 两槽间距 | Distance Of Each Groove | 0-800mm | 0-800mm |
| 纸塑厚度 | Paper-plastic Thickness | 1.0-1.5mm | 1.0-4.0mm |
| 运行速度 | Speed | 15次来回/分钟 15 trips/Min | 15次来回/分钟 15 trips/Min |
| 开槽条数 | Grooving Lines | 4条 4lines | 8条 8lines |
| 横梁 | Crossbeam | 2排 2 crossbeams | 2排 2 crossbeams |
| 整机功率 | Power | 6.0KW | 6.0KW |
| 整机尺寸 | Dimension | 1860×1462×1500mm | 1860×1462×1500mm |
| 整机重量 | Weight | 2000KG | 2000KG |

SLG-850/850L

AUTOMATIC CORNER CUTTING AND GROOVING MACHINE 全自动割线去角开槽机

灰纸板
Gray board



主要技术参数 Technical Parameters

| 功能 | Function | SLG-850 | SLG-850L |
|-------|-------------------------|----------------------------|----------------------------|
| 进料尺寸 | Material Width | 130×130-550×850mm | 150×150-650×1050mm |
| 槽间距精度 | Grooving Precision | ±0.1mm | ±0.1mm |
| 运行速度 | Speed | 100-120pcs/min (200×200mm) | 100-120pcs/min (200×200mm) |
| 纸板厚度 | Thickness Of Cardboard | 1.5-3.0mm | 1.5-3.0mm |
| 开槽角度 | Groove Degree | 90°-130°可调 | 90°-130°可调 |
| 割线过线 | Corner Cutting Accuracy | ≤5mm | ≤5mm |
| 横梁 | Crossbeam | 双横梁 2 crossbeams | 双横梁 2 crossbeams |
| 多少把刀 | Numbers Of Knife Holder | 5×90°+4×120° | 5×90°+4×120° |
| 整机功率 | Power | 3.5KW | 5.1KW |
| 整机尺寸 | Dimension | 2650×1432×1438mm | 3520×1732×1290mm |
| 整机重量 | Weight | 1650KG | 2780KG |



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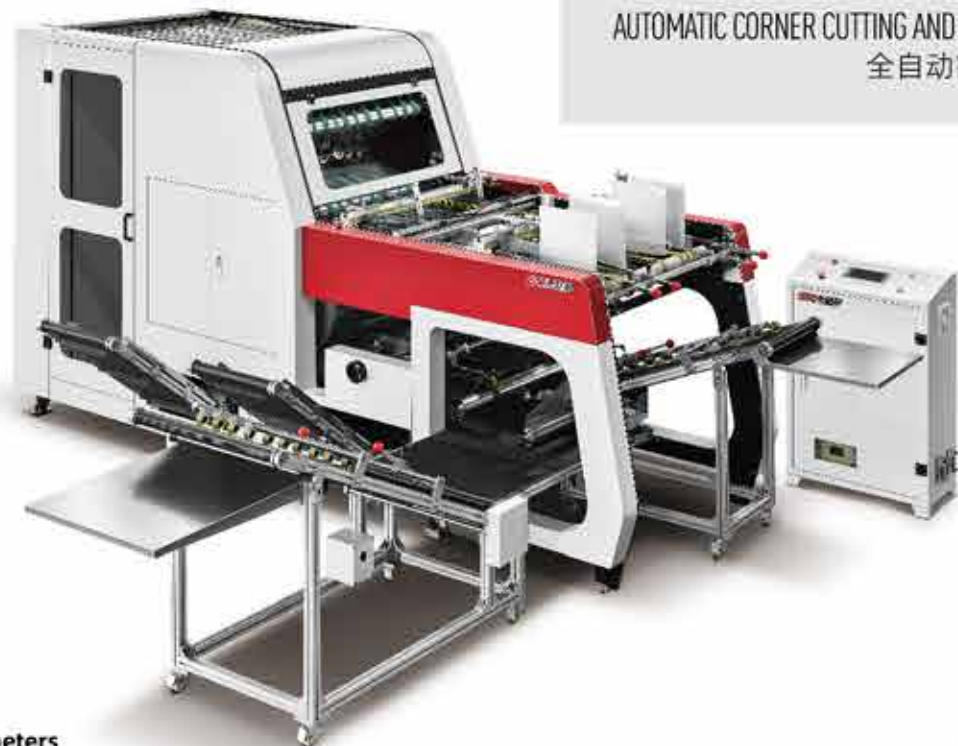


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AUTOMATIC CORNER CUTTING AND GROOVING MACHINE
全自动割线去角开槽机

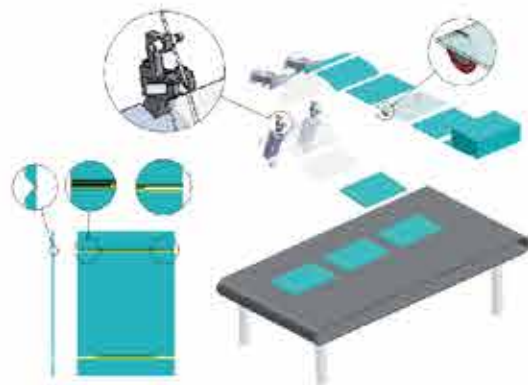
SLG-830



灰纸板
Gray board

主要技术参数 Technical Parameters

| 功能 | Function | SLG-830 |
|-------|-------------------------|----------------------------|
| 进料尺寸 | Material Width | 130×130-550×850mm |
| 槽间距精度 | Grooving Precision | ±0.1mm |
| 运行速度 | Speed | 100-120pcs/min (200×200mm) |
| 纸板厚度 | Thickness Of Cardboard | 1.5-3.0mm |
| 开槽角度 | Groove Degree | 90°-130°可调 |
| 割线过线 | Corner Cutting Accuracy | ≤3mm |
| 横梁 | Crossbeam | 双横梁 2 crossbeams |
| 多少把刀 | Numbers Of Knife Holder | 6×90°+6×120° |
| 整机功率 | Power | 6KW |
| 整机尺寸 | Dimension | 4120×3560×2020mm |
| 整机重量 | Weight | 3000KG |



KL-1350

CARDBOARD SLITTING MACHINE 纸板分切机

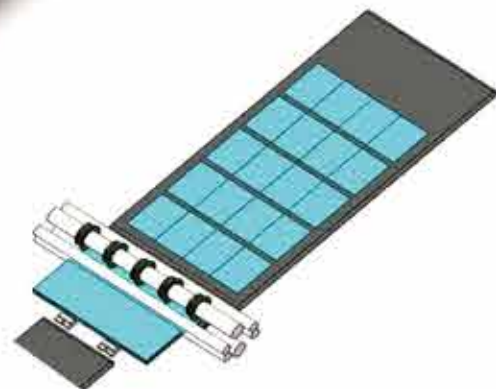
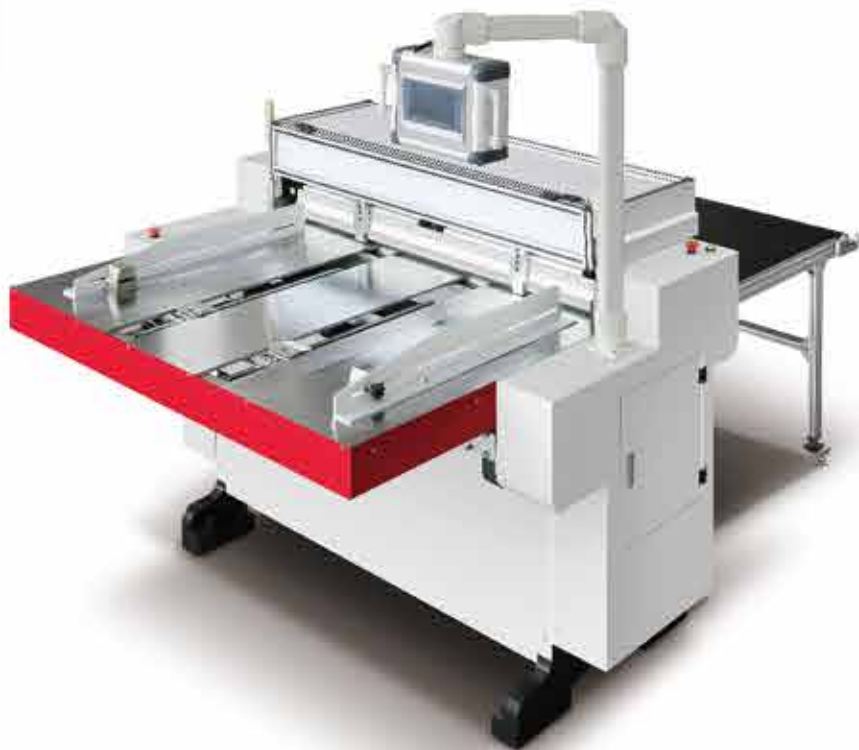
本设备用于对纸板进行分切。主要用于硬纸板、工业纸板、灰纸板等材料的分切，在切板的同时还清除边料的功能。分切精度高，生产效率快，是生产制作精装书本封面和包装盒所必备的设备。

This equipment is used to slit the cardboard. It is mainly used for the slitting of cardboard, industrial cardboard, gray cardboard and other materials, and the function of clearing the edge material while cutting the board. With high slitting precision and fast production efficiency, it is a necessary equipment for producing hardcover book covers and packaging boxes.

灰纸板
Cardboard gray paper

主要技术参数 Technical Parameters

| 功能 | Function | KL-1350 |
|------|----------------------|----------------------------------|
| 进料尺寸 | Cardboard Width | 宽 W: 100-1100mm - 长 L: 210-450mm |
| 板材厚度 | Cardboard Thickness | 1.5-3.0mm |
| 分切条数 | Max Slitting Numbers | 7-8 pieces |
| 生产速度 | Speed | 50pcs/min (Width: 1200mm) |
| 整机功率 | Power | 3KW/380V 3 phase |
| 整机重量 | Weight | 1800 kg |
| 整机尺寸 | Dimension | L1800x1780x1100mm |



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AUTOMATIC BIDIRECTIONAL PULP MOLD GROOVING MACHINE 全自动纸塑双向开槽机

SLS-V8

本机适用于对纸塑立体盒、纸托、瓦楞纸等材料开槽及局部开V型槽。

This machine is suitable for grooving and partial V-grooving of paper pulp mold, paper trays, corrugated paper, cardboard and ivoryboard, etc.



纸塑板
Paper plastic board

灰纸板
Cardboard gray paper

中纤板
MDF

瓦楞纸
Corrugated paper

主要技术参数 Technical Parameters

| 功能 | Function | SLS-V8 |
|--------|--|---|
| 进料尺寸 | Material Size | 长: 50-800mm; 宽: 50-600mm |
| 操作台尺寸 | Working Platform Size | 650×1000mm |
| 纸塑高度 | Pulp Mold Height | ≤150mm |
| 排废方式 | Waste Discharge Method | 自动吹气排废 Automatic blowing and waste discharge |
| 出料方式 | Receiving Method | 自动出料 Automatic discharge |
| 数值微调刻度 | Number Of Microscopic Adjustment Scale | 0.01mm |
| 槽间距精度 | Grooving Precision | +0.1mm |
| 开槽角度 | Groove Degree | 90°-130°可调 90°-130°adjustable |
| 两槽间距 | Distance Of Each Groove | 0-800mm |
| 纸塑厚度 | Paper-plastic Thickness | 1.0-3.5mm |
| 运行速度 | Speed | 8-12次来回/分钟 8-12 trips/Min |
| 开槽条数 | Grooving Lines | 8条 8lines |
| 横梁 | Crossbeam | 1道1排6把, 2道1排2把 1st part with 1 row of knife (totally 6 knives), 2nd part with 1 row of knife (totally 2 knives) |
| 整机功率 | Power | 6.0KW |
| 整机尺寸 | Dimension | 1860×1462×1500mm |
| 整机重量 | Weight | 2800KG |

SLG-600

Bidirectional Automatic
Corner Cutting And Grooving Machine
割线横竖开槽机



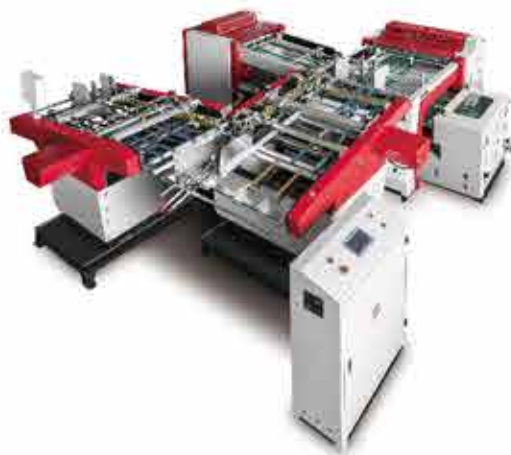
KLG-950/950L

High Speed Automatic
Grooving Machine
多功能高速开槽机



KLQ-600G

Automatic Bidirectional Corner
Cutting And Grooving Machine
全自动七字双向
割线开槽机



SLQ-1300

Automatic Bidirectional
Slitting Machine
双向纸板分切机



KL-V8

Flat Grooving Machine
平板开槽机



KL-1000-2

Semi Auto
Grooving Machine
滚筒式起沟机



KLZ-935/935L

Thin Cardboard Automatic
Grooving Machine
异型卡纸开槽机



KLZ-900

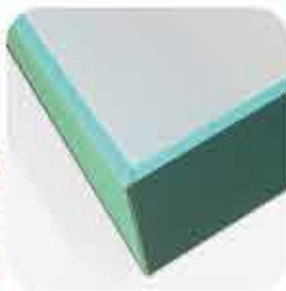
Automatic Grooving Machine
全自动滚筒式起沟机



开槽效果展示 Grooving effect display



纸板
Cardboard



卡纸
Ivory board



纸板分切
Cardboard
slitting



铜版纸
Coated paper



纸板U槽
Cardboard U
groove





中纤板L槽
MDF L groove



纸塑内托
Paper pulp mold



局部V槽
Partial groove



赋予彩盒生命力 让包装丰富生活

To make vitality for color box
To make the rich life for packaging



瓦楞纸
Corrugated paper



PVC开槽
PVC grooving



开槽机刀片
Grooving blade



中纤板V槽
MDF V groove



全球支持服务

我们乐于为您提供全方位支持

Global support services

We are pleased to provide you with comprehensive support



为更好地服务广大客户，我们在全球多个区域设立了办事处。并专注服务于礼品盒、手机盒、鞋盒、内衣盒、食品盒、五金盒等各个领域的包装机械设备。

我们拥有20多年丰富的行业经验，产品远销全球80多个国家，装机数量在同行中名列前茅。我们一直致力于为我们的业务合作伙伴提供实现目标所需的先进工艺、设备服务和创新技术，满足其特定的功能需求。

我们将持续以独特的市场定位、革新的技术实力，竭诚为客户提供全方位服务。

In order to better serve our customers, we have set up offices in several regions around the world. We also specialise in packaging machinery and equipment for various fields such as gift boxes, mobile phone boxes, shoe boxes, underwear boxes, food boxes and hardware boxes.

With more than 20 years of experience in the industry, our products are sold in more than 80 countries, and the number of installed machine is among the highest in the industry. We have always been committed to providing our business partners with the advanced processes, equipment services and innovative technologies needed to achieve their goals and meet their specific functional requirements.

We continue to provide our customers with a unique market position, innovative technological capabilities and a full range of services.

独具人性关怀的服务体系

Unique human care service system

每个行业都对他们的合作伙伴有着特殊的要求，每时每刻、精益求精。赢取客户满意度的第一步就是理解客户的要求。为此，当我们承接新任务的时候，首先要完整而准确地倾听客户的要求。不断革新的技术知识和我们整个企业团队的创新能力为我们具有最佳客户定位、量身定制的产品和以市场为导向的解决方案提供强有力的保证。

Each industry has its own special requirements for its partners. The first step in achieving customer satisfaction is to understand what the customer wants. To this end, when we undertake new tasks, the first thing is to fully and accurately listen to the requirements of the customer. Our innovative technical knowledge and the innovative capabilities of our entire enterprise team provide strong assurance that we have the best customer positioning, tailored products and market-oriented solutions.

提供全天候电话咨询服务。
Provide 24-hour telephone consultation service.



对用户提出的服务要求，在最短时间内
给与答复并提出解决方案
Service requirements for users,
in the shortest time Give answers and propose solutions



提供免费安装、调试、售后人员会告知
客户如何进行产品保养的常识
Provide free installation, debugging,
after-sales staff will inform How do customers carry
out product maintenance knowledge



售后服务人员随时待命，为客户解决各项疑难问题。
After-sales service personnel are always
ready to solve various problems for customers.



设备交货一周内，售后人员会进行电话跟踪咨询
直到客户满意为止。
Within one week after the delivery of the equipment,
the after-sales staff will conduct telephone tracking
consultation Until the customer is satisfied.



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To own our equipment is to enjoy a
one-year warranty for lifetime maintenance.





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