

XIAOMAI AUTOMATION · AUTUMN 2026

以毫米之精， 接住这个秋天

Catching This Autumn, to the Millimetre

小麦高端智能裁床 · 秋季上新季特别呈现

Xiaomai High-end Intelligent Cutter · Autumn 2026 Special



1820S-8CM | S 系列多层自动裁床

1820S-8CM | S-series Multi-layer Automatic Cutting Machine

东莞市小麦自动化科技有限公司 | 龙南小麦自动化科技有限公司 | 400-050-1183

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秋风一起，面料就开始“闹脾气”。薄的飘、厚的硬、弹的一碰就跑位。

Once the autumn wind arrives, fabrics start acting up. Thin ones drift, heavy ones stiffen, and stretchy ones shift at a touch.

而秋装上新、双十一备货、冬装打样，排单表一张比一张密。整条生产链上，最先撑不住的，往往就是裁剪车间。

小麦高端智能裁床，用三个“不挑”把面料接住，用三个“不断”把产能守住。

Autumn launches, Singles' Day stockpiling and winter sampling make the schedule denser week by week. Along the whole line, the cutting room is usually the first to buckle. Xiaomai's high-end intelligent cutter catches the fabric with three “no-picks” and protects throughput with three “non-stops”.

8cm

最高裁剪厚度
Max cutting thickness

280 / 230mm

铺布单拉 / 双拉
Spreading single / double pull

3.0×

漏气工况真空保持
Vacuum retention under leakage

1,000,000

床身耐压循环
Pressure cycles on the bed

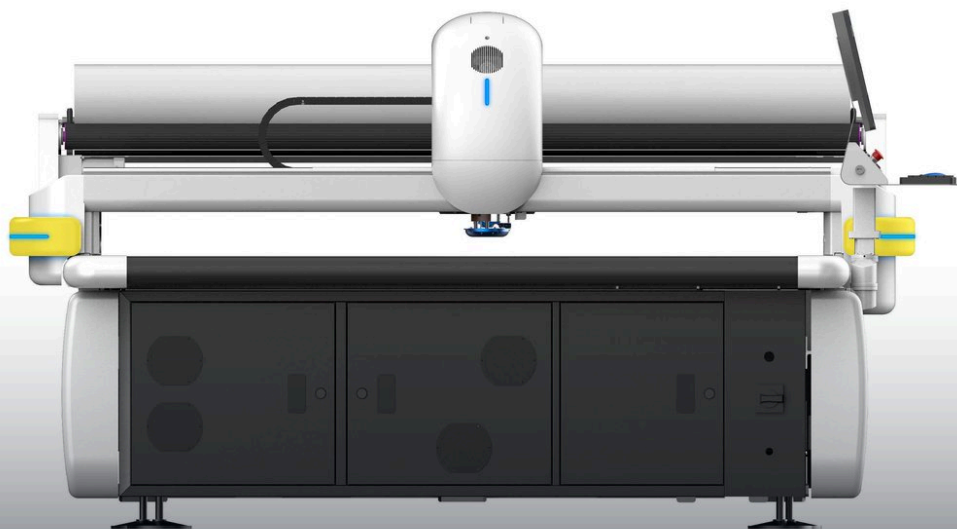


整机 · 白底标准视角
Complete machine · standard view

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一、秋天，是面料最难伺候的季节

01 · Autumn, the season when fabrics are hardest to please



小麦智能裁床 1820S · 整机正面
Xiaomai Intelligent Cutter 1820S · front view

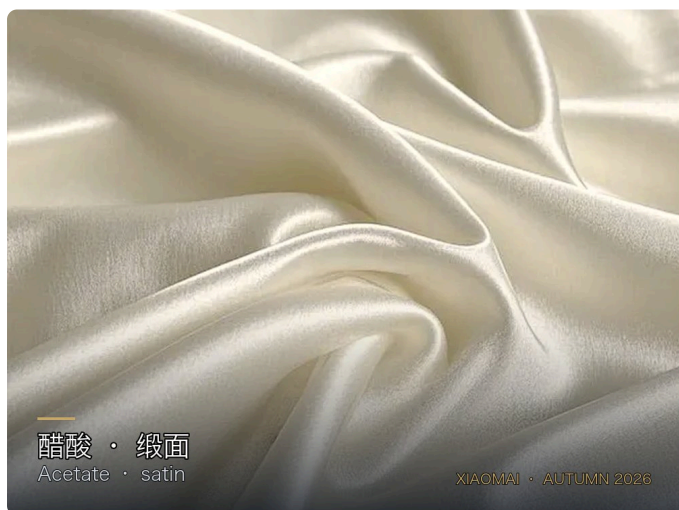
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薄得刁钻 | 雪纺、醋酸、真丝雪纺、薄里布

Tricky thin — chiffon, acetate, silk chiffon, thin lining

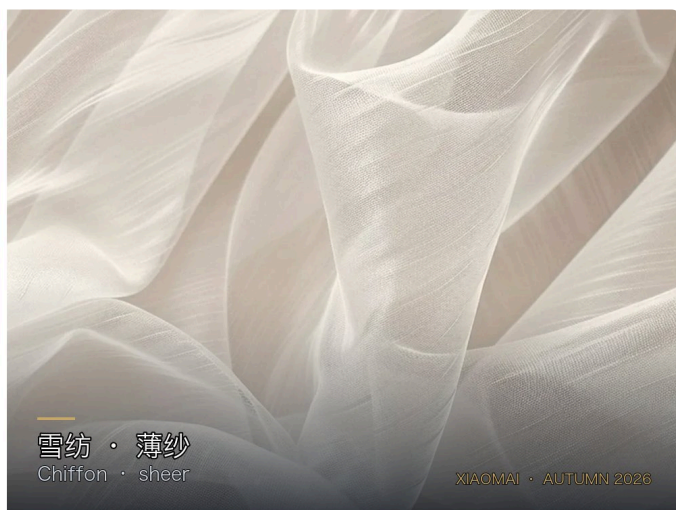
轻、滑、飘。风一过就跑位，一叠几十层，稍不留神整叠偏出去半个码。

Light, slick, drifting. A breath of air moves them; stack dozens of layers and one careless moment puts the whole pile half a size off.



醋酸 · 缎面
Acetate · satin

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雪纺 · 薄纱
Chiffon · sheer

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中厚混杂 | 卫衣布、摇粒绒、灯芯绒、牛仔、风衣涂层布

Mixed mid-weight — sweatshirt fleece, polar fleece, corduroy, denim, coated trench fabric

有的弹、有的硬、有的还带胶。同一个车间，上午裁卫衣、下午裁风衣，换料比换刀还勤。

Some stretch, some are stiff, some carry adhesive. In one workshop you cut sweatshirts in the morning and trench coats in the afternoon — changing fabric more often than changing blades.



针织 · 卫衣布
Knit · sweatshirt fleece

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牛仔
Denim

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厚得实在 | 毛呢、羊绒双面呢、粗纺、羊羔绒、羽绒胆布

Genuinely thick — wool, double-faced cashmere, woollens, sherpa, down-proof lining

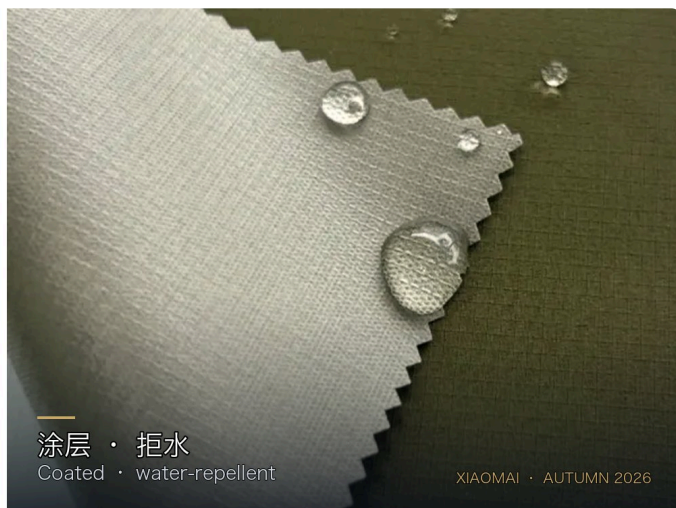
层数堆不上去，切口起毛、拉丝，一刀下去歪了就只能返工。

Layers cannot be stacked high enough, edges fray and pull, and one crooked cut means rework.



毛呢 · 羊绒
Wool · cashmere

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涂层 · 拒水
Coated · water-repellent

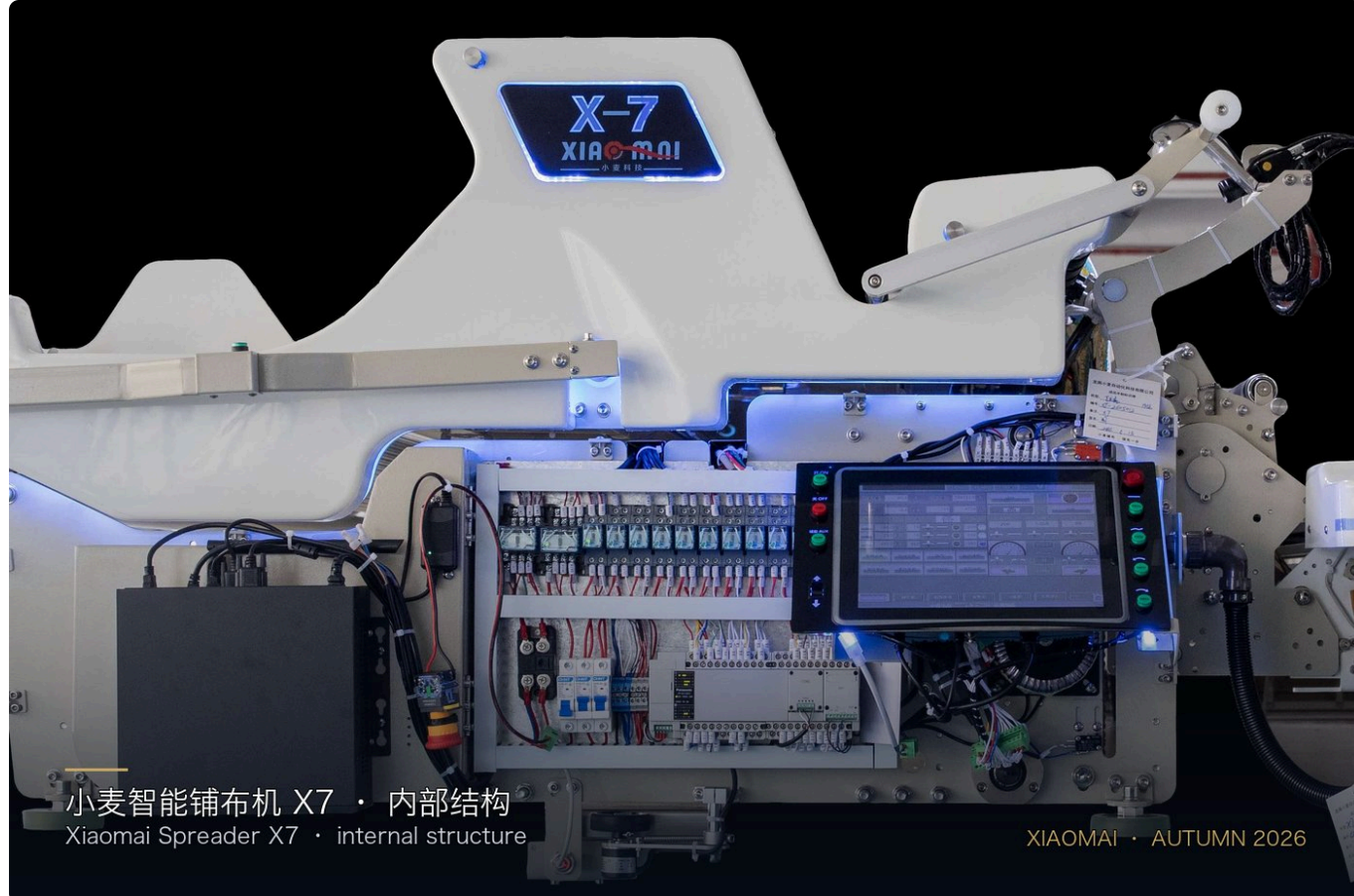
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再叠上秋季干燥带来的静电、早晚温差引起的面料回潮率变化，滑移、粘连、变形、毛边轮番上阵。裁剪这道工序，就这样成了秋季产能的减速带。

Add static from dry autumn air and the moisture-regain swings of day-night temperature gaps, and slipping, sticking, distortion and frayed edges take turns. Cutting becomes the speed bump of the autumn season.

二、小麦的答卷：三个“不挑”

02 · Xiaomai's answer — three “no-picks”



作为专注智能铺布与裁剪设备研发制造的品牌，小麦给出的答案很实在——不挑面料、不挑厚薄、不挑工艺。

As a brand dedicated to the R&D and manufacturing of intelligent spreading and cutting equipment, Xiaomai's answer is a practical one: no picking on fabric, no picking on thickness, no picking on process.

不挑面料

No picking on fabric

专利动力展平装置，把面料展平、把内卷布边翻出来；配松紧自动跟踪装置，紧了自动调松、松了自动调紧。高弹、轻薄、卷边这类最难铺的料，反而是我们最拿手的场景。X7 系列更搭载 AI 智控，面料识别、松紧调节、视觉对边全部自动完成，印花布、复合布自己认、自己调张力。

The patented powered flattening device smooths the fabric and rolls inward-curling selvages back out; automatic tension tracking loosens when tight and tightens when loose. Highly elastic, ultra-thin and curling materials — the hardest to spread — are exactly where we are strongest. The X7 series adds AI control: fabric recognition, tension adjustment and visual edge alignment are fully automatic, so printed and laminated fabrics are recognised and tensioned by the machine itself.

不挑厚薄

No picking on thickness

铺布端单拉最高 280mm、双拉 230mm；裁床端最高裁剪厚度 8cm。薄针织能铺上百层，厚毛呢、汽车内饰厚料也照样一刀到底——铺多厚，先跟裁切高度对齐，不让布白铺。

On the spreading end, single-pull stacks up to 280mm and double-pull up to 230mm; on the cutting end, cutting thickness reaches 8cm. Thin knits can run to a hundred layers, while heavy wool and automotive interior materials

still cut through in one pass — align the stack height with what the cutter can handle, and no fabric is spread for nothing.

不挑工艺

No picking on process

单拉、双拉、对折铺、分段定长、无张力松布、圆筒布——六种铺布方式按面料自由切换；常做的面料一次性存进机器，30 种面料记忆，换款调个名字就行，小批量多品种最省事。

Single pull, double pull, folded, segmented fixed-length, tension-free relaxation and tubular fabric — six spreading modes switch freely with the material. Frequently used fabrics are stored once, with memory for 30 fabrics; for a new style, simply call up the name. Ideal for small-batch, multi-variety production.

能铺能裁还不够。秋天的车间，真正丢产能的是另一件事——停。

Spreading and cutting well is not enough. In an autumn workshop, what really costs throughput is something else — stopping.

三、撑住“不挑”的，是四项硬技术

03 · Four hard technologies behind the “no-picks”

01 床身：一辆坦克，藏掉一个烟囱

01 · Bed: a tank that hides a chimney

高强度钢结构床身，经 -25kPa 真空、连续 100 万次循环耐压测试，无焊缝脱落、无变形。专利的“烟囱消失术”把消音器与床身融合，收料区视线一览无余、台面清爽；PrimeForce TubeCooling 隐藏式散热系统 0.75kW 强制风冷，走结构型材内腔进排气，床身无可视散热孔，真空泵噪音完全封闭。

A high-strength steel bed passes -25kPa vacuum and 1,000,000 continuous pressure cycles with no weld separation and no deformation. The patented “disappearing chimney” merges the silencer into the bed, keeping the receiving area completely open and the surface clean. The PrimeForce TubeCooling hidden cooling system uses 0.75kW forced air cooling routed through the structural profile cavities: no visible vents on the bed, and vacuum-pump noise fully enclosed.

02 刀与磨刀：0.3 秒，磨出更平直的刃口

02 · Blade and sharpening: a straighter edge in 0.3 seconds

6000rpm 专利振动箱，旋转部件 ISO G2.5 动平衡，完全消除一阶振动，高频下依然稳、依然静；齿轮箱沿用常规开合方式，内部组件好装好换，维护不用把机器停太久。磨刀走砂轮凹磨路线：刀刃更锋利、更平直，刀背更宽不易断刀，比砂带磨刀更耐用；0.3 秒完成一次磨刀，另配刀宽检测。两种裁刀规格，按面料选。

A 6000rpm patented vibrating box with rotating parts balanced to ISO G2.5 eliminates first-order vibration entirely — stable and quiet even at high frequency. The gearbox keeps a conventional opening method, so internal components are easy to fit and replace without stopping the machine for long. Sharpening follows the grinding-wheel concave method: a sharper, straighter edge and a wider blade back that resists breakage, outlasting belt sharpening; one sharpening takes 0.3 seconds, with blade-width detection. Two blade specifications, chosen to suit the fabric.

03 真空：漏气工况下，还能吸得住

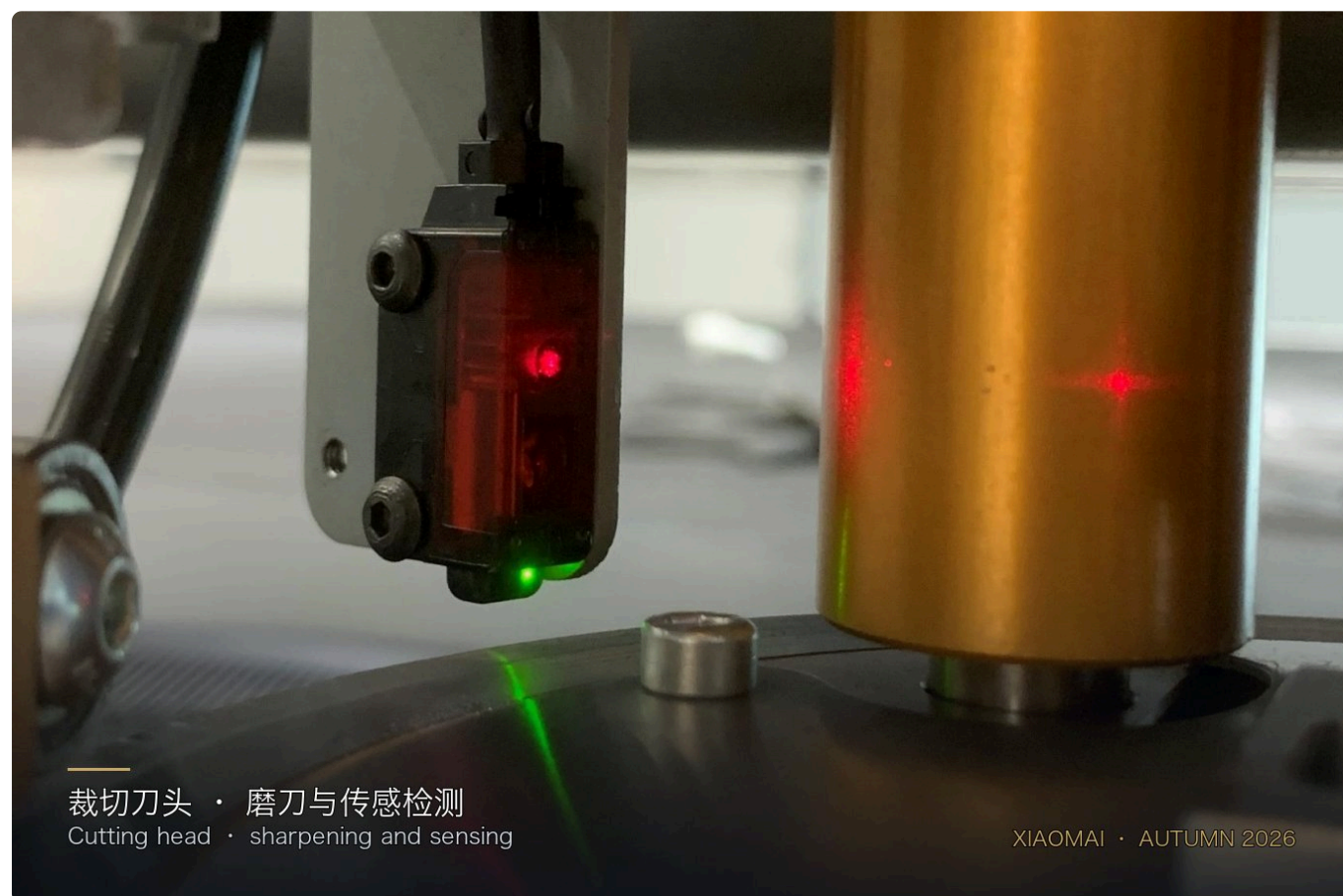
03 · Vacuum: still holding under leakage

超级多级离心真空风机，可选 22kW / 30kW / 37kW / 45kW 多种功率组合，最高到 IE5 能效。相比其他品牌，最大真空 1.5 倍、最大流量 1.2 倍；最关键的一条是——最大流量下（也就是裁到后面开始漏气的工况）的真空保持能力，是其他品牌的 3 倍。大片裁掉、台面漏气，别家吸不住了，我们照样把面料牢牢按在工作面上。

A super multi-stage centrifugal vacuum fan is available in 22kW / 30kW / 37kW / 45kW combinations, up to IE5 efficiency. Against other brands, maximum vacuum is 1.5x and maximum flow 1.2x; most importantly, vacuum retention at maximum flow — the leaking condition as large pieces are cut away — is 3x that of other brands. When big pieces are gone and the table starts leaking, others lose suction while we still press the fabric firmly onto the working surface.

配旋风+滤筒二合一过滤器，带滤筒（芯）清洁提示：清洁周期是其他品牌过滤器的 3 倍，不用等吸不住了才发现。

A cyclone plus cartridge two-in-one filter with cleaning alerts: cleaning intervals are 3x those of other brands' filters, so you are never caught out by lost suction.



04 大脑：EVOLUTIO 智能裁剪操作系统

04 · Brain: the EVOLUTIO intelligent cutting system

ICC 高效刀智能纠偏：高层裁剪中时刻保持裁刀垂直切割，面料上下分毫不差。

ICC intelligent blade correction keeps the blade cutting vertically throughout high-layer cutting, so top and bottom layers match exactly.

边走边裁：过窗时随面料移动持续裁剪，画册实测裁剪时间最快达 1.3 倍。

Cut-while-moving: cutting continues as the fabric advances through the window, with measured cutting time up to 1.3x faster.

智能对称裁：深 V 或对称图形自动识别、自动对称下刀，深 V 不伤片。

Intelligent symmetrical cutting: deep-V or symmetrical shapes are recognised automatically and cut symmetrically, without damaging the pieces.

弧线圆滑：弧线路径自动插补优化，裁剪速度自动调整，弧线剪裁更光滑。

Smooth curves: curve paths are automatically interpolated and optimised, with cutting speed adjusted for cleaner curved cuts.

共边裁剪：1mm 以内的平行轮廓视为公共边，一次下刀完成多片，省掉跳片与重复裁剪。

Common-edge cutting: parallel contours within 1mm are treated as a shared edge, so one pass completes several pieces and skips and repeat cuts are eliminated.

智能压刀与 0 间隙裁剪：裁片靠得再近，换个下刀提刀位置也不伤片。

Intelligent blade press-down and zero-gap cutting: however closely the pieces are nested, changing the plunge position does not damage them.

小裁片优先：分区优先裁小片、窄片，智能优化下刀点与方向，避免大片先裁后真空衰减把小片裁坏。

Small pieces first: zones are prioritised for small and narrow pieces, with plunge points and directions optimised so that small pieces are not ruined by vacuum decay after large pieces are cut.

临片减速、临边减速：靠近相邻裁片或布料边缘自动开启减速精裁，该快的地方快，该慢的地方慢。

Slow-down near pieces and edges: cutting slows automatically for precision near adjacent pieces or fabric edges — fast where it should be fast, slow where it should be slow.

故障排除向导：机器报什么，屏幕就教你怎么处理，你自己就是维修专家。

Troubleshooting wizard: whatever the machine reports, the screen shows you how to handle it — you become your own service expert.



■ 四、比“不挑”更值钱的，是三个“不断”

04 · Worth more than the “no-picks”: three “non-stops”

■ 不断刀

No blade breakage

砂轮磨刀刀背更宽不易断刀，再配断刀检测——断刀即停，不伤面料、不废布层。

Grinding-wheel sharpening leaves a wider blade back that resists breakage, backed by blade-break detection — the machine stops the instant a blade breaks, with no damaged fabric and no wasted layers.

■ 不断点

No broken run

断点续裁。按键暂停、触发急停，甚至断（停）电，都能从断点衔接继续，已经裁好的部分不用再裁一遍。

Break-point resume: after a keyed pause, an emergency stop or even a power cut, cutting continues from the break point — already-cut parts need never be cut again.

■ 不断线

No line stoppage

铺布机 + 随动传送带 + 智能裁床三件套联动：铺完即裁，中间不落地、不搬料。传送带用伺服电机输送、与裁床同步联动，加强型材稳固耐用、附着性强不打滑，送过去的布不起折、不尾斜；配套的专利电轨噪音低、经久耐用。整线节奏不断——这是比拼单台机器更值钱的一步。

Spreader + follow-up conveyor + intelligent cutter act as one set: cut immediately after spreading, with no re-handling in between. The conveyor is servo-driven and synchronised with the cutter, on reinforced profiles that grip

firmly without slipping, delivering fabric without creases or skew; the patented rail is quiet and built to last. The whole line keeps its rhythm — worth more than comparing a single machine.



五、选配，按您的面料和订单结构来

05 · Options, matched to your fabric and order mix

气动单打孔 · 气动双打孔 · 涡流管刀冷却 · 扫码枪 · Pro 型覆膜前支架 · Pro 型再覆膜 · 随动居中小车 · 智能进料辅助系统 · 刀盘悬浮 · 断刀检测 · 侧移一键到位 · SaaS 接入

Pneumatic single punch · pneumatic double punch · vortex-tube blade cooling · barcode scanner · Pro film-covering front bracket · Pro re-covering · follow-up centring trolley · intelligent feeding aid · blade float · blade-break detection · one-touch side shift · SaaS access

其中三样值得单说：随动再覆膜装置，过窗自动抬起覆膜，高速裁剪与保持真空互不干涉；刀盘悬浮功能，按预设高度自适应调整刀盘离面高度，裁特殊面料时不推动顶层面料、不产生静电；扫码枪，扫码筛选裁剪文件、选择 CAD 配置、调用预设裁剪参数，一键加载即可开工。

Three deserve a closer look: the follow-up re-covering device lifts the film automatically as the window passes, so high-speed cutting and vacuum retention no longer conflict; blade float adapts blade height to a preset level, so special fabrics are not pushed on the top layer and no static is generated; the barcode scanner selects cutting files, chooses CAD configurations and calls up preset cutting parameters — one touch and you are ready to run.

六、不怕你不信，就怕你不试

06 · We are not afraid you doubt us — we are afraid you will not try

厚料多层裁不动的、滑料带胶裁不准的、薄料多层裁变形的——把布寄过来，我们给你现场试铺+试裁，铺布端和裁剪端都能试。

Thick multi-layer stacks that will not cut, slippery or adhesive materials that cut inaccurately, thin multi-layer stacks that distort — send us the fabric and we run on-site spreading and cutting trials, on both the spreading and the cutting end.

裁完你自己量：上下层差多少、布边齐不齐、切口毛不毛。
Then measure it yourself: layer-to-layer deviation, selvedge alignment, edge fraying.

七、敢让你试，是因为这些底气

07 · We dare you to try, because of this foundation

17 年为国际顶端裁床品牌提供设计与制造服务，按美国 & 欧洲制造标准做机器；

17 years providing design and manufacturing services to top international cutting-machine brands, building to US & European standards;

22 年自动裁床、鼓风机及真空系统的机械设计与设备制造经验；

22 years of mechanical design and equipment manufacturing experience in automatic cutting machines, blowers and vacuum systems;

软件及电气团队 19 年机器人及运动控制研发经验；

Software and electrical team with 19 years of robotics and motion-control R&D experience;

多位售后人员超 10 年国际品牌裁床售后服务经验；

Several after-sales engineers with more than 10 years of service experience with international cutting-machine brands;

独立完整的机械设计、电气设计、软件开发、制造与售后团队，自主研发，不靠外援。

Independent and complete in-house teams across mechanical design, electrical design, software development, manufacturing and after-sales — developed in-house, without outside help.

高新技术企业、23 项国家专利；龙南生产基地 15000 余平方米，激光切割、折弯、自动焊接、喷涂、抛丸全部自己做，核心件采用国际一线品牌顶级组件。

A high-tech enterprise with 23 national patents; the Longnan production base covers more than 15,000 square metres, with laser cutting, bending, automatic welding, coating and shot blasting all done in-house, and core components from top-tier international brands.

时间线：2021.05 启动设计小麦高端智能裁床、研发 Evolution 系统；2022.04 首家服装客户；2023.09 S 系列原型机完成；2024 年进入汽车内饰与内衣行业；2025 年 A 系列原型机完成、S 系列发布，为华翔、延锋提供 A9 多层裁床。
Timeline: May 2021 design of the Xiaomai high-end intelligent cutter began and the Evolution system was developed; Apr 2022 first apparel customer; Sep 2023 S-series prototype completed; 2024 entered the automotive interior and underwear sectors; 2025 A-series prototype completed and the S series launched, supplying A9 multi-layer cutters to Huaxiang and Yanfeng.

研发中心在东莞寮步，生产基地在江西龙南。机器不是拼出来的，是自己造的。

The R&D centre is in Liaobu, Dongguan, and the production base in Longnan, Jiangxi. Our machines are not assembled from others' parts — they are built by us.



八、顺手替你算笔账

08 · An ROI calculation for you

省人工：原来 4 个拉布工，现在 1 个操作工，一年约省 14.4 万元；

Labour: from 4 spreaders to 1 operator — about RMB 144,000 saved per year;

省布料：自动对边，每层少浪费约 2cm，日铺 8000 米、年 320 天，面料 8 元/米，省 1% 就是 20 万出头；

Fabric: automatic edge alignment saves about 2cm per layer; at 8,000m a day over 320 days and RMB 8 per metre, saving 1% is over RMB 200,000 a year;

提产能：人工一班约 8000 米，机器一班约 18000 米，效率提升 125% 以上。

Throughput: roughly 8,000m per manual shift versus about 18,000m with the machine — an increase of more than 125%.

把您自己的产量和面料单价代进去，多久回本，您自己就能算。

Put in your own output and fabric price, and you can work out the payback for yourself.

九、适用行业

09 · Industries served

服装（休闲装、内衣、正装、羽绒服）、家纺、医疗（防护服、口罩、纱布）、箱包鞋材、运动用品、汽车内饰。

Apparel (casual wear, underwear, formal wear, down jackets), home textiles, medical (protective clothing, masks, gauze), bags and footwear, sporting goods, automotive interiors.

6000rpm

专利振动箱

Patented vibrating box

0.3 秒

完成一次磨刀

Per sharpening

45kW

最高真空风机功率

Max vacuum fan power

<78dB

工作噪音

Operating noise

核心规格速览 / Key Specifications

<div>最高裁剪厚度</div> <div>Max cutting thickness</div>	8cm
<div>裁剪宽度</div> <div>Cutting width</div>	1.8m / 2.0m / 2.2m
<div>裁剪范围</div> <div>Cutting area</div>	1.8×1.8m / 1.8×2.0m / 1.8×2.2m / 2.5×2.0m / 2.5×2.2m
<div>裁刀规格</div> <div>Blade specifications</div>	2 types (2×7mm, 2.4×8.5mm)
<div>振动箱</div> <div>Vibrating box</div>	6000rpm, rotating parts balanced to ISO G2.5
<div>床身</div> <div>Bed</div>	−25kPa vacuum, 1,000,000 pressure cycles, no weld separation or deformation
<div>散热系统</div> <div>Cooling system</div>	PrimeForce TubeCooling hidden cooling, 0.75kW forced air
<div>真空风机</div> <div>Vacuum fan</div>	Super multi-stage centrifugal, 22 / 30 / 37 / 45kW
<div>过滤器</div> <div>Filter</div>	Cyclone + cartridge two-in-one with cleaning alert
<div>电源</div> <div>Power supply</div>	Three-phase five-wire AC 380V / 50Hz
<div>压缩空气</div> <div>Compressed air</div>	9L/min @ 6bar
<div>最高工作环境温度</div> <div>Max ambient temperature</div>	43°C
<div>建议工作海拔</div> <div>Recommended altitude</div>	<1000m
<div>最大工作环境湿度</div> <div>Max ambient humidity</div>	80%

平均能耗 Average energy consumption	11kWh (specific process)
工作噪音 Operating noise	<78dB (standard process)
配套铺布机 Compatible spreaders	X5 / X6 series, single-phase AC 220V, 1.2—1.55kW, spreading width 1600—2800mm, wireless remote included
咨询热线 Hotline	+86 400-050-1183

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高新技术企业 · 23 项国家专利 · 参数以实际机型配置为准

High-tech enterprise · 23 national patents · specifications subject to actual configuration