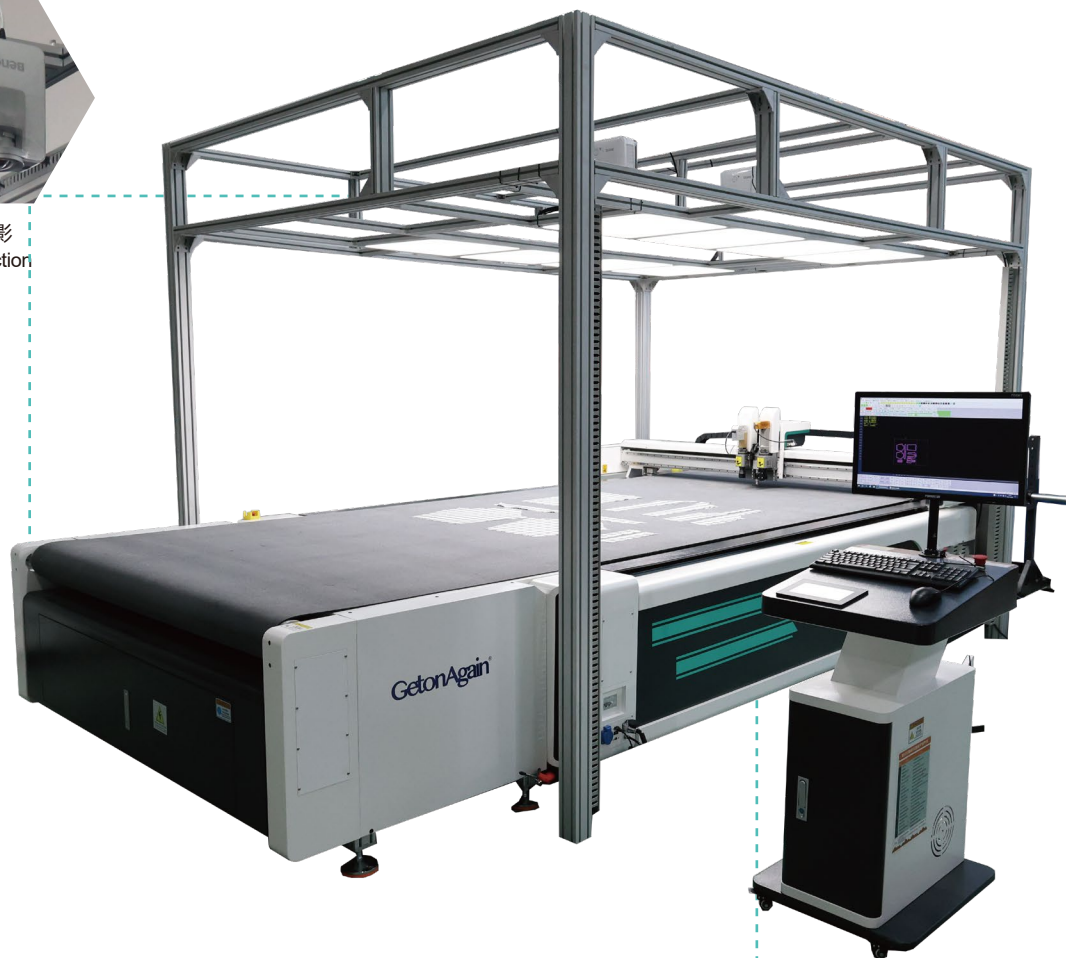


对条对格专用裁床

Stripe and Plaid Matching Cutting Machine



高清投影
HD Projection



振动刀 钻孔 (笔绘) 圆刀
Vibrating Knife Drilling (pen drawing) Round Knife



高清工业相机
HD Industrial
Camera

型号/Model: GOA-FP,NM-PD+DKC-1-2500×1600-SGSF-P+CK-PP+AF+AR-3P380 (带收料台/(with Receiving Table))

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机器特点

- 对条对格专用裁床采用双刀 + 笔绘（冲孔）的工作模式，对各种条格面料进行单层裁剪。
- 采用多个高清工业相机，根据工作幅面大小进行智能组合，确保面料图像的高精度采集。
- 将高清图像导入对条对格专用CAD，智能调整裁片位置，精准对位，方便快捷。
- 高清投影将实时排料状态动态显示，大幅提高排版准确性。
- 标配高性能电脑主机，15寸工业显示屏，高速运算处理，提高生产效率。
- 排版后自动执行裁剪，双刀模式可满足针织、梭织以及皮革类的对格、对条、对花等裁剪工艺。
- 可选配恒张力自动送料架，减小针织面料的张力，有效的降低裁片收缩率。
- 可选配收料台，裁剪和收料同步进行，进一步提高生产效率。

刀具应用

- 圆刀：单层针织和梭织面料（外轮廓的切割）。
- 振动刀：单层针织和梭织面料（I/V/T型剪口的切割）。
- 冲孔刀：单层针织和梭织面料（U型剪口的切割）。

应用领域

在服装高端定制领域，“对条对格”工艺效果已经成为衡量这类服装品质高低的一项重要标准。对条对格专用裁床，是专门针对服装“对条对格”工艺而开发的一款设备，适合条格面料的单层裁剪工艺。

Features

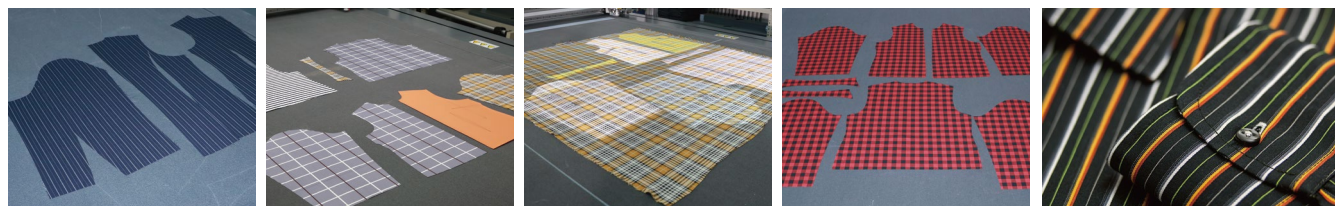
- Stripe and Plaid Matching Auto Cutter, equipped with Double Knives + Pen Draw (Punching) working mode, special for various stripes and plaids fabric cutting in single ply.
- Equipped with a few HD industrial cameras, according to the capture size to perform intelligent combination, ensure the high accuracy fabric images capturing.
- Import HD images to stripe & plaid matching software CAD, intelligent adjust cutting pieces positioning, high accuracy alignment, easy and convenient.
- High-definition projection dynamically displays the real-time nesting status, significantly improving the accuracy of the marker result.
- Standard configuration with high-performance computer, 15 inches industrial monitor, high speed computation processor, improve production efficiency.
- After nesting, then auto execute cutting. Double knives mode can meet the cutting process of knitted, woven and leather with alignment matched on stripe & plaid, and graphics pattern.
- Optional with constant tension automatic feeding rack, to reduce knit fabric tension, effectively lower shrinkage rate of cutting pieces.
- Optional receiving table, cutting and collecting finished cut pieces at the same time, further improve production efficiency.

Knives Function

- Round Knife: Single ply knitted and woven fabrics (cutting the outer shape).
- Vibration Knife: Single ply knitted and woven fabrics (for I/V/T shape liked cutting)
- Punching Knife: Single ply knitted and woven fabrics (for U-shaped cutting)

Application

High-end clothing customization, the effect of the "alignment matched stripe and plaid" process has become the important measurement on the quality of this type of clothing. Stripe and plaid auto cutter is the equipment specially developed for this process to meet "matching stripe and plaid" clothing. Suitable for single ply cutting process of striped & plaided fabrics.



推荐型号 Model

推荐型号 Recommended Model	最大切割面积 Maximum Cutting Area	相机数 Number of Camera	投影数 Number of Projector	占地面积 (长×宽×高) Machine Area (L×W×H)
GOA-FP,NM-PD+DKC-1-1200×1600-SGSF-P+CK-PP+AF-3P380	1200mm×1600mm	1	1	2500mm×3000mm×2800mm
GOA-FP,NM-PD+DKC-1-1200×1600-SGSF-P+CK-PP+AF+AR-3P380 ^(带收料台) (with Receiving Table)	1200mm×1600mm	1	1	3800mm×3000mm×2800mm
GOA-FP,NM-PD+DKC-1-2500×1600-SGSF-P+CK-PP+AF-3P380	2500mm×1600mm	2	2	4000mm×3000mm×2800mm
GOA-FP,NM-PD+DKC-1-2500×1600-SGSF-P+CK-PP+AF+AR-3P380 ^(带收料台) (with Receiving Table)	2500mm×1600mm	2	2	6600mm×3000mm×2800mm

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GOA-FP,NM-PD+DKC-1-3500×1600-SGSF-P+CK-PP+AF-3P380	3500mm×1600mm	3	3	5000mm×3000mm×2800mm
GOA-FP,NM-PD+DKC-1-3500×1600-SGSF-P+CK-PP+AF+AR-3P380 ^(带收料台) (with Receiving Table)	3500mm×1600mm	3	3	8600mm×3000mm×2800mm
GOA-FP,NM-PD+DKC-1-1200×1800-SGSF-P+CK-PP+AF-3P380	1200mm×1800mm	1	1	2500mm×3200mm×2800mm
GOA-FP,NM-PD+DKC-1-1200×1800-SGSF-P+CK-PP+AF+AR-3P380 ^(带收料台) (with Receiving Table)	1200mm×1800mm	1	1	3800mm×3200mm×2800mm
GOA-FP,NM-PD+DKC-1-2500×1800-SGSF-P+CK-PP+AF-3P380	2500mm×1800mm	2	2	4000mm×3200mm×2800mm
GOA-FP,NM-PD+DKC-1-2500×1800-SGSF-P+CK-PP+AF+AR-3P380 ^(带收料台) (with Receiving Table)	2500mm×1800mm	2	2	6600mm×3200mm×2800mm
GOA-FP,NM-PD+DKC-1-3500×1800-SGSF-P+CK-PP+AF-3P380	3500mm×1800mm	3	3	5000mm×3200mm×2800mm
GOA-FP,NM-PD+DKC-1-3500×1800-SGSF-P+CK-PP+AF+AR-3P380 ^(带收料台) (with Receiving Table)	3500mm×1800mm	3	3	8600mm×3200mm×2800mm

(其它尺寸可根据客户需求定制/other sizes can be customized)

主要参数 Parameters

注：工作环境无强磁场、电场干扰。/Attention: No strong magnetic field or electric field interference in the working environment.

切割方式: Cutting Method:	双刀+笔绘 (冲孔) Double knives and pen drawing (punching)
绘图方式: Drawing Method:	笔绘 Pen drawing
笔的类型: Pen Type:	签字笔、圆珠笔、油性笔 Sign pen, ball pen, oil-based pen
连续切割: Continuous Cutting:	支持 Support
切割速度: Cutting Speed:	直线最高1500mm/s (实际根据不同材料而定) Straight line maximum 1500mm/s (actually depends on different materials)
圆刀 (标配) 切割厚度: Standard Round Knife Cutting Thickness:	≤2mm (不同材料, 略有差别) ≤2mm (slightly different for different materials)
冲孔刀 (标配) 切割厚度: Standard Punching Knife Cutting Thickness:	≤2mm (不同材料, 略有差别) ≤2mm (slightly different for different materials)
电振动刀 (选配) 切割厚度: Optional Electric Vibration Knife Cutting Thickness:	≤2mm (不同材料, 略有差别) ≤2mm (slightly different for different materials)
气振动刀 (选配) 切割厚度: Optional Pneumatic Vibration Knife Cutting Thickness:	≤8mm (不同材料, 略有差别) ≤8mm (slightly different for different materials)
应用领域: Application Area:	服装 Clothing Industries
材料固定方式: Fabric Fixing Method:	真空分区吸附 Vacuum adsorption by sections
控制系统: Control System:	自主控制系统+进口伺服 Control system + international brand servo motors
CAD软件: CAD Software:	对条对格专用CAD Stripe and plaid matching software CAD
电脑+显示器: Computer + Display:	win10 32G内存 i7CPU 独显 15寸工业显示器 Windows 10 32G RAM, i7-CPU, discrete graphics card, 15-inch industrial display

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机械分辨率: Mechanical Resolution:	±0.02mm
相机: Camera:	工业相机 2000万像素 (相机数量根据机型而不同) Industrial camera 20 million pixels (number of cameras will vary according to the selected model)
投影: Projector:	BENQ 分辨率1024*768 (投影数量根据机型而不同) BENQ Resolution 1024 X 768 (number of projectors will vary according to the selected model)
工作电压: Operating Voltage:	三相AC380V±10% (三相五线) 3P AC380V±10% (three-phase five-wire)
气压: Air Pressure:	0.6-0.8MPa
环境温度: Working Temperature:	0°C~40°C
相对湿度: Relative Humidity:	相对湿度不大于85% (25°C时) 无结露 Relative humidity is not more than 85% (at 25 °C) without condensation
整机功率: Total Power:	9kW

机器选配 Machine Options



恒张力送料架 (选配)
Constant tension feeding rack (optional)



气振动刀 (选配)
Pneumatic vibration knife (optional)



电振动刀 (选配)
Electric vibrating knife (optional)



气泵 (选配)
Air pump (optional)

机器配置 Machine Configuration (以下配置仅供参考, 设备最终配置以制造商出厂实物为准。) (The following configurations are for reference only, and the final configuration of the equipment would be subjected to the manufacturer's actual products.)



标配高性能电脑主机: i7CPU+32G内存+12G独显+15寸工业显示屏高速运算处理, 最大程度提升效率。

Standard high-performance computer: i7-CPU + 32G TAM + 12G discrete graphics card + 15-inch industrial monitor. High speed computation processor, highly improve efficiency



高清工业相机确保格纹数据采集清晰准确。

HD industrial cameras, ensure the high accuracy fabric data images capturing.



高清投影进行模拟条格以及实时排料的动态显示。

HD definition projector, process and simulate the plaids with real time nesting dynamic display.

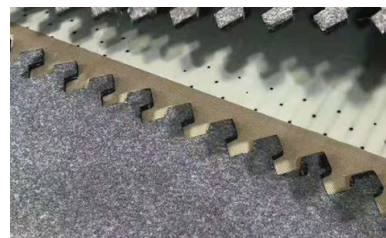
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采用进口伺服系统，确保设备可靠运行。
Equipped with international brand servo device,
ensure reliability running of equipment.



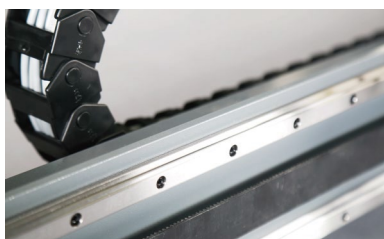
航空级铝合金真空平台，运用蜂窝原理，坚固耐用，平面精度高。
Aviation-grade aluminium alloy vacuum platform,
using honeycomb principle, rigid and durable,
surface with high accuracy.



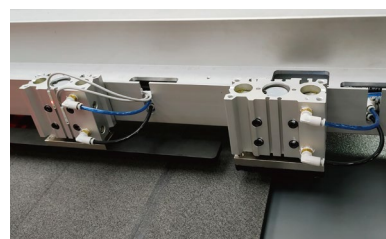
进口耐切割台面，保证材料吸附牢固，切割精准。
High quality cutting resistant table to ensure
material adsorption firmly and precise cutting.



安全防护装置。
Safety protection device.



进口高精度同步带+直线导轨，重复精度可达
 $\pm 0.05\text{mm}$ 。
High-precision timing belt + linear guide rail,
repeatability up to $\pm 0.05\text{mm}$.



气动部件
Pneumatic parts



LED平行光源系统，确保工业视觉全天候可靠运行。
LED parallel light source system, ensure industrial
vision with all-weather condition and reliable
operation.



轴承
Bearing



电气开关
Electric Switch

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