



Richpeace[®]

Richpeace Smart Fabric Library+ Automatic Cutting Production Line



Recommended Models-Fabric Library

(Fabric roll diameter, width, and rolls qty can be customized.)

| Reference Model | Fabric Width | Roll Diameter | Qty. of Rolls | Single Roll Weight | Floor Space Size (L×W×H) (with fabric picking hopper) |
|-----------------|--------------|---------------|---------------|--------------------|--|
| RP-BK-16 | 1450mm | 380mm | 16 rolls | ≤50kg | 6700mm×3000mm×2500mm |

Recommended Models-AutoCutter

(Other models can be customized according to customer needs.)

| Models | Max Cutting Area (L×W) | Installation Area (L×W×H) |
|---|------------------------|---------------------------|
| RPFP-NM-PD+DKC-1-2500×2200-SGSF-P+CK-AF-3P380 | 2500mm×2200mm | 4000mm×3200mm×1300mm |
| RPFP-NM-PD+DKC-1-1200×1600-SGSF-P+CK-AF-3P380 | 1200mm×1600mm | 2300mm×2600mm×1300mm |
| RPFP-NM-PD+DKC-1-1500×1600-SGSF-P+CK-AF-3P380 | 1500mm×1600mm | 3000mm×2600mm×1300mm |
| RPFP-NM-PD+DKC-1-2500×1600-SGSF-P+CK-AF-3P380 | 2500mm×1600mm | 4000mm×2600mm×1300mm |
| RPFP-NM-PD+DKC-1-1500×1800-SGSF-P+CK-AF-3P380 | 1500mm×1800mm | 3000mm×2800mm×1300mm |
| RPFP-NM-PD+DKC-1-2500×1800-SGSF-P+CK-AF-3P380 | 2500mm×1800mm | 4000mm×2800mm×1300mm |

Application

Small batch size processing or various patterns cutting with frequent fabric roll changes, for garment, shoes-making, furniture and automotive interior, etc. industry.



Features-Fabric Library

1. Fabric library circulatory system, can be working alone, or connecting with single layer cutting machine for overall production line.
2. Rolls number and diameter can be customized according to customer needs.
3. The fabric library overall structure is made of steel material, with stable and reliable performance.
4. The overall fabric feeding system adopts servo control, with precise circular feeding.
5. The system adopts full touch LCD display screen, easy to operate.
6. Optional independent material picking-up and feeding cradle, for matching with automatic cutting machine.

Features-Auto Cutter

Combination of double knives cutting+ Marking/perforating, Freely switching among tools, Satisfy complex and changeable cutting process.

Standard configuration:

1. Circular Knife + Marker/Perforator 1 (thin material)+ Perforator 2 (thick material)
2. Multiple groups of vacuum absorption blowers, independently controlled by segmented.

Optional configuration:

1. Electric oscillating knife / Pneumatic oscillating knife

Parameters-Fabric Library

| | | | | |
|--|---|--|---|---------------------------------|
| Fabric width | 1450mm (as ref.model) | Automatic fabric cutting function | Optional | |
| Operation interface | Full touch LCD display screen | Security System | Safety light curtain/ safety guard (optional) | |
| Material picking-up / returning | Manual/automatic (auto mode when matching with auto-cutter) | Ambient Humidity | ≤ 85% (at 25 °C) without condensation | |
| Library cycling speed | 10mm/s-250mm/s | Power Supply | 3-Phase AC3 80V±10% 50/60Hz, 3kW | Air Supply 0.6MPa-0.8MPa |

Parameters-Auto Cutter

| | | | | |
|--------------------------------|---|--------------------------------------|---|--|
| Cutting Mode | Double Knives Cutting + Pen Marking/Perforating | | | |
| Cutting Speed | Max. straight line speed 1500mm/s (Varies as different tools and materials) | | | |
| Cutting Thickness | ≤20mm (Varies as different tools and materials) | | | |
| Control System | Full servo | Repeated positioning accuracy | ±0.05mm | |
| Continuous Cutting | Automatic pattern splitting and cutting with conveyor system. | Material Fixing | Sectioned vacuum adsorption | |
| Mark Pens | Signing pen, ballpoint pen, oil pen | Data format | HPGL | |
| Perforating Tools | 1 to 6mm round hole | Power Supply | 3-phase AC380V±10% 50/60Hz (3-phase 5-wire system) Power: 5-12kW | |
| Drawing Mode | Pen drawing | Ambient Temperature | 0°C~40°C | |
| Noise | ≤80db | Ambient Humidity | ≤85% (25°C) No Condensation | |
| Data Transfer Interface | USB | Air Supply | 0.6MPa-0.8MPa | |

Main Configuration



Double Cutter+Marker/Perforator(Standard)



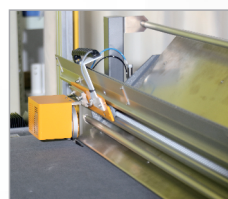
Silent Air Pump (Optional)



Transformer (Optional)



Voltage Stabilizer (Optional)



Fabric cross cutting device (Optional)



Safety guard (Optional)

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