

MCC SERIES

**RLK 润金**  
Cutting System



www.ruk-tech.com

**NINGBO RUKING INTELLIGENT TECHNOLOGY CO.,LTD**

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**RLK**

# Flexible Materials

## Digital cutting System



MCC SERIES



# COMPANY PROFILE



## Ningbo Relish Electrical Technology Co., Ltd.

one of the high-tech technology enterprises, which is a professional engaged in automation equipment industrial automation parts and industrial intelligence, information, digital system complete scheme research and development, production, sales and service. Has won a number of national, provincial, municipal honors, was rated as a National High-tech Enterprise, Double-head Cutting System won the National First Set Award, Third prize of Science and Technology of China Packaging Industry, Zhejiang Province Grade AA Contract Keeping and Credit First Company Designated Strategic Service Provider of Zhejiang Clothing Innovation Service Complex, Ningbo RUKING Nonmetallic Material Intelligent Cutting System Engineering Center, Fenghua District the First "Fenglu Talents selected project and other honors. The company's R&D team is composed of doctors, masters and experts with decades of industry experience from well-known universities.

The company has set up a mechanical R&D center, a software R&D center, a control system R&D center and an AI vision R&D center, To break the long-term market and technology monopoly of European and American countries, to achieve domestic alternative imports. It has more than 100 invention patents, utility model, software patents and software copyrights. The company has a large gantry numerical control machining center based on SZZN, high-precision five axis CNC-MES digital precision factory, precision sheet metal factory, machine assembly factory. Covering the whole industrial chain from the raw material end to the product end. to realize 100% self-made rate of parts. We have fully implemented the ISO9001 quality management system. and the related products have passed the certification of CE and other domestic and foreign authorities. The company's products are widely used in the cutting of flexible materials and composite materials.

Also, in shoemaking, clothing, bags and handbags, cartons, advertising, leather, electronics, automobiles, high-speed rail, aerospace and other industries customers all over the country and overseas more than 80 countries and regions. We have established a perfect after-sales service system, with 26 outlets all over the country, in order to provide customers with all-round and efficient services, we have taken the lead in realizing the self-diagnosis service system of equipment health status.

## PATENT CERTIFICATE





# SOFTWARE FUNCTION INTRODUCTION

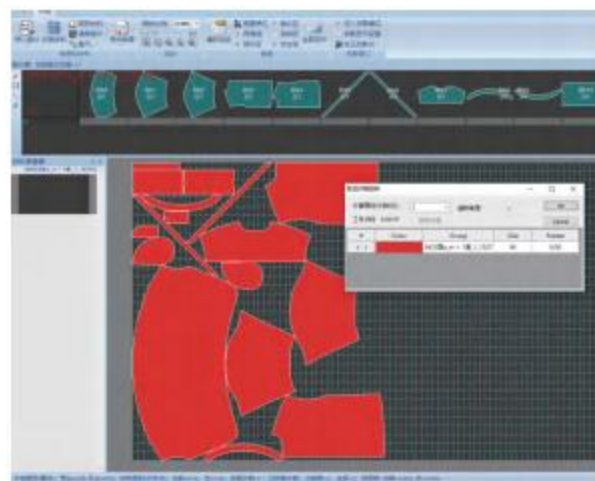
## MCC03

### Digital Printing Single-layer Cutting Machine



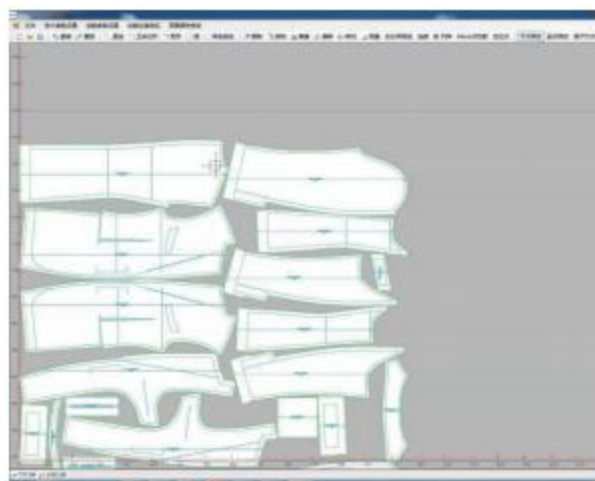
#### Software Matching Function

Feature matching function to capture complex graphics which is more simple and time saving,Software template matching process to achieve multi-version continuous batch production.



#### One-click Extraction Of Contours

One-button extraction contour, no PS needed.

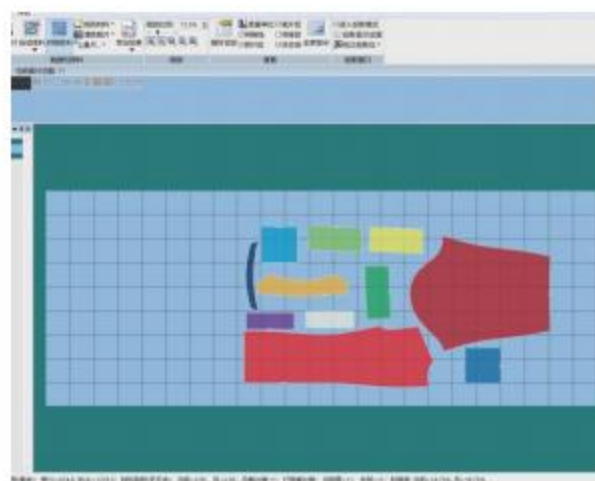


#### DSLR Panoramic Camera Vectorization System

Equipped with imported camera, high resolution capture, faster response, higher capture accuracy,high performance fill light board, not affected by external environment, making the system more stably.

## MCC02

### Suit Shirt Customization



#### Automatic Matching Stripe Matching

Save 100%-120% of typesetting time over manual Save 3%-5% on some fabrics.



#### One-click code change

Personalized and customized software to meet special production needs, easy to operate and increase production efficiency.



#### International Brand Projector

Select international brand projectors to ensure higher accuracy and stability of contour recognition.

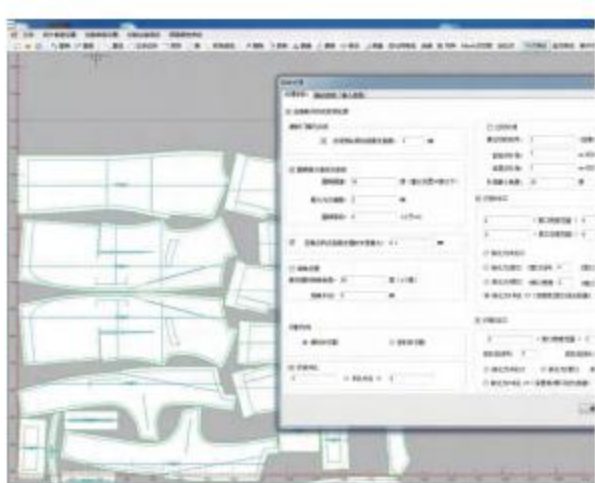
## MCC03

### Soft Materials Cutting System



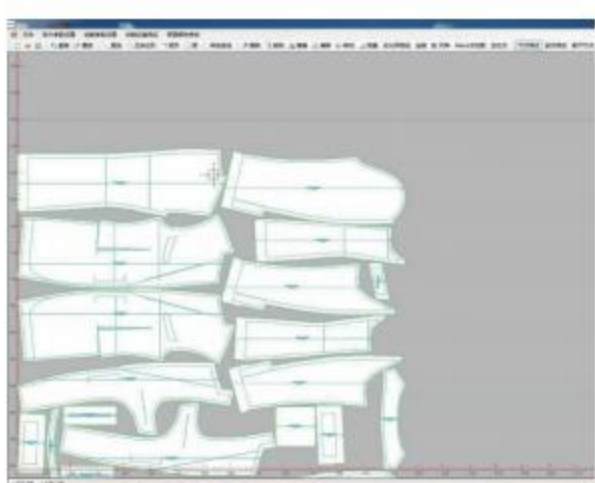
#### One-click Code Change

One-click code change according to different industries, simple and easy to use.



#### Switching Between Different Notch At Will

Switching between different (V/I) notch to meet the needs of customers.



#### Direct File Retrieval

Direct output of the finished product from the existing car seat library (Optional Function).

## APPLICATION AREAS

The MCC series of flexible materials are cut to achieve automatic cutting, no need for die, high precision and high speed cutting. A full-time production method that completely replaces die cutters and manual cutting operations. It can solve the problem of bottleneck process in production such as poor manual cutting precision, material waste, and low production efficiency. The whole machine is easy to learn, and it fits the actual needs of cutting in garment printing and digital printing. The cutting is cut with a round knife or a vibrating knife. The cutting is environmentally friendly, non-polluting, and has no odor. The material after cutting does not yellow or black, nor oil. High-strength and high-precision helical gear racks and linear guides are used for high precision and low noise.





# MCC03

Soft materials  
cutting system



## TECHNICAL PARAMETERS

Model	MCC03-2516	MCC03-2518	MCC03-2520
Effective Cutting Area (mm)	2500*1600	2500*1800	2500*2000
Overall Dimension (mm)	3900*2585*1350	3900*2785*1350	3900*2985*1350
Pump Power	9KW	9KW	9KW
Total Fixed Power	11KW	11KW	11KW
Operation Properties	Work with any CAD software, computer synchronously for quick data transmission.		
Cutting Materials	PVC, TPU, PU Leather, Faux Leather, Coated Fabric, Woven Fabric, Knitted Fabric		
Standard Tools	Cylinder Pen Holder,Driving Rotary Tool,Cursor		
Option	High-speed Oscillating Tool, V-notch Tool, I-notch Tool, Punching Tool, CCD Camera		
Cutting Thickness	≤10mm (according to different materials)		
Max.Cutting Speed	50m/min (according to different materials)		

Fixing Method	Vacuum System
Repeat Precision	≤0.01mm
Software Resolution	0.025
Interface	Ethernet Port
Buffer Memory	2G, Fast Transmission for Multi-page Large File
Command Mode	HPGL/GPGL/PLT/DXF Format Compatible
Control Panel	7 Inch Color Touch Screen (English Version)
Driving System	Import Servo Motor,Straight Rail
Safety Device	Electromechanical Integrated Protective Mechanism
Voltage/Power	AC380V±10%,50HZ
Fuse	6A/30A
Working Environment	-10°C~45°C



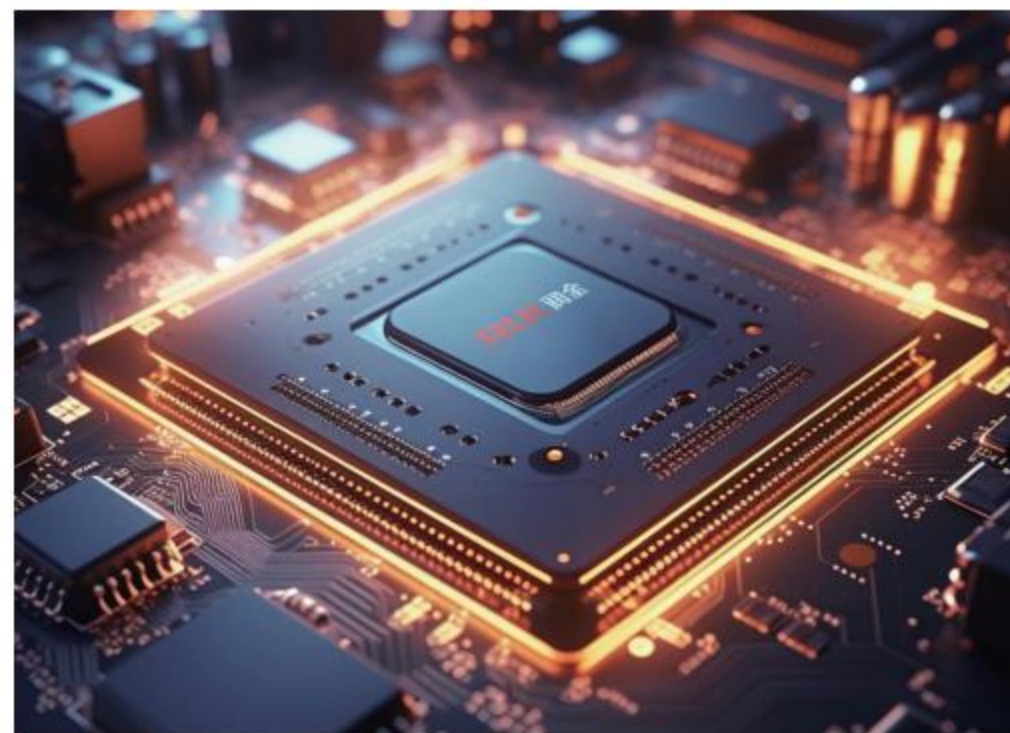
# Fine workmanship

“Strictly control every detail”



## High precision multi-tool head

Multi-function high precision machine head, different tool heads can be selected according to different materials.



## Core Circuit Board

Software and hardware are completely independently developed, with independent core technology - FPGA high frequency division controller.



## Sorting area function

The sorting area can be added to facilitate material picking, while better protecting the finished product, clean and tidy.



## Full Intelligent Protective Device

Fully intelligent safety protection device to ensure the safety of users.



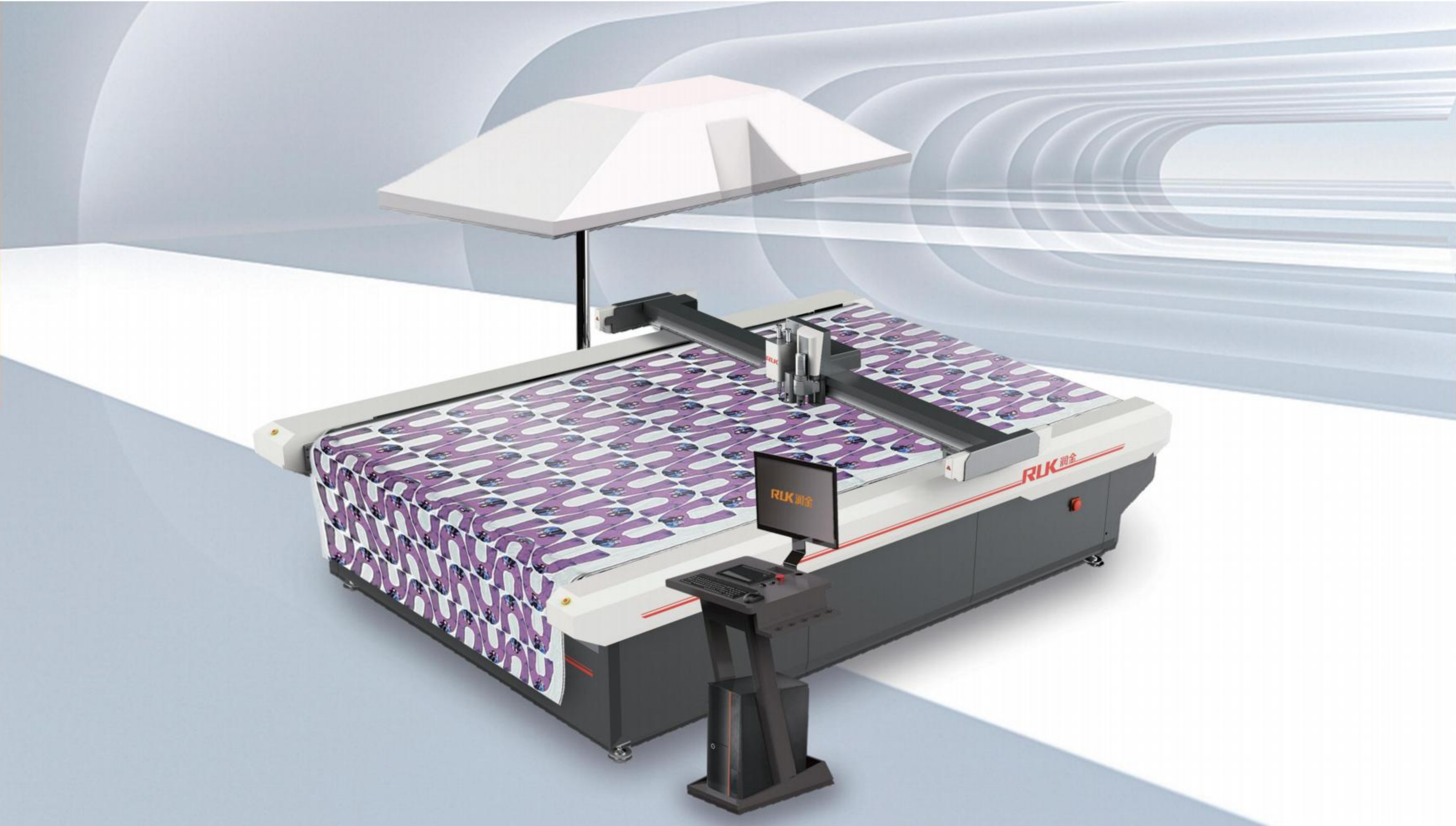
## Countertop design

Unique keel platform suction structure, multi-point adjustable, higher flatness



# MCC03

Digital printing single-layer  
Cutting machine



## TECHNICAL PARAMETERS

Model	MCC03-2516	MCC03-2518	MCC03-2520	MCC03-3020
Effective Cutting Area(mm)	2500*1600	2500*1800	2500*2000	3000*2000
Overall Dimension(mm)	3900*2585*1350	3900*2785*1350	3900*2985*1350	4400*2985*1350
Pump Power	9KW	9KW	9KW	9KW
Rated Power	11KW	11KW	11KW	11KW
Operation Model	Work with any CAD software,computer synchronously for quick data transmission			
Cutting Materials	PVC TPU PU Leather, Fuax Leather, Coated Fabric, Woven Fabric, Knitted Fabric			
Standard Tools	Pen, cursor, driving rotary tool, camera system			
Optional Tools	High-speed oscillating tool, punching tool, I notch tool, v notch tool, projection system			
Option	≤10mm (According to different cutting materials)			
Cutting Speed	100m/min (According to different cutting materials)			

Suction Method	Vacuum System
Repeat Cutting Precision	≤0.01mm
Software Resolution	0.025
Interface	Ethernet Port
Buffer Memory	2G,fast transmission for multi-page large file
System	HPGL Format Compatible
Control Panel	7 Inch Color Touch screen
Driving System	Import Servo Motor、Straight rail
Voltage/power	AC380V±10%,50HZ
Fuse	6A/30A
Working Environment	-10℃~45℃



# Details determine success or failure



## One-piece rack

Gantry milling integrated base, the whole body without screws, durable, no deformation



## Countertop design

Unique keel platform suction structure, multi-point adjustable, higher flatness



## Modular table structure design

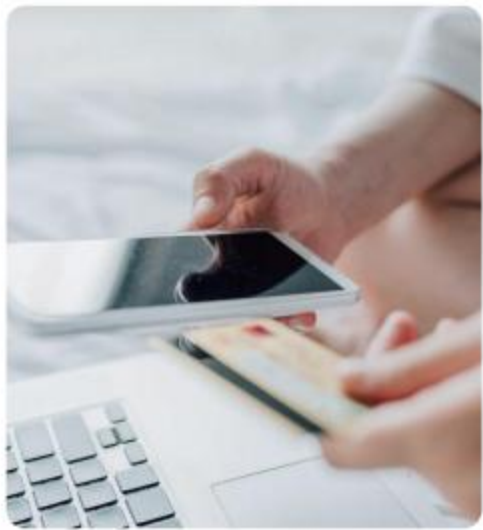
Various feeding methods can be selected to meet the needs of different industries.



## High precision multi-tool head

The tool can be switched at any time according to different materials; a variety of optional tools: oscillating tool, V notch, I notch, Driving Rotary Tool.

## Production process



Place Order



UV Printing



RUK Digital Cutting



Finished Products



Delivery



# MCC02

Suit Shirt Customization



## TECHNICAL PARAMETERS

Model	MCC02-7009	MCC02-9009	MCC02-12009
Pick-up Area	/	/	/
Effective Cutting Area(mm)	7000x900	9000x900	12000x900
Overall Dimension(mm)	7685x1828x1350	9685x1828x1350	9985x1828x1350
Pump Power	9kw	9kw	9kw
Standard Tools	Driving Rotary Tool,Cursor Cylinder Pen Holder,Projection System		
Transmission System	High-end servo motor drive,Linear guide,high precision rack and pinion		
Cutting Materials	PVC, TPU, PU, Fiber glass tape, woven fabric, knitted fabric, etc.		
Optional Tools	High-speed oscillating tool, I-notch tool, V-notch tool, Punching tool		

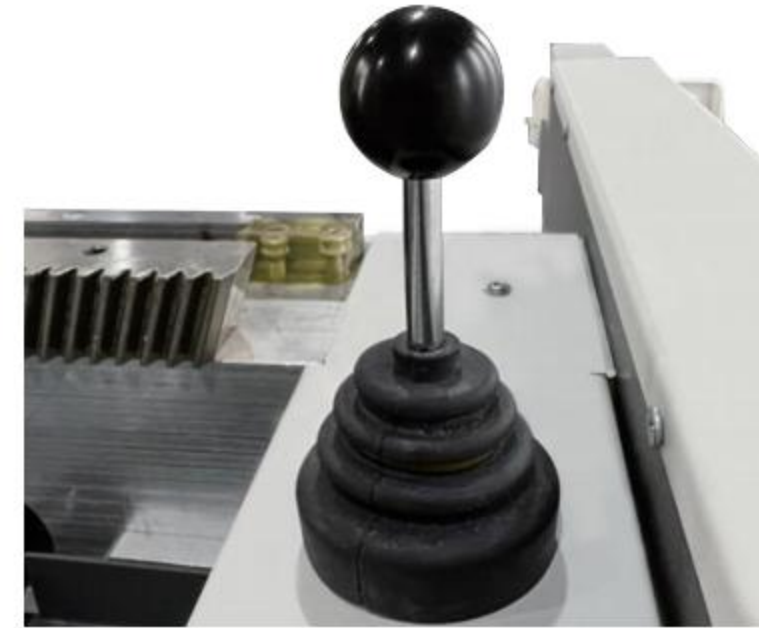
Repeat Precision	≤0.1mm
Cutting Thickness	≤10mm
Max. Cutting Speed	1800mm/s
Fixing Method	Vacuum System
Syetem	HP-GL/PLT/DXF Format Compatible
Interface	Etheret Port
Voltage	220V/380V/50-60HZ
Power	AC 380V±38V
Working Environment	-10℃~45℃



# Craftsmanship in every detail

## JOYSTICK OPERATION

Manual rocker operation, easy to manipulate the machine



## AUTOMATIC MATCHING STRIPE MATCHING

Personalized, user-friendly custom software for special production needs, such as no over cutting, no drawing, no filming

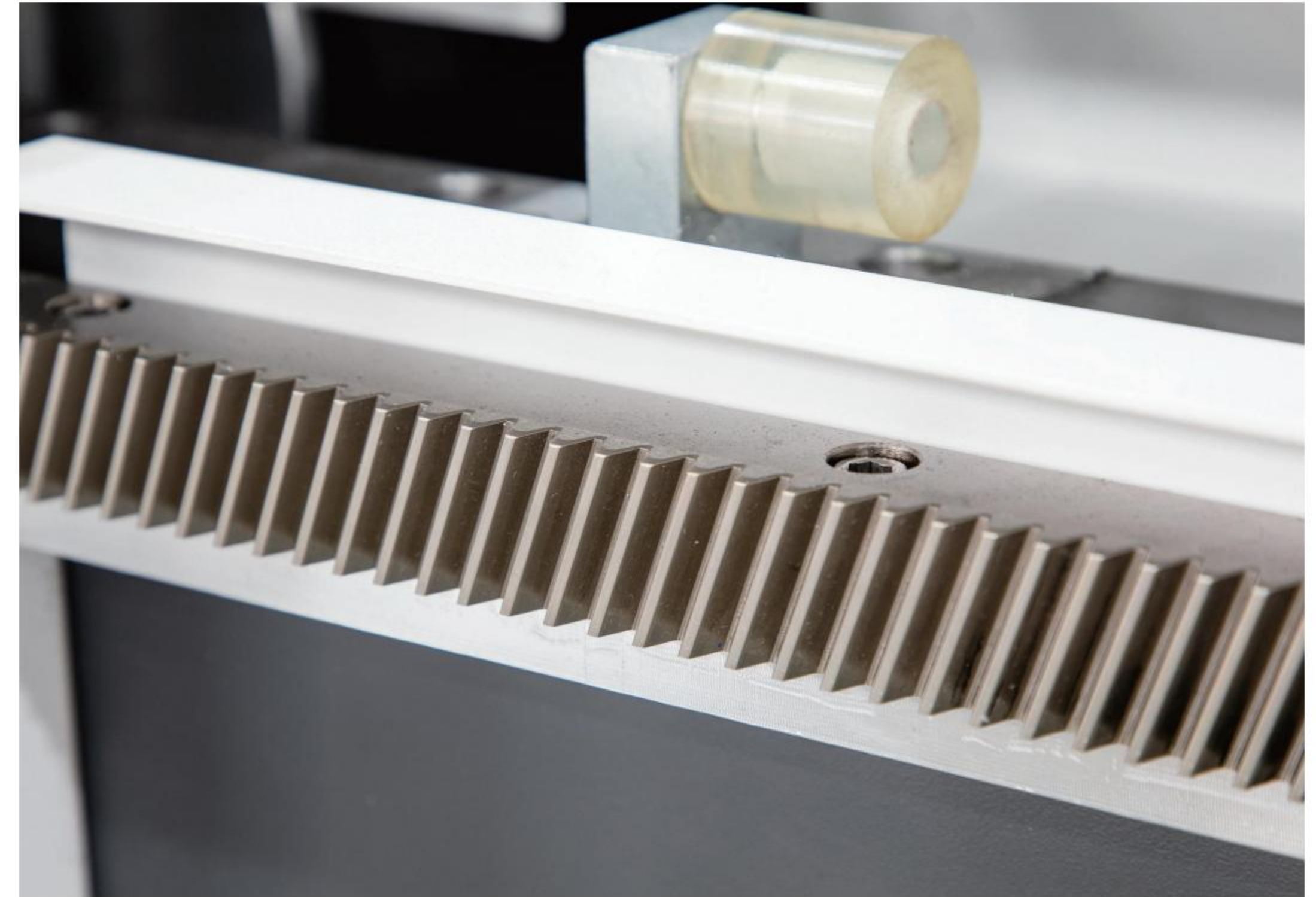


## MODULAR TABLE STRUCTURE DESIGN

Easy to transport, handling and installation; high strength gantry milling one-piece frame structure, with high strength weather resistance, durable

## PARTITIONED AIR SUCTION

Adopt partitioned air suction and tracking air suction to achieve multi-layer cutting  
Multi-point adjustable platform, durable and non-deforming



## RACK AND PINION STRUCTURE

Imported bearings and timing belts ensure cutting accuracy and speed

## VISUAL DIGITAL FINE-TUNING AND PRESET STORAGE

Designed for cutting various fabrics with high speed and smooth and neat cutting edge. Visual digital fine-tuning and preset storage of knife depth and knife pressure, no need to adjust manually by experience



# MC02-II

Sewing template  
Cutting machine



HIGH-END  
SERVO

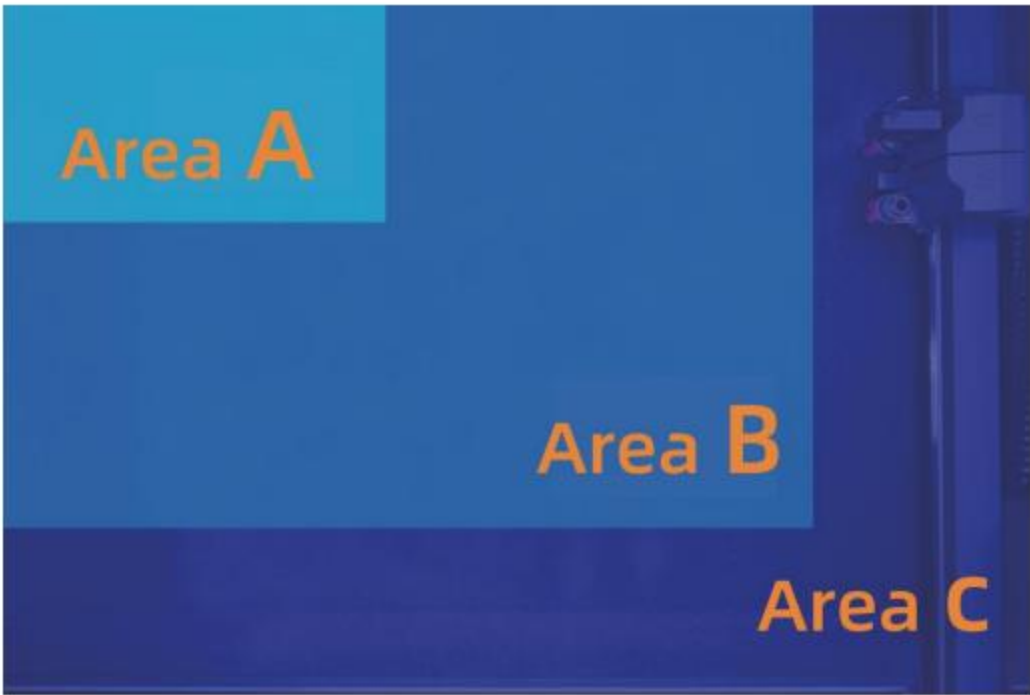
## TECHNICAL PARAMETERS

Model	MC02-II-1509	MC02-II-1812
Effective Cutting Area (mm)	1500*900	1800*1200
Overall Dimension (mm)	2100*1536*920	2400*1836*920
Pump Power	3KW	3KW
Rated Power	5KW	5KW
Operation Model	Work with any CAD software,computer synchronously for quick data transmission	
Cutting Materials	PVC board, acrylic board, etc., PET board, polymer composite materials, etc. (at the same time can cut paper sample board, kraft paper, etc.)	
Pen/Blade Type	Imported milling cutter (2mm, 3mm, 4mm, 6mm, 8mm optional), signature pen (also equipped with ordinary cutting tool)	
Cutting thickness	≤8mm	
Spindle rotation speed	24000r/min	
Cutting speed	100-1200mm/s	

Fixing method	Vacuum adsorption
Repetition accuracy	≤0.01mm
Software Resolution	0.025、0.01、0.1
Transmission port	Network port
Buffer capacity	One time fast transfer changeable page cutting
Command System	PGL/DXF
Control Interface	LCD keypad display
Drivetrain	Servo motor drive, linear guide, inverter, high-speed water-cooled spindle
Voltage/power	AC220V±10%,50HZ
Fuse	6A/30A
Working Environment	Temperature: 5°C~35°C Humidity: 35%~75%



# Details determine success or failure



## Partitioned air suction

Adopt partitioned air suction and tracking air suction to achieve multi-layer cutting Multi-point adjustable platform, durable and non-deforming



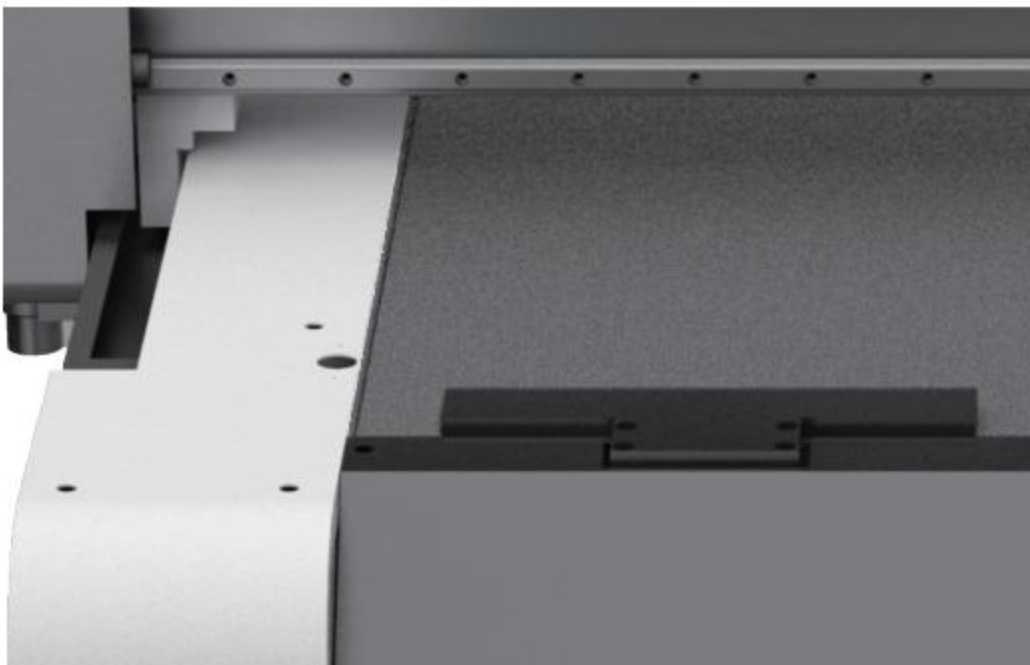
## Automatic tool setting function

Automatic adjustment of tool depth after tool change



## 90°Imported straight line

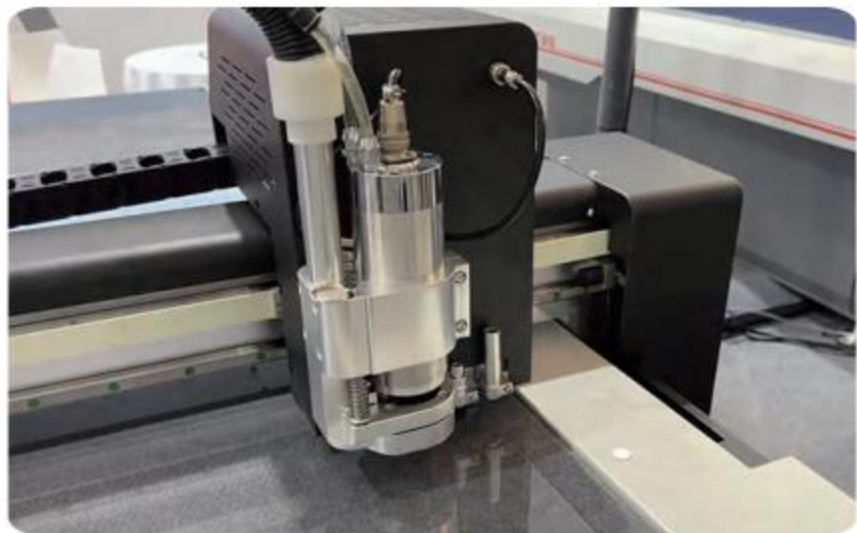
Imported linear guide rails to improve precision, multi-layer material cutting accuracy zero error.



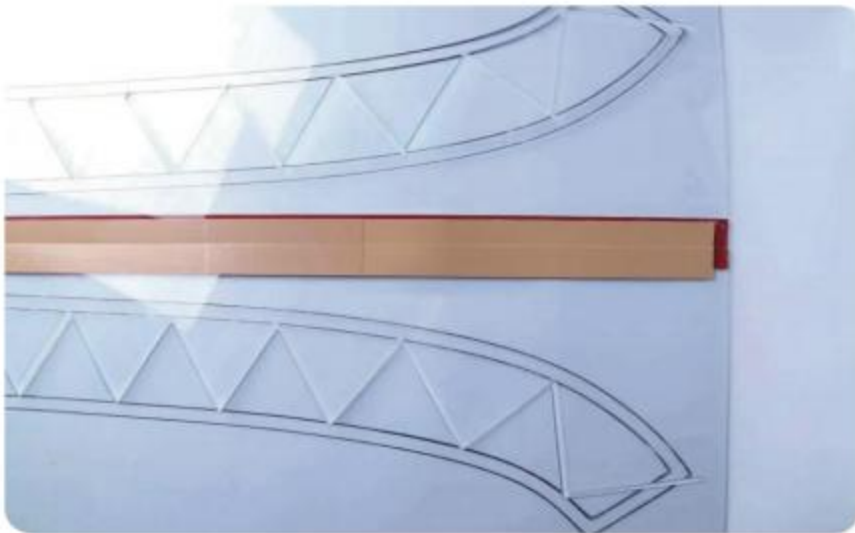
## Pressing tools

Pressing small pieces of material to prevent the material from sliding.

## Production process



The high frequency spindle motor



The sewing temolate



The sewing temolate operation



# Live shot from **factory**



Machine factory  
Complete production equipment, high production efficiency, and sufficient supply of goods



SZZN large gantry machining center



Digital CNC Precision Parts Manufacturing Workshop



Constant temperature and dust-free electronic workshop



Precision machine base sheet-metal factory

**RUK cutting machine give you best solution**

Sincerely recruit agents, Good reputation comes from good quality.

For a long time, the company has paid great attention to friendly cooperation with customers to ensure.

**Attentive service is true and sincere**

Sincerely recruit customers from all over the world, reputation comes from quality and service, cherish honor, thus won the trust and support of customers. Collaborate extensively with friends and share Prosperity has become our most sincere pursuit.

# Sales network

Company products are exported to Europe, Southeast Asia, South America, Africa and the Middle East and other countries.

## OUR FOOTPRINTS



### Sincerity

let the user get "RUK technology" timely, sincere and thoughtful service.

### Quality Commitment

strictly comply with the ISO9001 quality management system for overall quality control.

### Quality Assurance

72 hours of running test before the machine. Is out of the factory, without any worry.

### 24 hours online service

Having 24 hours online service at anytime and anywhere.