

# KD 1822-SY

Large Flatbed Top Vision Laser Cutting Machine



## INTRODUCTION

Laser cutting is an industrial process used in many different fields. It is ideal enough to smoothly and effectively cut many kinds of materials without causing it any harm overall.

The co2 laser cutting machine with Canon SLR camera and smart vision system can automatically recognize the contour of the printed or embroidered fabrics, leather, and other flexible materials and then cut with super high accuracy and efficiency.

Bigger cutting area, but with the same cutting precision. KASU KD1822-SY'S double asynchronous laser cutting heads are installed in two separate guide rails, cutting

## Effective Working Area:

Vision: 1800MM\*2000MM

Non Vision: 1800MM\*2200MM

heads are installed in two separate guide rails, cutting different shapes of patterns.

It supports one-time cutting of plain fabrics with 1800\*2200mm under non-vision working mode and 1800\*2000mm under vision working mode.

And it also supports continuous joint cutting of oversized patterns over 1600mm in length.

## APPLICATIONS



Sportwear



Printing Leather



Clothing



Banner



Toy



Applique



Embroidery



Lace

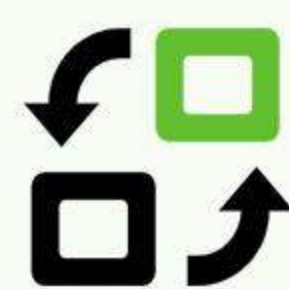
■ KEY FEATURES



Bigger Cutting Area,  
Same Cutting Precision



Doubled Cutting Efficiency,  
Higher Productivity



Both Vision and Non-Vision  
Working Modes



Stable and  
24 Hours Running



Super Simple  
to Operate

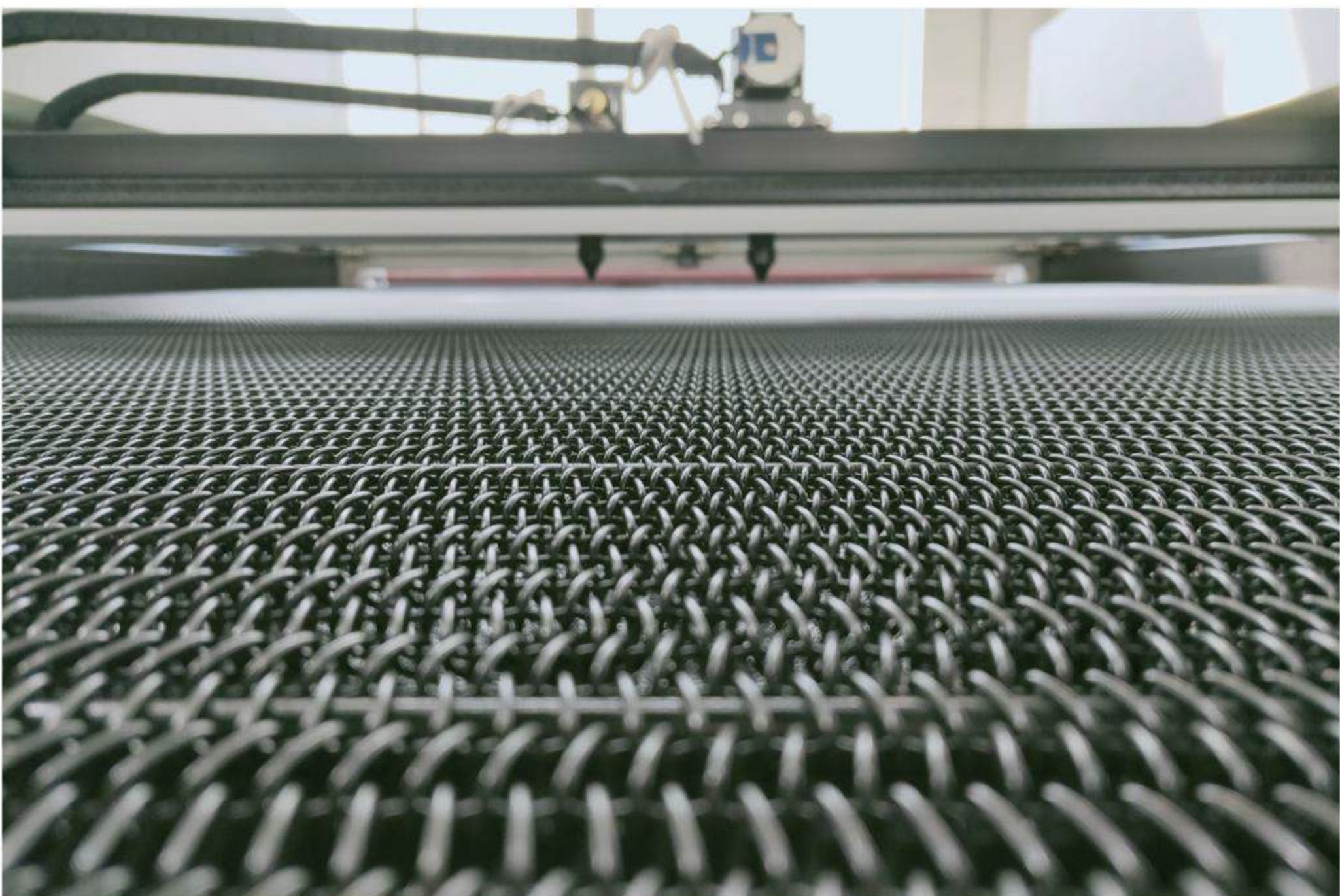
■ Self-Owned Large Vision Software System

KASU owns the full property of the large vision software system. Together with the Canon EOS Camera with 2,400 Mega Pixels, the KD1822-SY camera laser cutter's vision software automates the whole graphic detection and position cutting process.

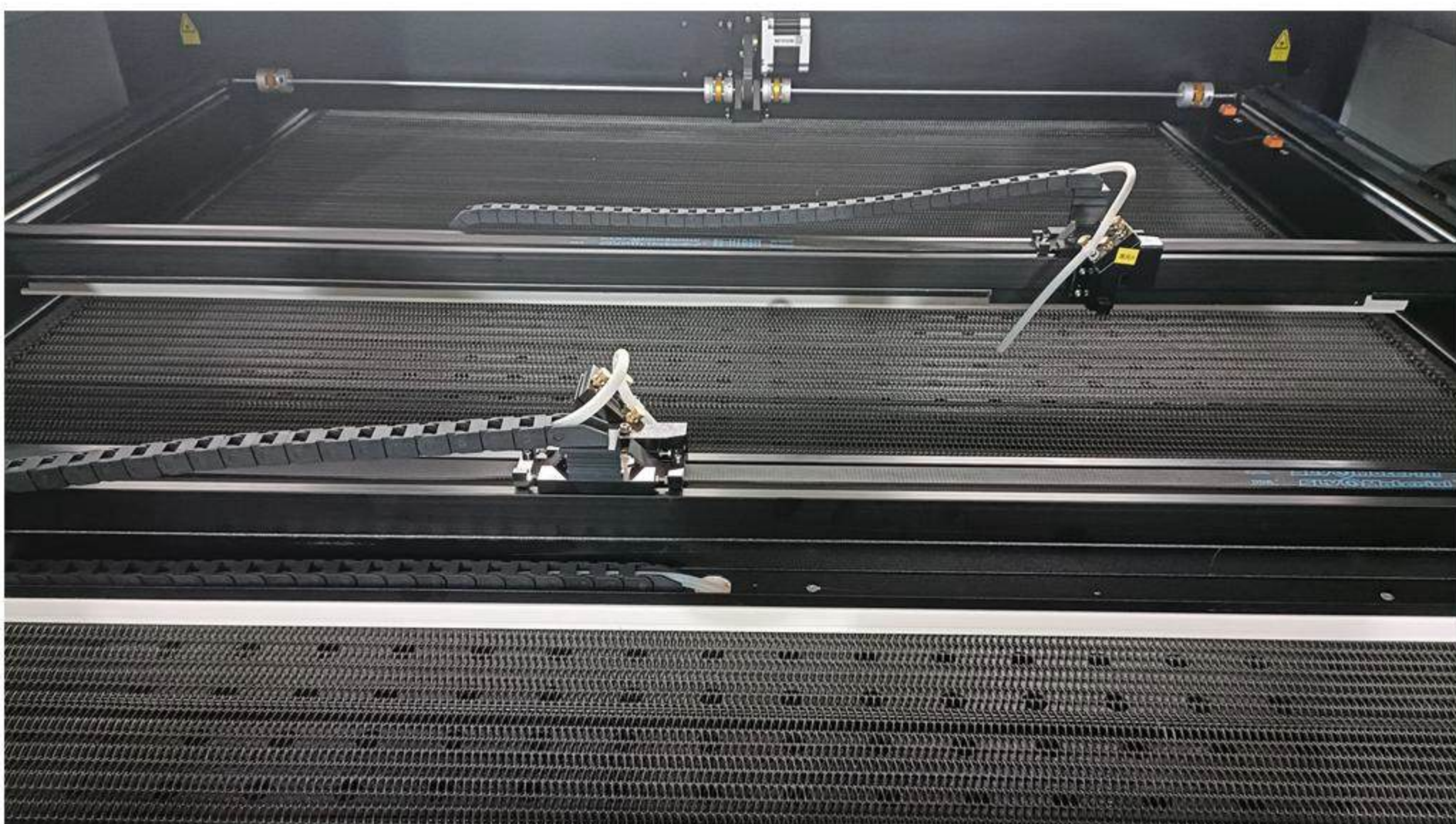


■ Auto Feeding Conveyor Table

KD1822-SY is equipped with a chain conveyor belt, which can auto-feed the roll material right after the laser cutting process. With the optional active feeder, the operator only needs to take care of the cut pattern pick-up job.

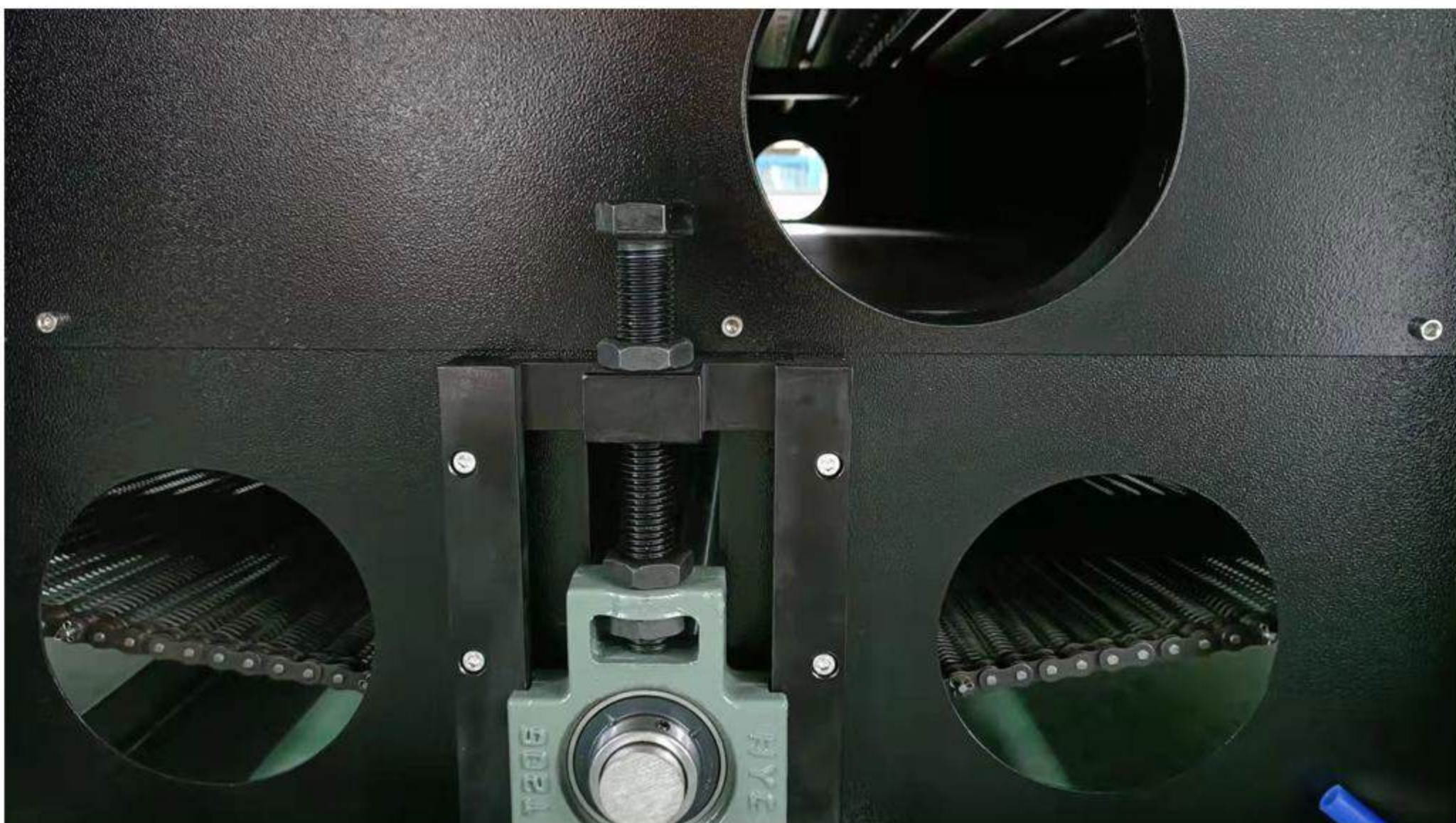


■ Dual-Heads With Dual-Guidrails



Unlike the dual heads with single guide rail model, KD1822-S2 , the innovative invention of KD1822-SY ensures the two heads of the camera laser cutter can cut either same or different designed patterns at the same time.

■ Three-Axis Structure Design

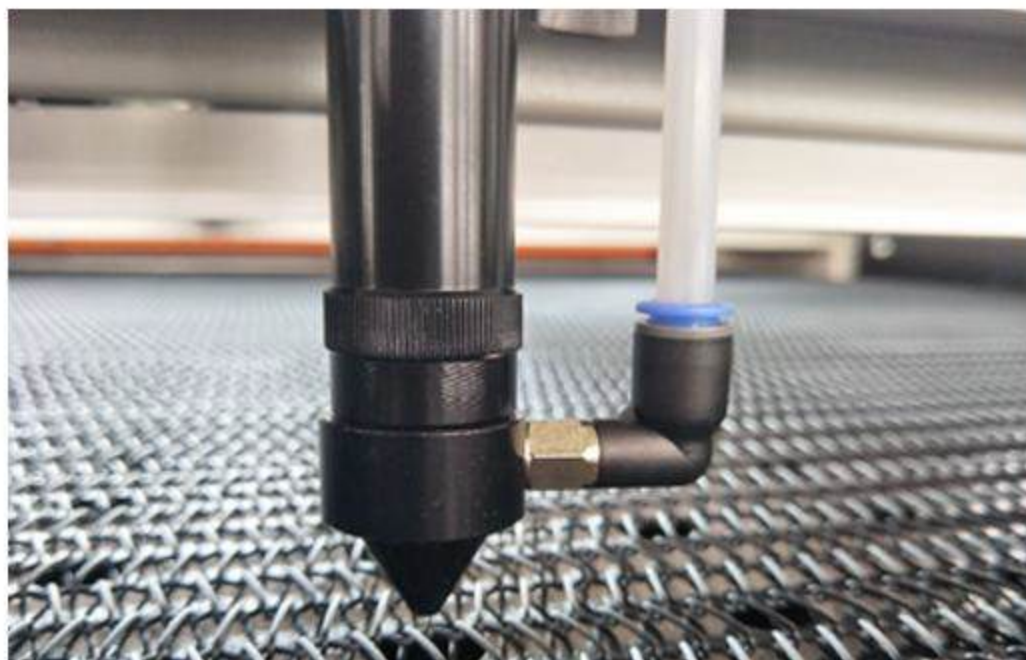


The triangle structure is more stable and more convenient to adjust the conveyor belt. Reasonable cavity design enhances the effect of fume exhausting. And it offers bigger room than two-axis structure and reduce the risk of potential fires. Also bigger room makes the dust exhausting job much easier for you.

■ TOP QUALITY SPARE PARTS



Control Card



Cutting Head



Glass Tube



Laser Power



AC Water Chiller



Exhausting Fan



Air Pump



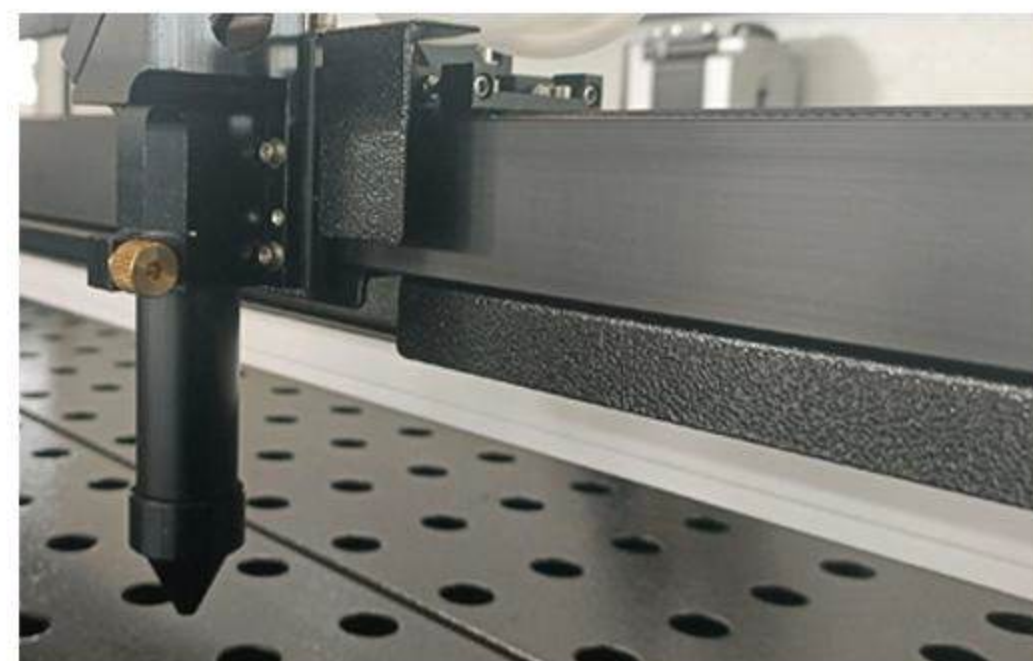
Lense



Stainless Steel Screw



Motion Module



Guide Rail



Spare Parts Tool Kit

To keep your laser cutter running for years, we provide you high quality spare parts verified by our QC process. And we offer replacing spare parts to our clients at COST PRICE just to ensure you have the best using experience and lowest maintenance cost.

■ SAFETY DESIGN

Following the safety standards, we try everything to make a reliable machine to protect both your operator and your laser machine.



All-Round Safe Cover



Alarm Lamp



Emergency Button



Switch Built-in Design



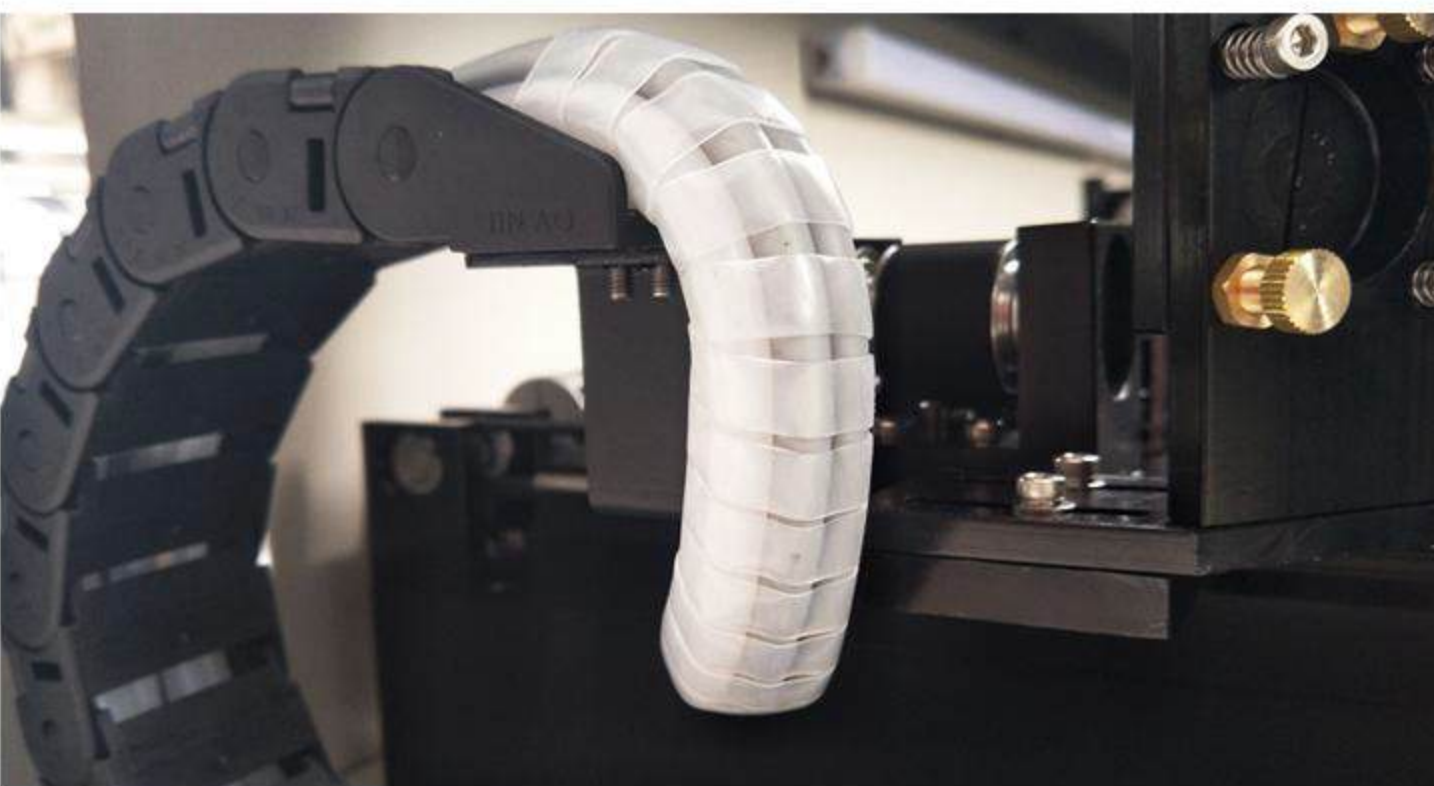
High-Voltage Wire Insulation



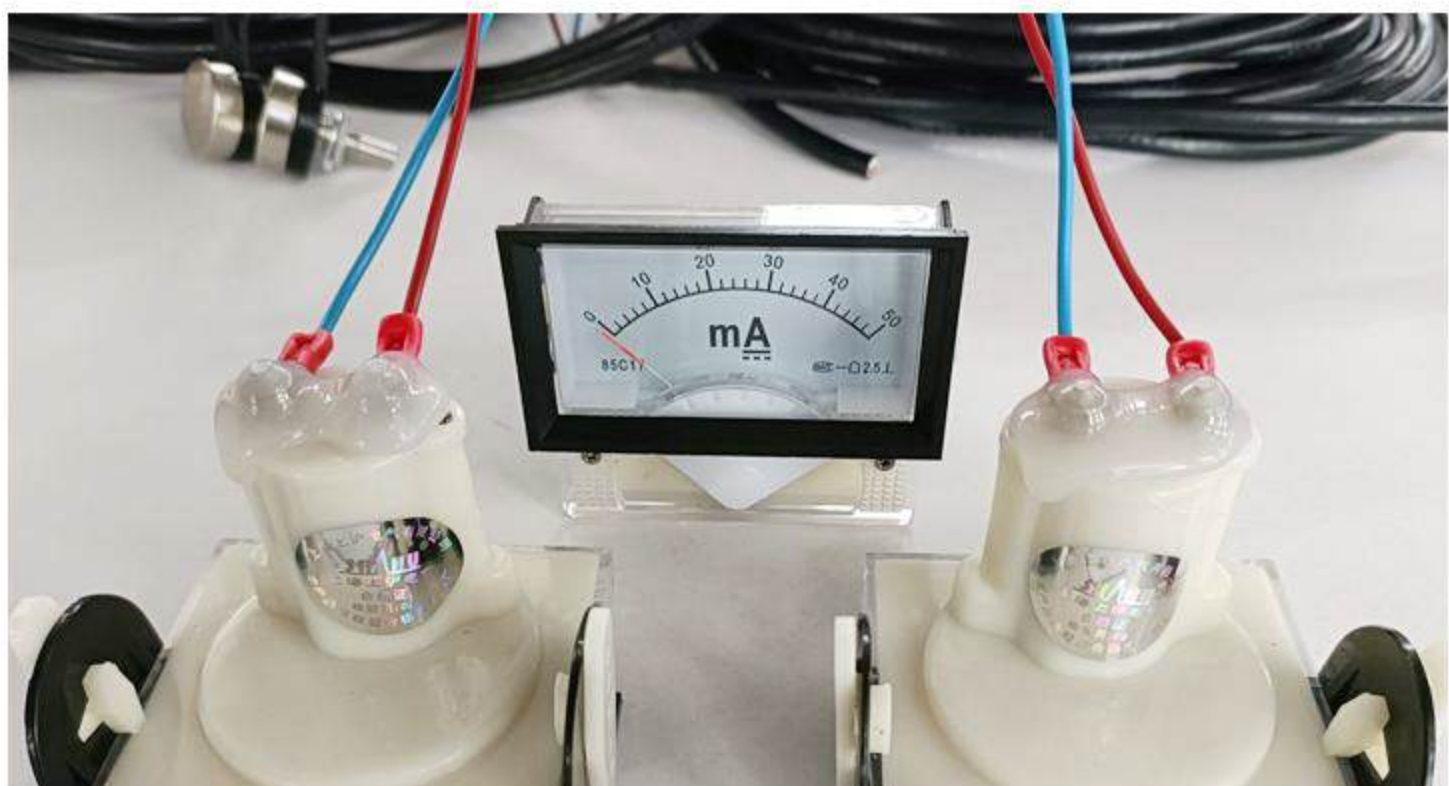
Insulation Support Frame



Notification Stickers



Wire Protection

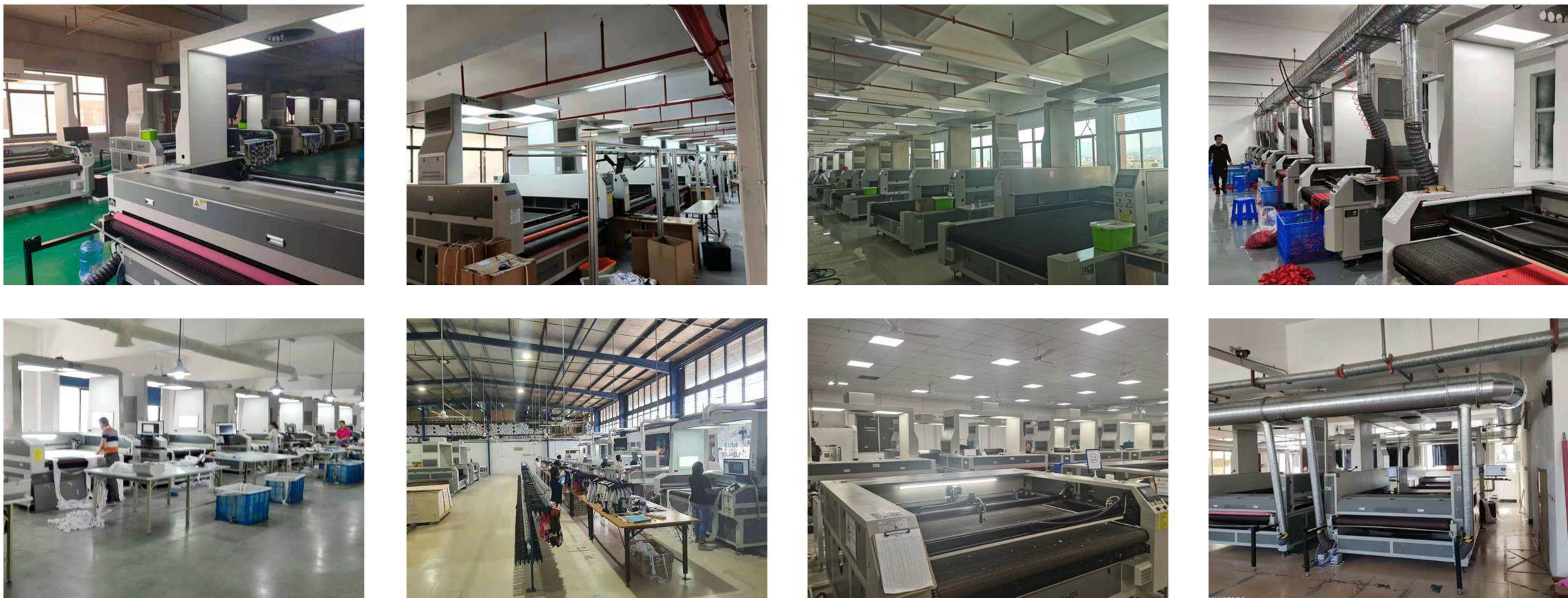


Connector Insulation

MACHINE PARAMETERS

|                |                                                            |                           |                              |
|----------------|------------------------------------------------------------|---------------------------|------------------------------|
| Working Area   | 1800MM*2000MM Vision Mode<br>1800MM*2200MM Non-Vision Mode | Software                  | KASU                         |
| Laser Type     | Glass CO2 Laser Tube                                       | Working Speed             | <1000 MM/S                   |
| Laser Power    | 80/100/130/150W                                            | Power Supply Requirements | AC220V±5% 50Hz/60Hz 1Phase   |
| Heads of Laser | Dual Heads                                                 | Format Supported          | AI\BMP\PLT\DXF\DST           |
| Dimensions     | 2.42*3.1*2.98M                                             | Positioning Accuracy      | ±0.1MM                       |
| Net Weight     | 1050KG                                                     | Operating Temperature     | minus 10℃~45℃                |
| Motion System  | Step Motor                                                 | Operating Humidity        | 5-95%                        |
| Cooling System | 5200 Industrial Water Chiller                              | Total Power               | <1.5KW (Excluding exhauster) |

SUCCESSFUL STORIES



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