

FOSTER

1610 CO2 LASER CUTTING MACHINE

CO2 laser cutting machine for shoe factory, Clothing factory, Handicraft factory, Advertising industry.



**Other choose:
1810 / 1812 model**

WORKING AREA:

1600MMX1000MM FOR 1610

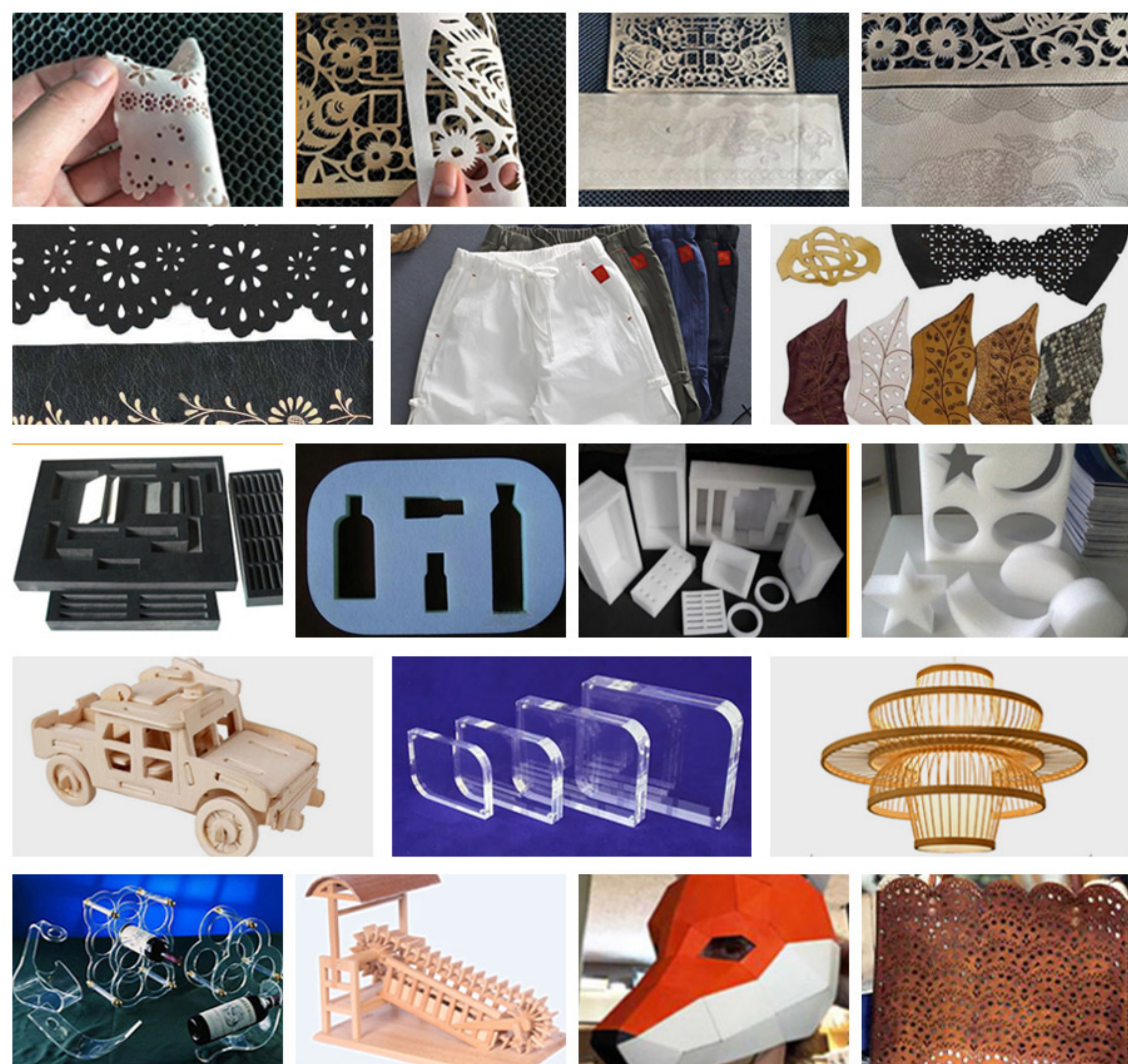
1800MMX1000MM FOR 1810

1800MMX1812MM FOR 1812

PRODUCT APPLICATION

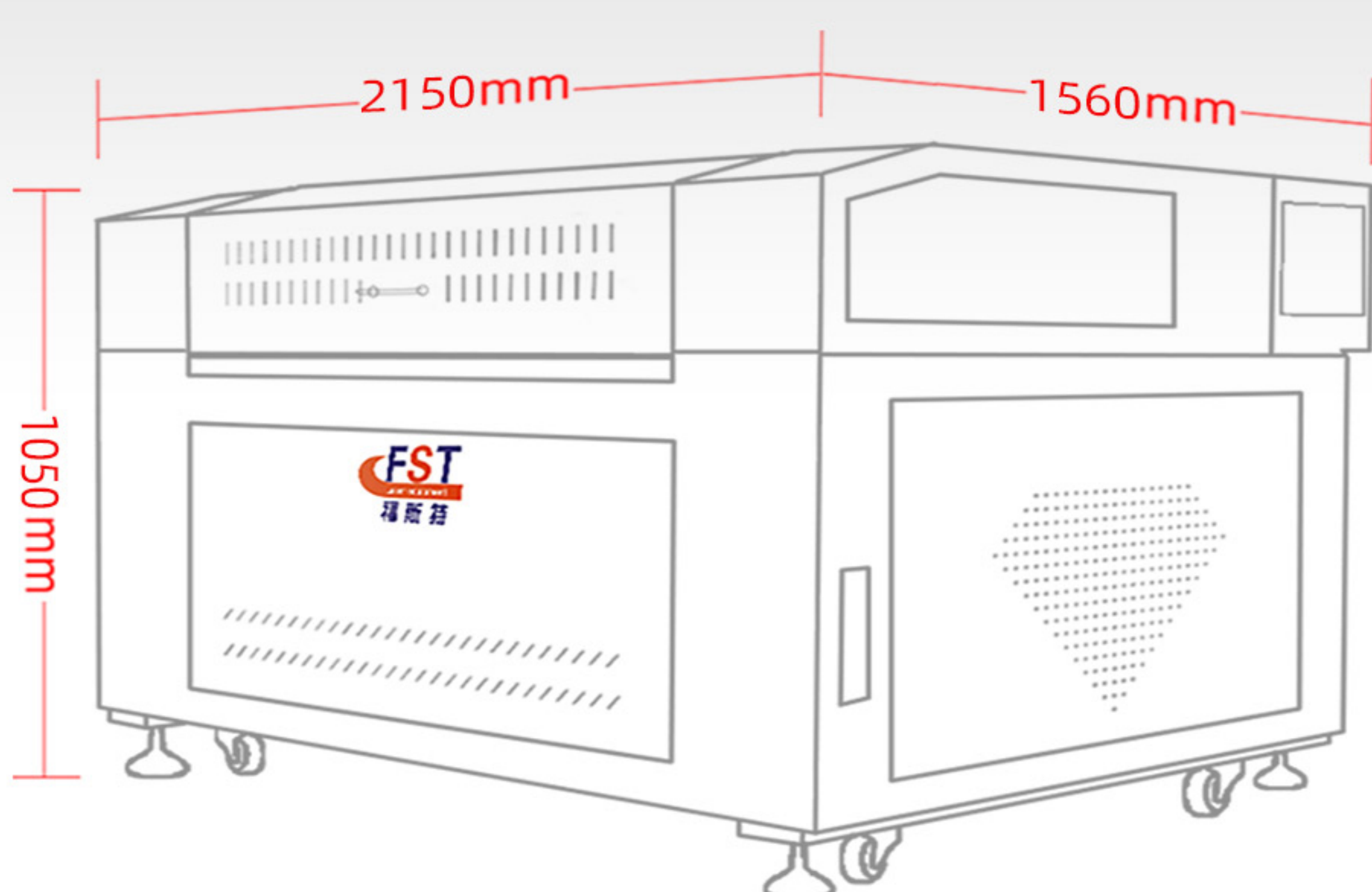
For shoe factory, Clothing factory, Handicraft factory, Advertising industry.

Material	Cut	Engrave
Acrylic, Plexiglass, PMMA, Perspex, Organic Board, Double Color Plate	v	v
Plastic, PP, PET, PC, PMMA, PS, PES, PA, Plastic Foils&Films, Polycarbonate, Polyester or Polyimide Membrane Keyboards	v	v
Wood, Bamboo, Veneer, MDF, Blasa Wood, Plywood	v	v
Leather, Pig Leather, Cow Leather, Sheep Leather	v	v
Textile, Cotton, Silk, Felt, Lace, Synthetic&Technical Textiles, Aramid, Polyester, Fleece	v	x
Foam&Filter, Mats Polyester(PES), Polyethylene(PE), Polyurethane(PUR)	x	x
Neopren	x	x
Paper, Cardboard, Chipboard, Press Board	v	v
Stone, Ceramic, Granite, Marble, Natural Stone, Pebble Stone, Slate	v	v
Rubber Stamps, Synthetic&Silicone Rubber, Natural Rubber, Microporous Foam	x	v
Silicone Rubber, Synthetic Rubber	v	v
Glass, Pressed Glass, Float Glass, Crystal Glass, Mirror Glass	x	v



Cutting thickness of different laser power for reference:			
Laser power(W)	Acrylic(mm)	Plywood(mm)	MDF(mm)
40W	3	2	4.5
60W	8	5	3
80W	12	8	6
100W	15	12	9
130W	20	15	12
150W	25	20	15

DETAIL DISPLAY



01

MULTIPLE LASER HEADS CAN BE CHOOSE

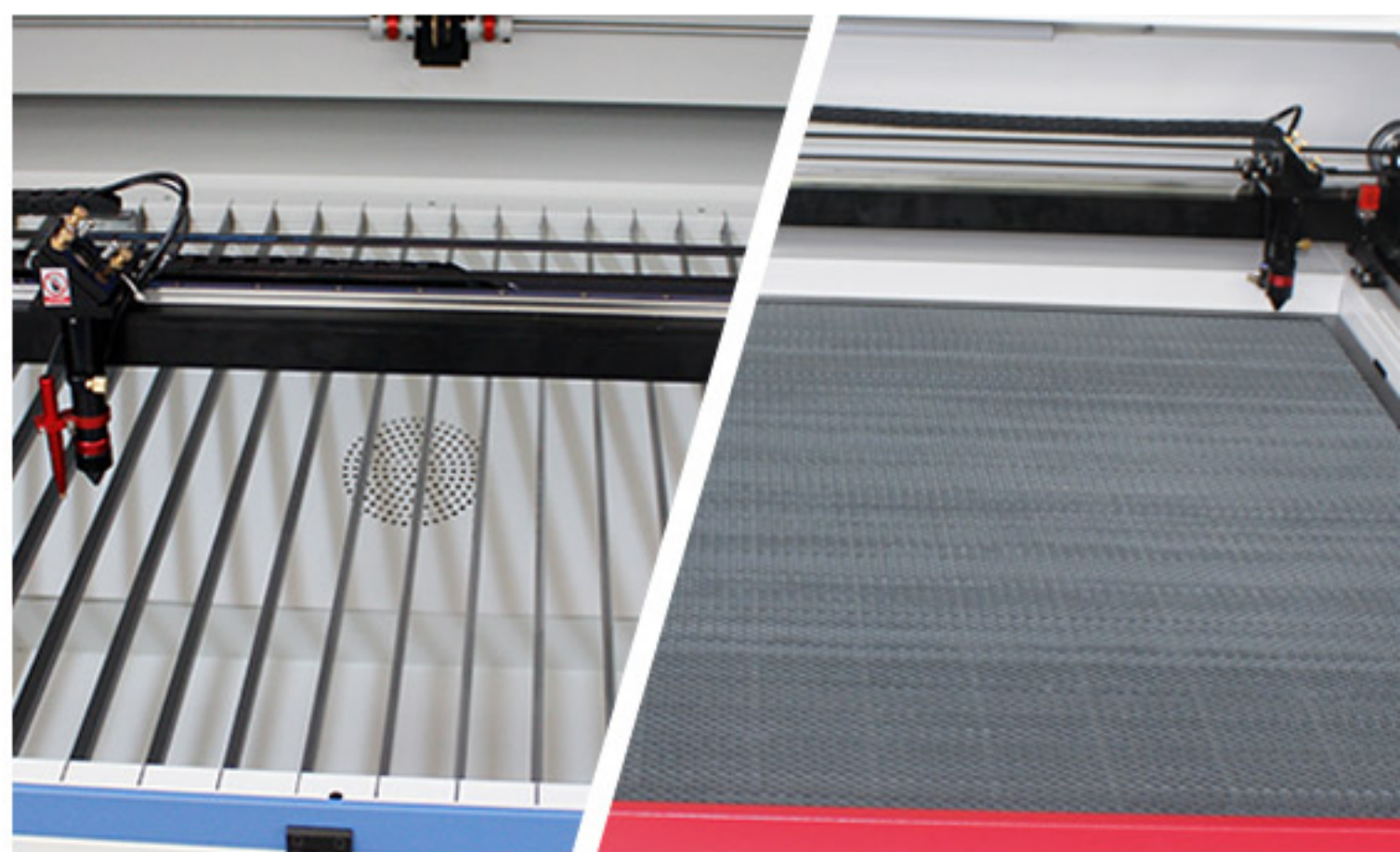
Two, three, four, or more laser heads can work at the same time, greatly improving work efficiency.



02

WORKING PLATFORM

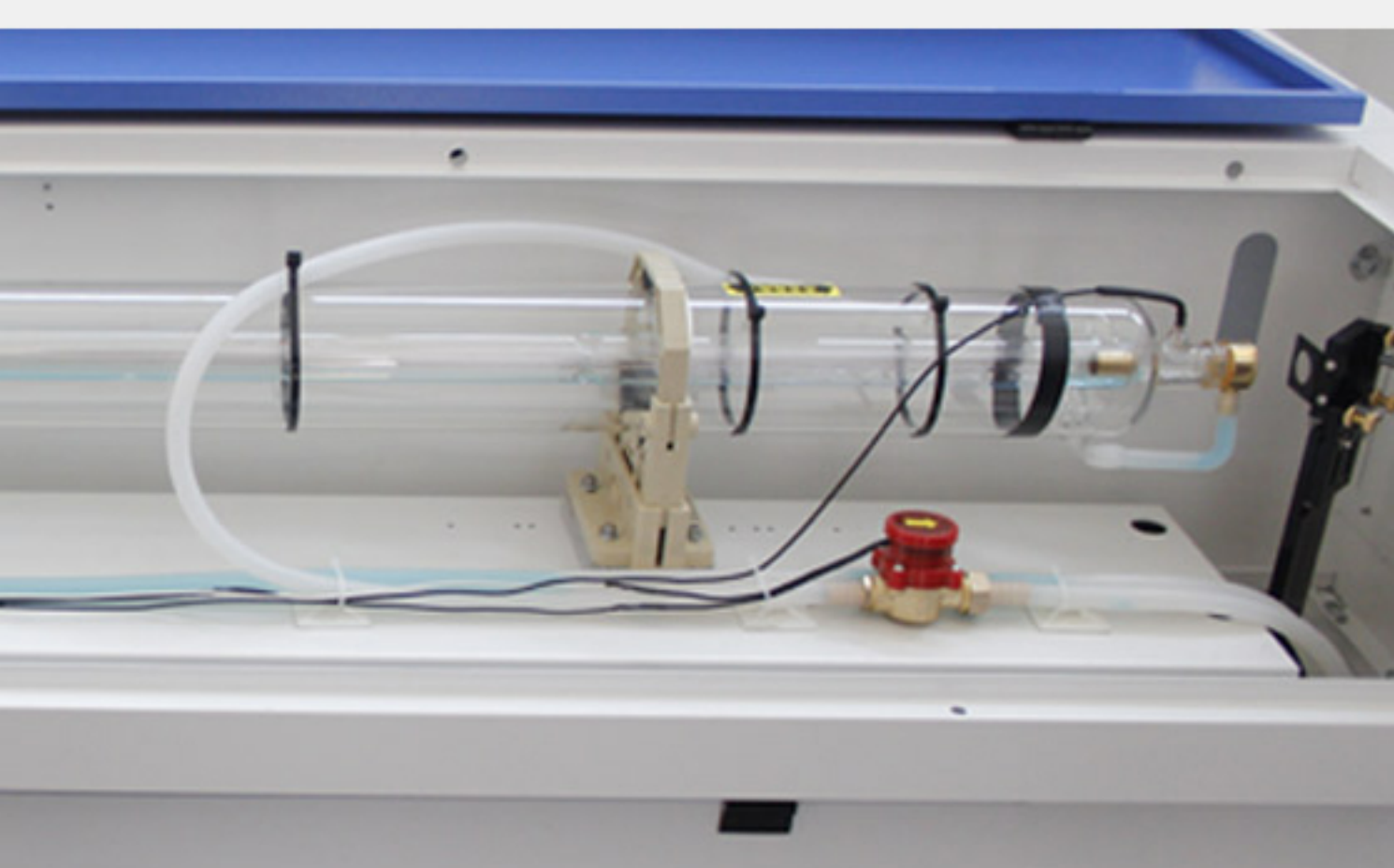
Aluminum knife or Honeycomb worktable



03

CHINESE FAMOUS BRAND LASER TUBE

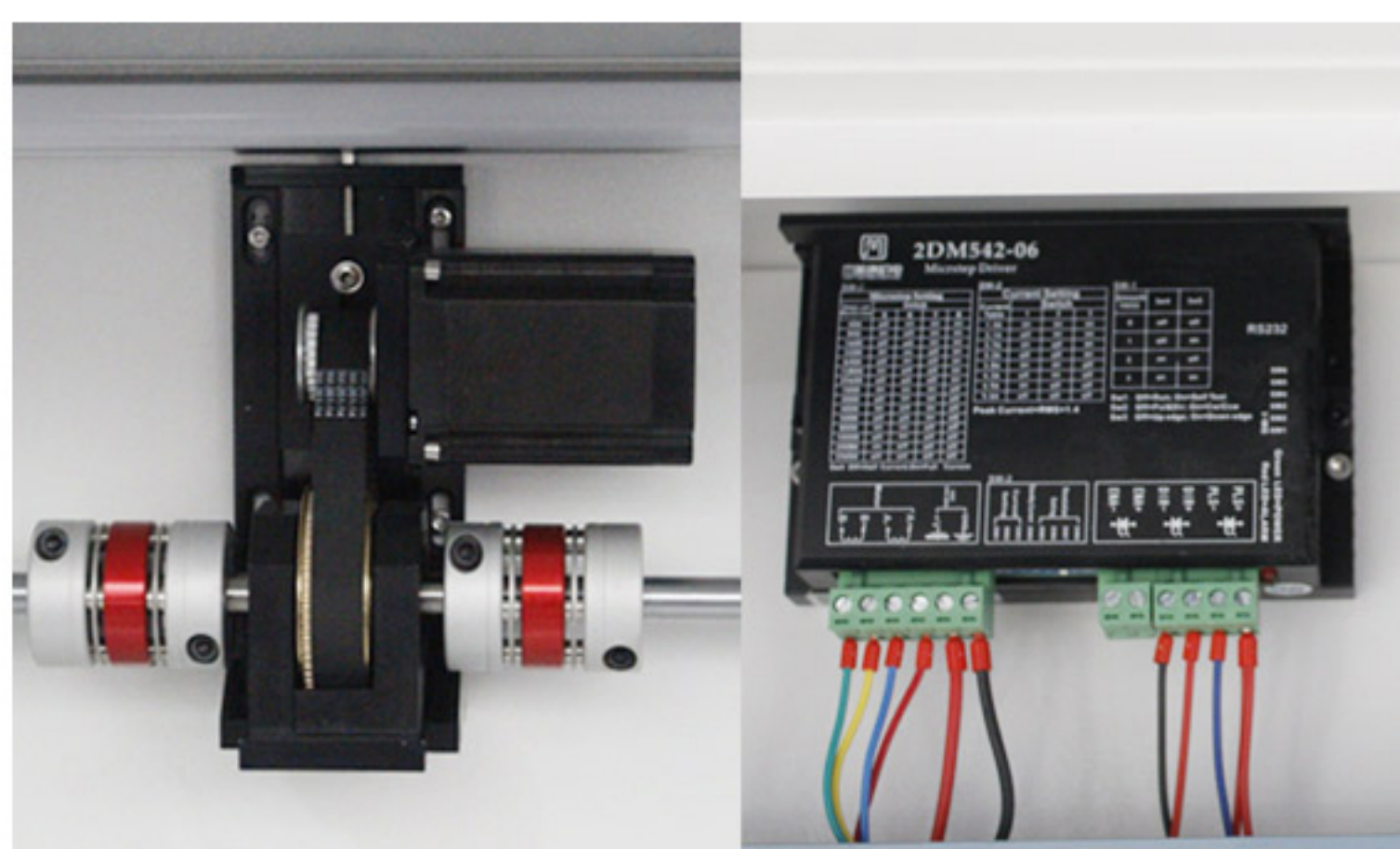
EFR, RECI, CDWG, YONG-LI, JOY. Optional



04

MOTOR AND DRIVE

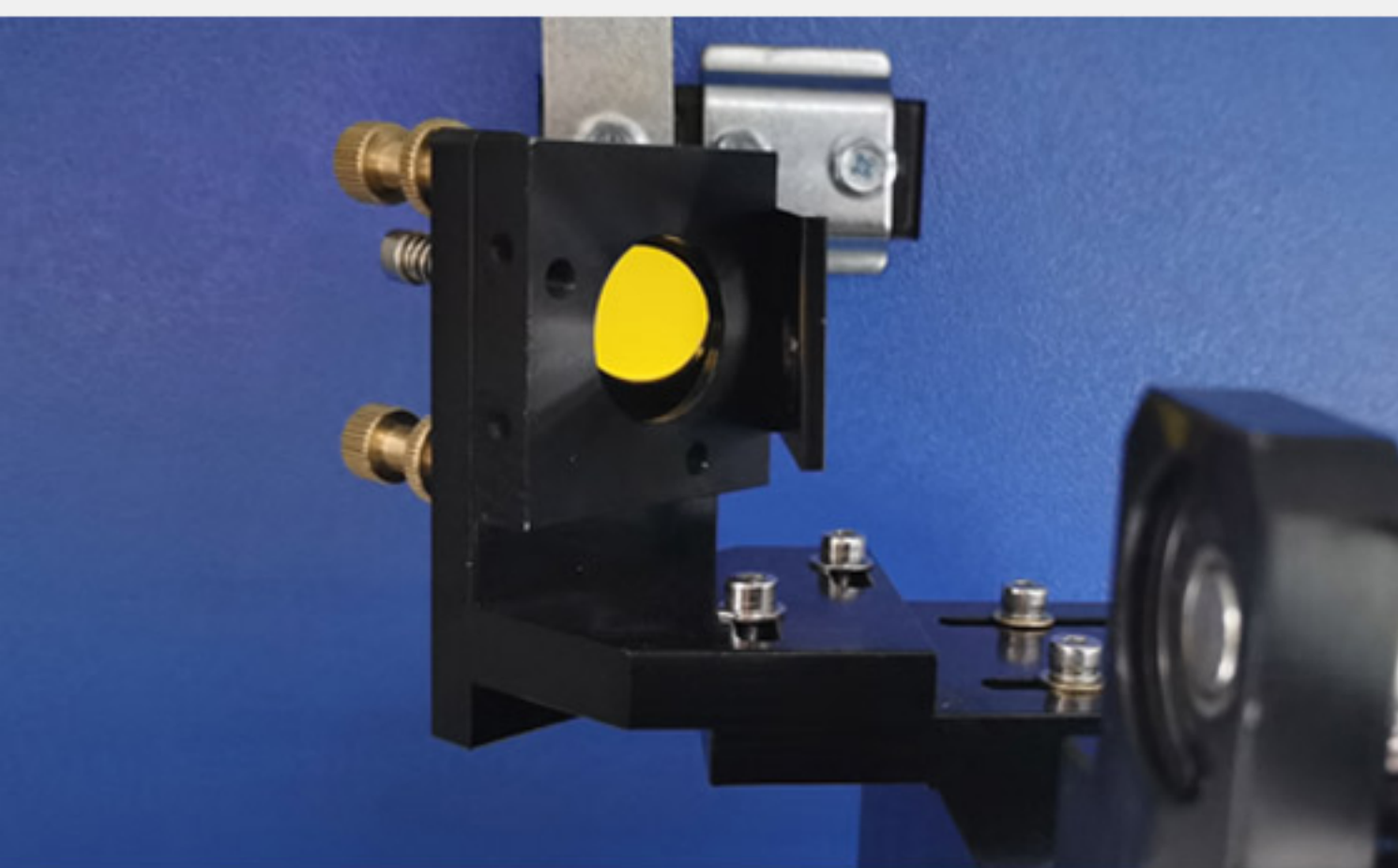
Chinese brand, High precision and stability



05

LENS AND FRAME

Imported USA II-VI Lens



06

SWITCH AND INTERFACE

Ammeter, switch, USB interface, etc.



07

RUIDA RDC-6445G CONTROL SYSTEM



Wifi Control(optional)



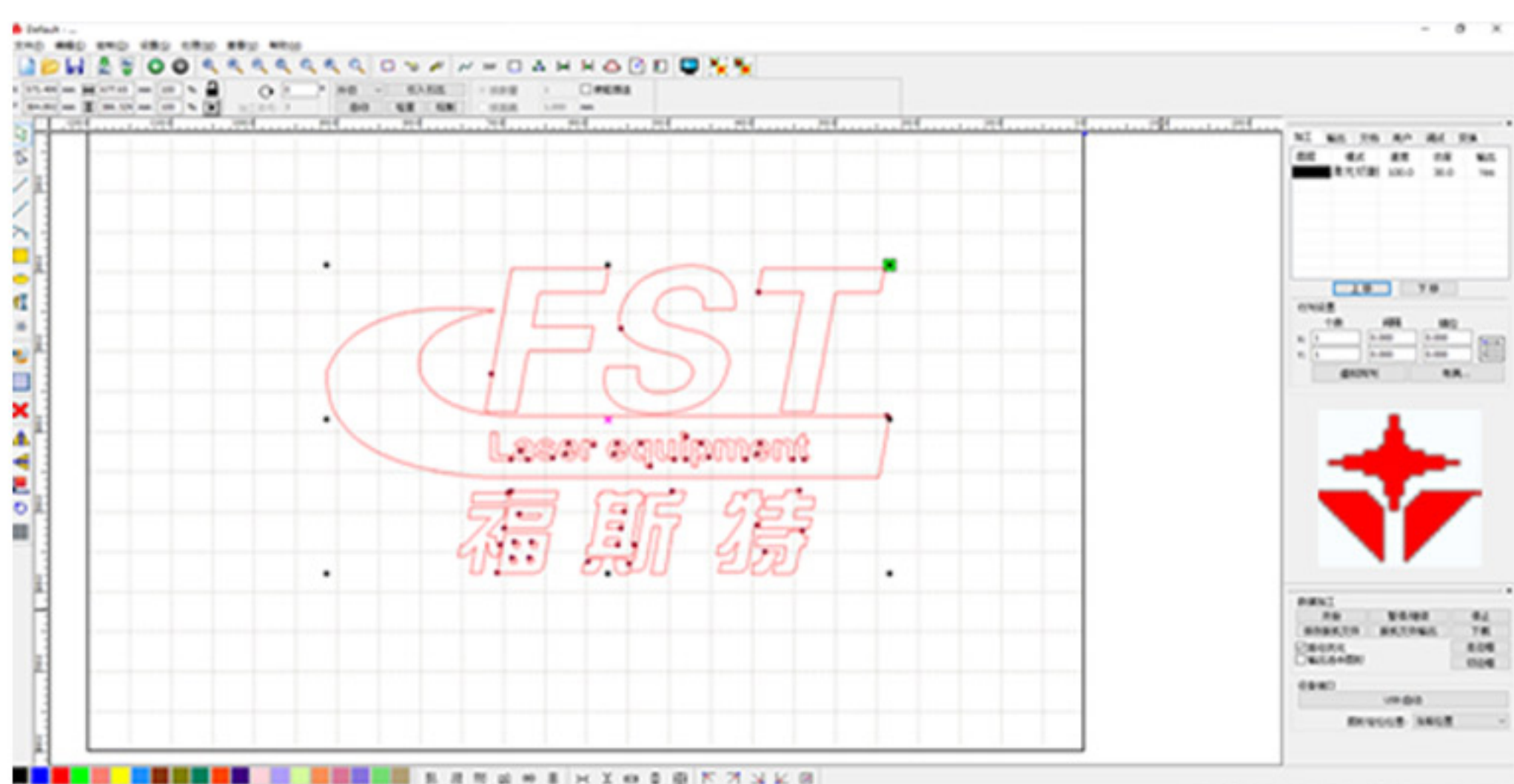
Mobile App(optional)



08

SOFTWARE

Supported software and software plug ins



LightBurn



AutoCAD

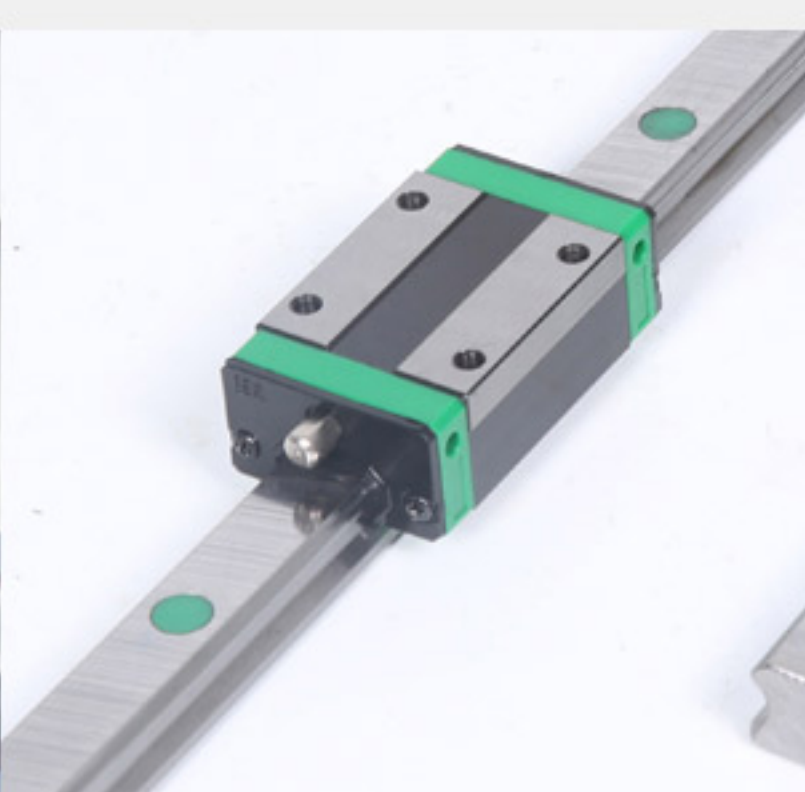
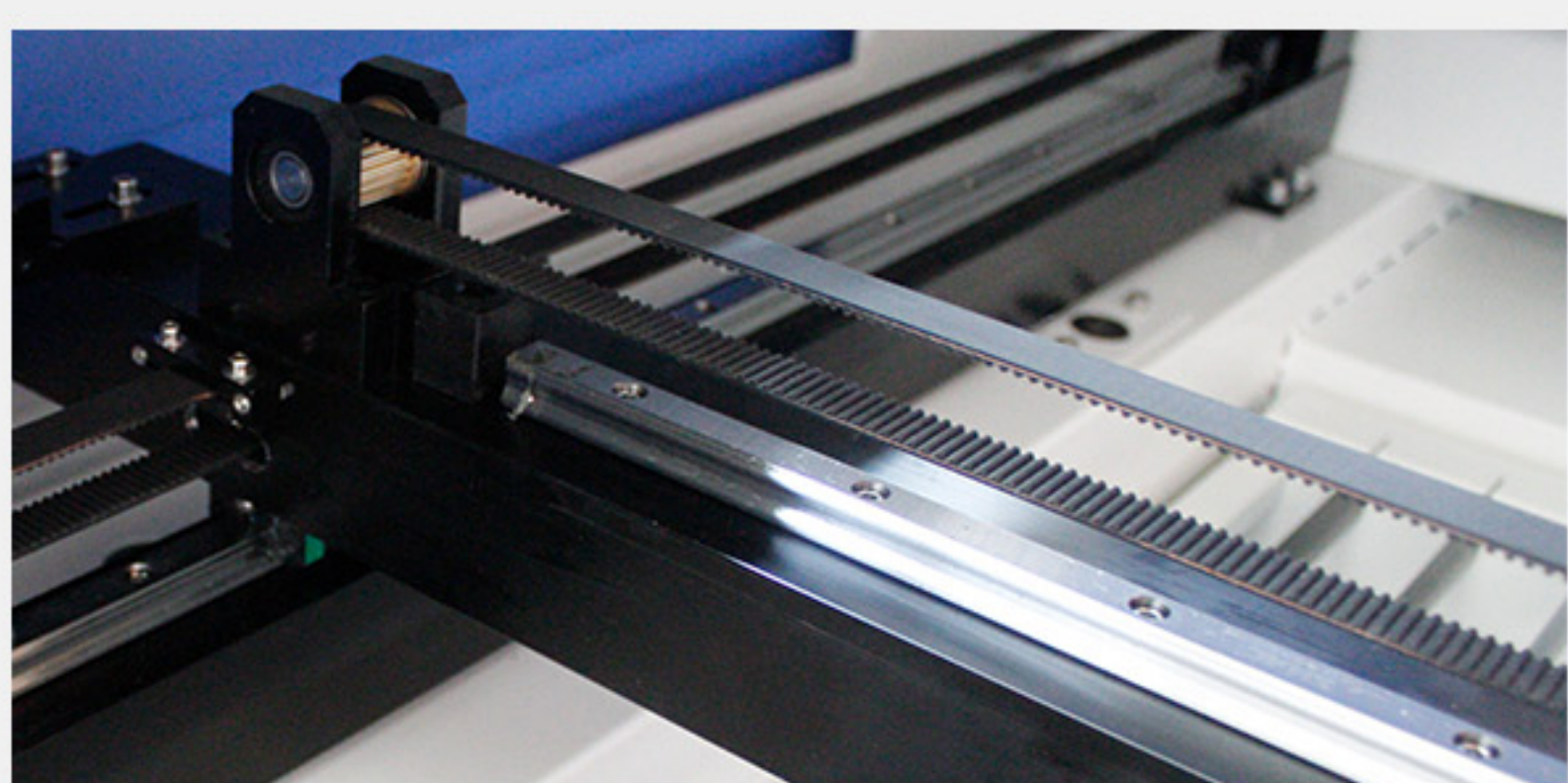


CorelDRAW

09

LINEAR GUIDE RAIL

Apply imported square rails. Stable and durable.



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LIFTING PLATFORM (OPTIONAL)

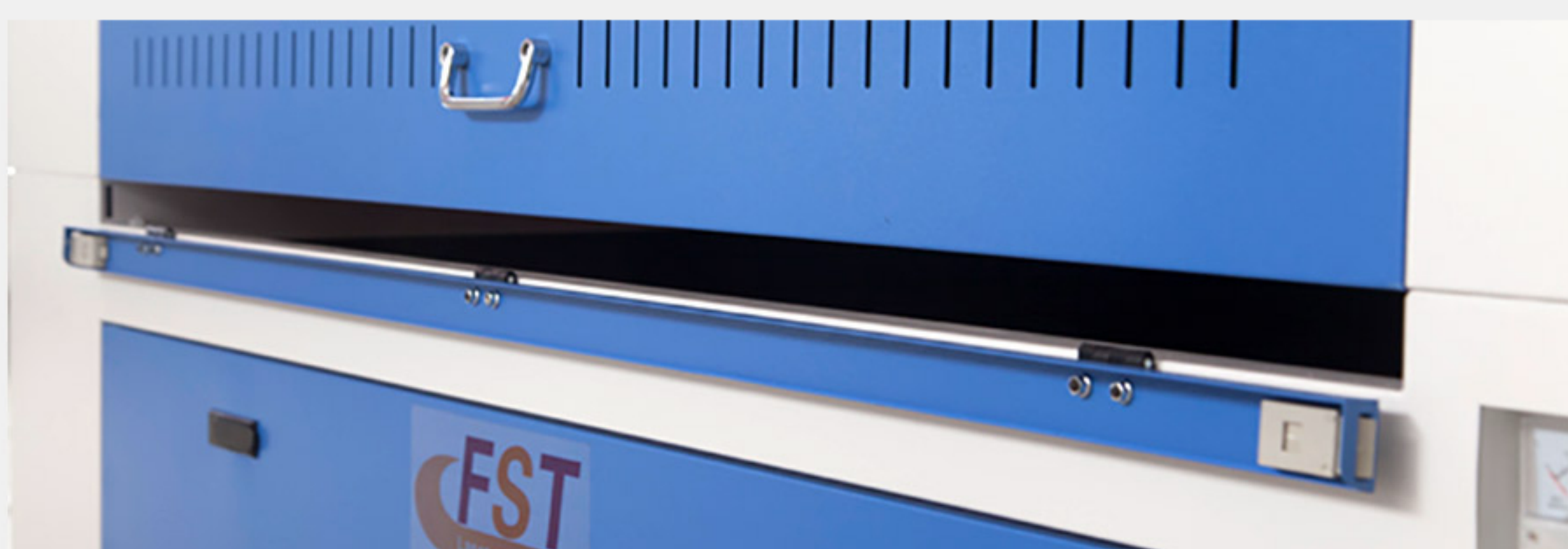
It allows you to process large-size materials.



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FRONT AND REAR FEEDING

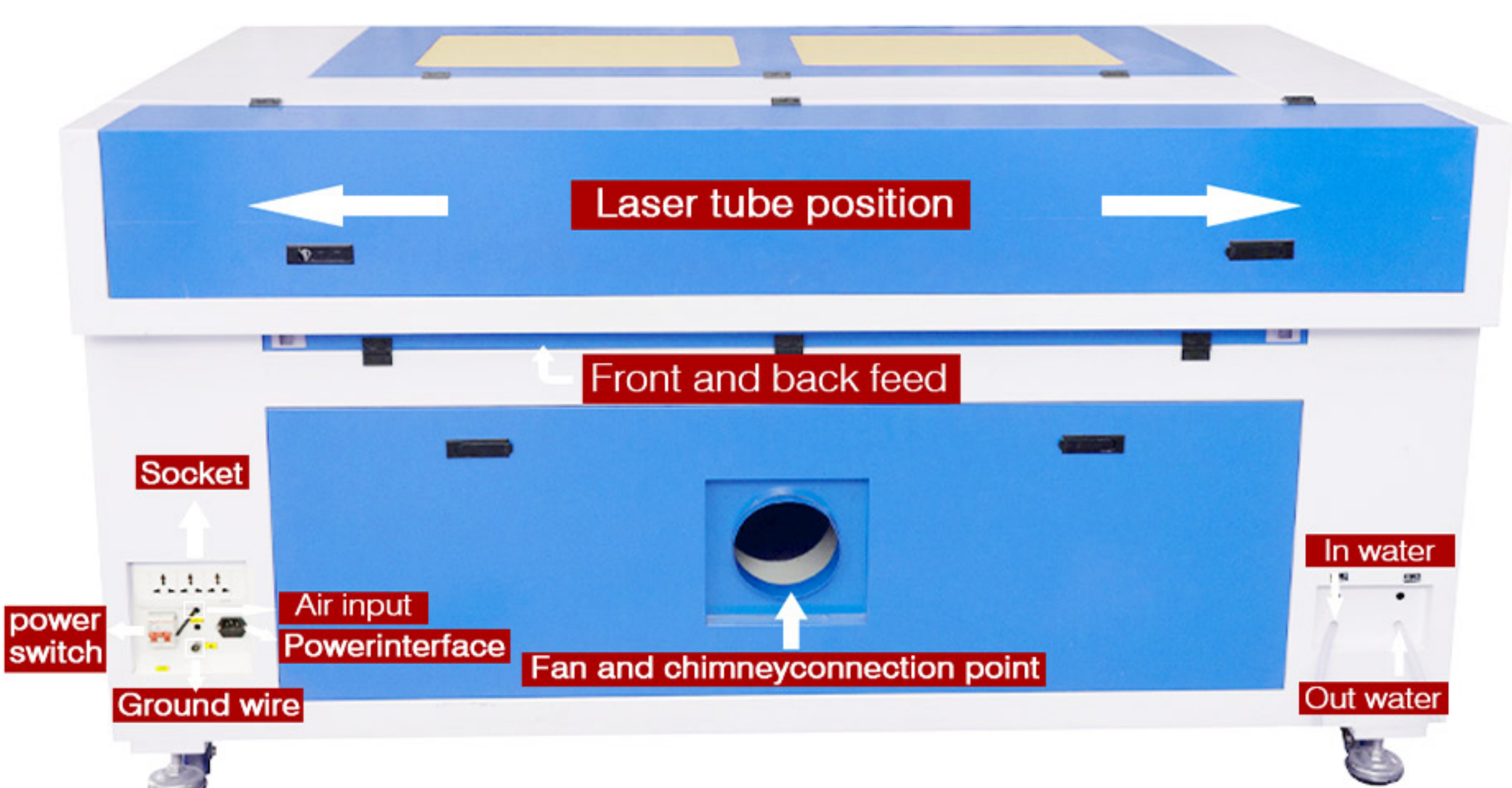
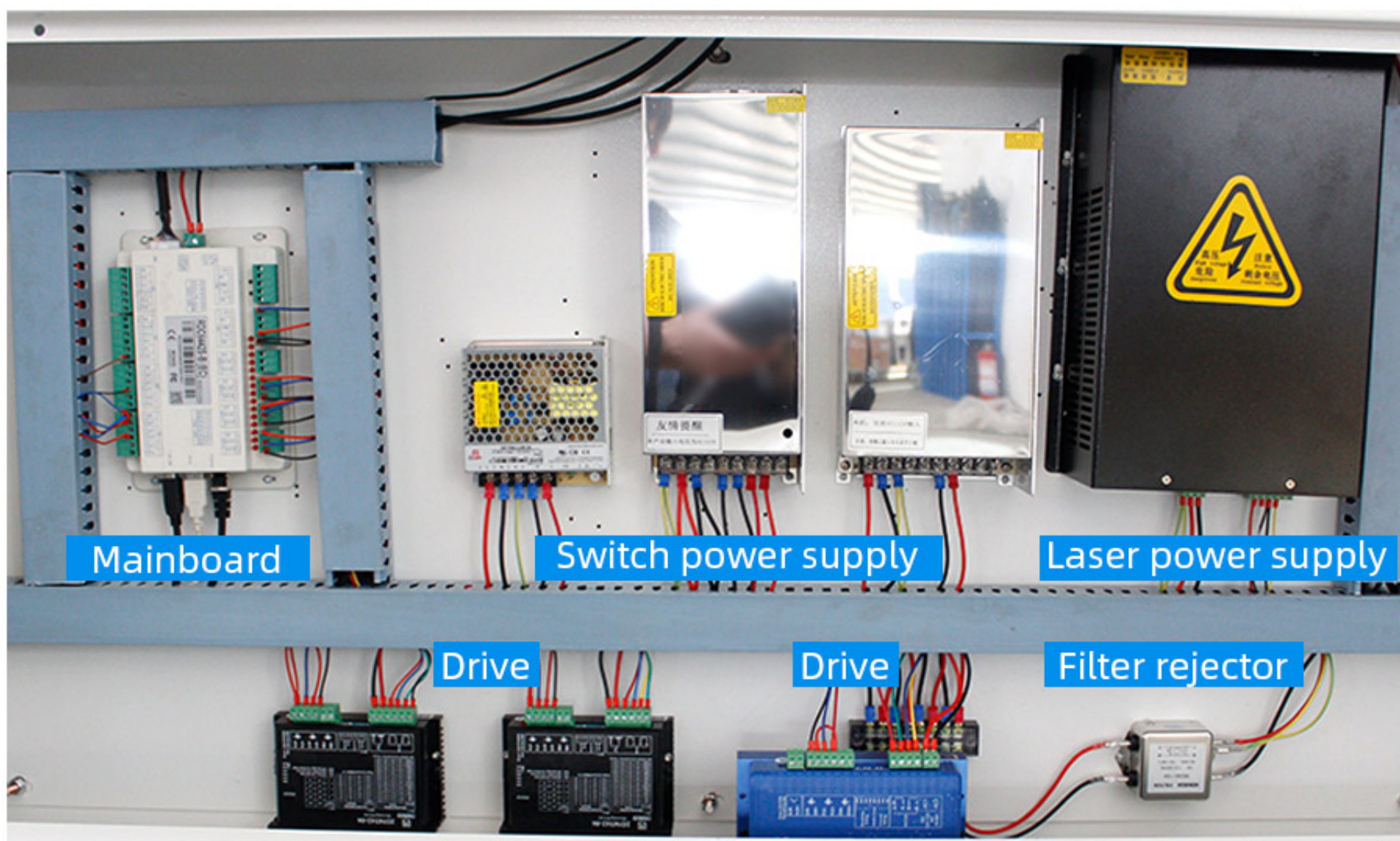
Maximum proportional processing material length.



12

POWER DISTRIBUTION BOX

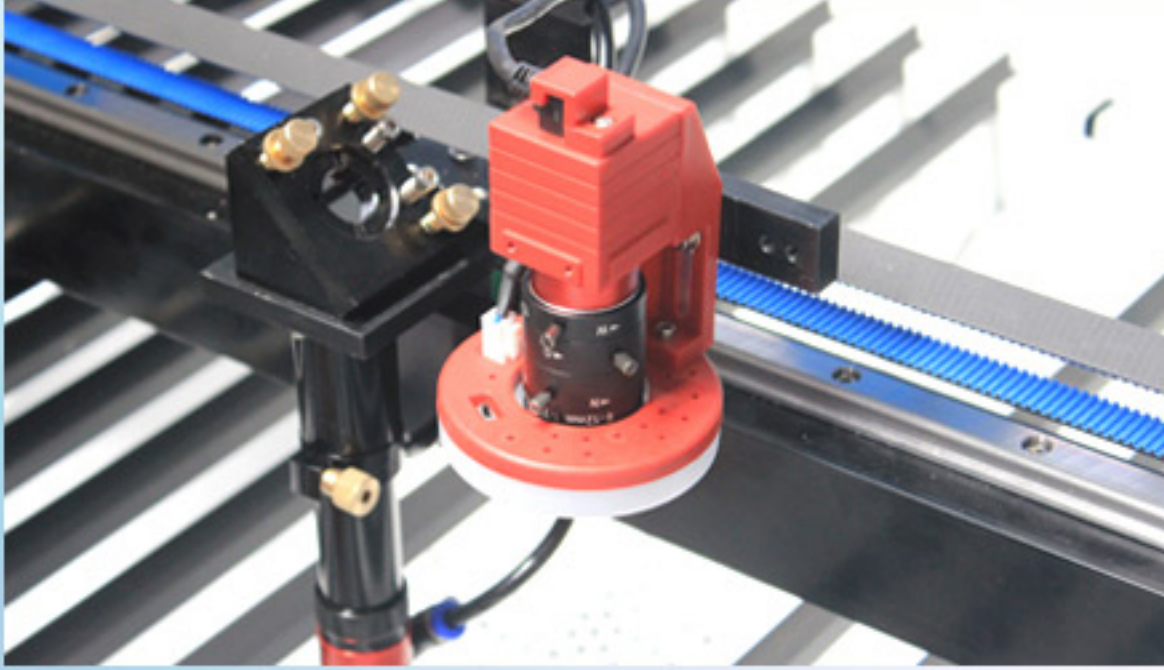
Take every detail seriously and ensure safety!



OPTIONAL UPGRADE MODEL >>

❶ CCD or Projector Positioning

For shoe factories and garment factories, increase work efficiency and save manpower. For example: 3D woven shoe



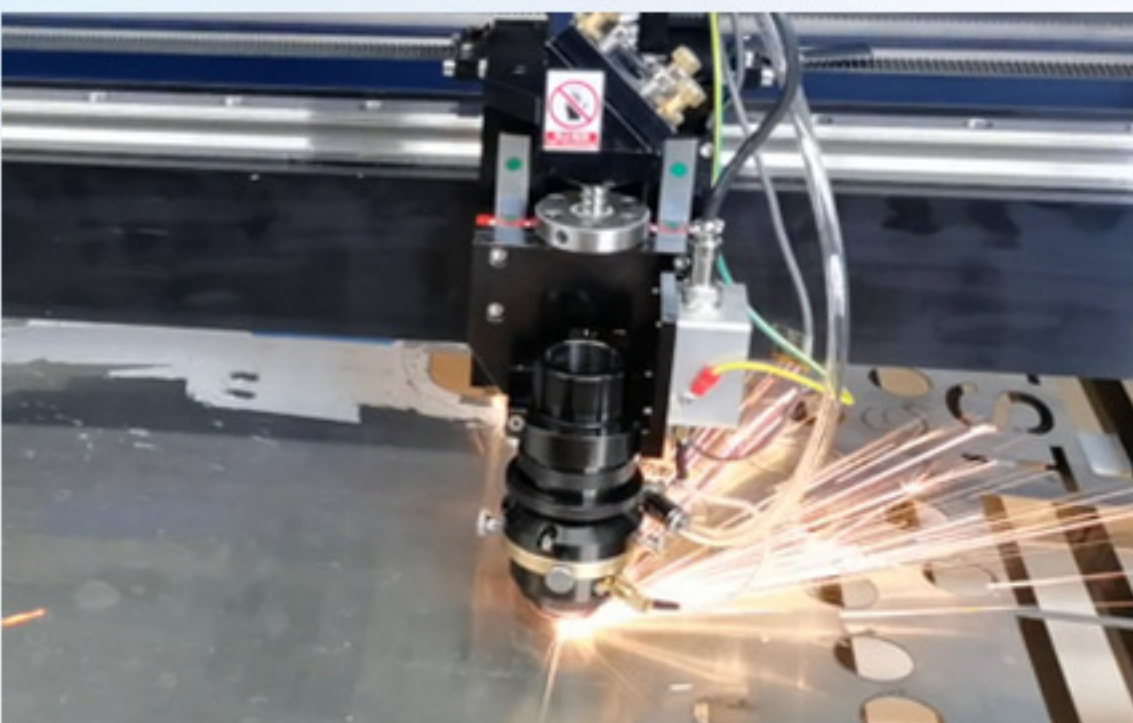
❷ TWO-PART SPLIT Optimized Size

Foster Laser Designing Team Keep working on optimizing shape and size of the machine. Aim to Save Cost For Customers.

EG:1390/1410/1610, Compare to standard model, if use three part model, Loading Ability of 40ft HQ, Full load +50%, Shipping Cost -50%.



❸ Upgrade to CO2 mixed cutting



Using oxygen assisted, 150w-300w CO2 laser tube can be to cut 0-3mm stainless steel plate.

Dynamic Auto-focus Metal Sheet Laser Cutting Head

❹ Smoke purifier

Extract smoke dust, smell, oil and clean the air to avoid pollute the environment.



PARAMETER

Model	FST-1610 laser cutting machine		
Engraving area	1600x1000mm		
Laserpower	60w/80w/100w/150w/180w/300w/600w		
LaserType	Sealed CO2 Glass Laser Tube		
Engraving speed	0~1500mm/s		
Cutting speed	0~400mm/s		
Resetting positioning accuracy	<0.05mm		
Cutting depth	0-20mm(Cutting depths depends on materials)		
Minimum Shaping Character	1x1mm		
Workng Voltage	220V/110V ±10% Single Phase		
Machine whole power	2500W		
Control system	Ruida(U disk, offline support)		
Software supported	LightBurn, CorelDraw,Photoshop,AutoCAD		
Graphic format supported	PLT,DXF,BMP,JPG,GIF,PGN,TIF		
Engraver for Curve surfaces (Yes/No)	Rotary Device Required (Options)		
Water Cooling(Yes/No)	Yes		
LaserTube (life hours)	8,000-10,000 hours		
Assistant Equipm ent	Water Chiller	Exhaust Fan	Air Pump

Our certificate

Foster Laser Technology Co., Ltd.



PRODUCT ACCESSORIES



S&A Water chiller



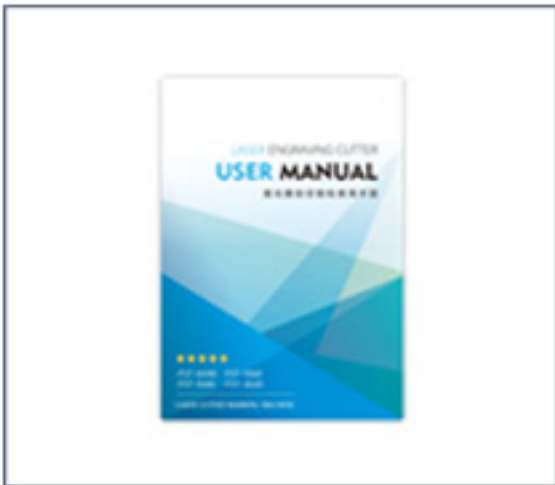
Exhaust fan



Air pump



Tool box



User manual



CD or U disk



Data Line + Power Cord



Focal length ruler

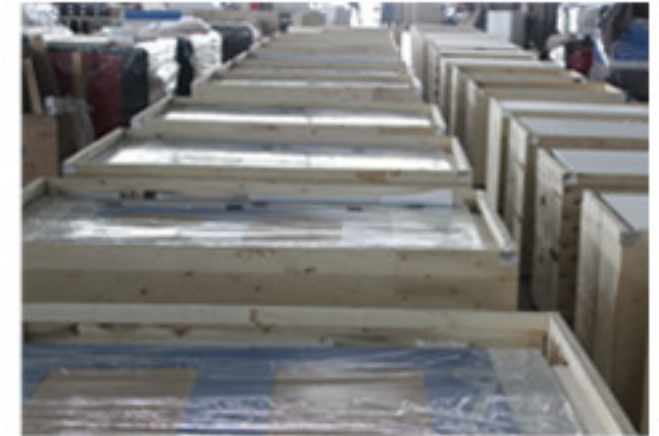
PACKAGING SHIPPING



Machine cleaning and
Protective oil processing



Wrapping with
protective film



Wooden box sealing



Container Sealing
and Transportation



container loading



Forklift moving goods