

FOSTERLASER

CO2 LASER CUTTING MACHINE WITH BALL SCREW

Ball screws transmission and strong machine frame

HIGH-PRECISION



MAIN FEATURES

HIGH-PRECISION

CO2 LASER CUTTING MACHINE
WITH BALL SCREW

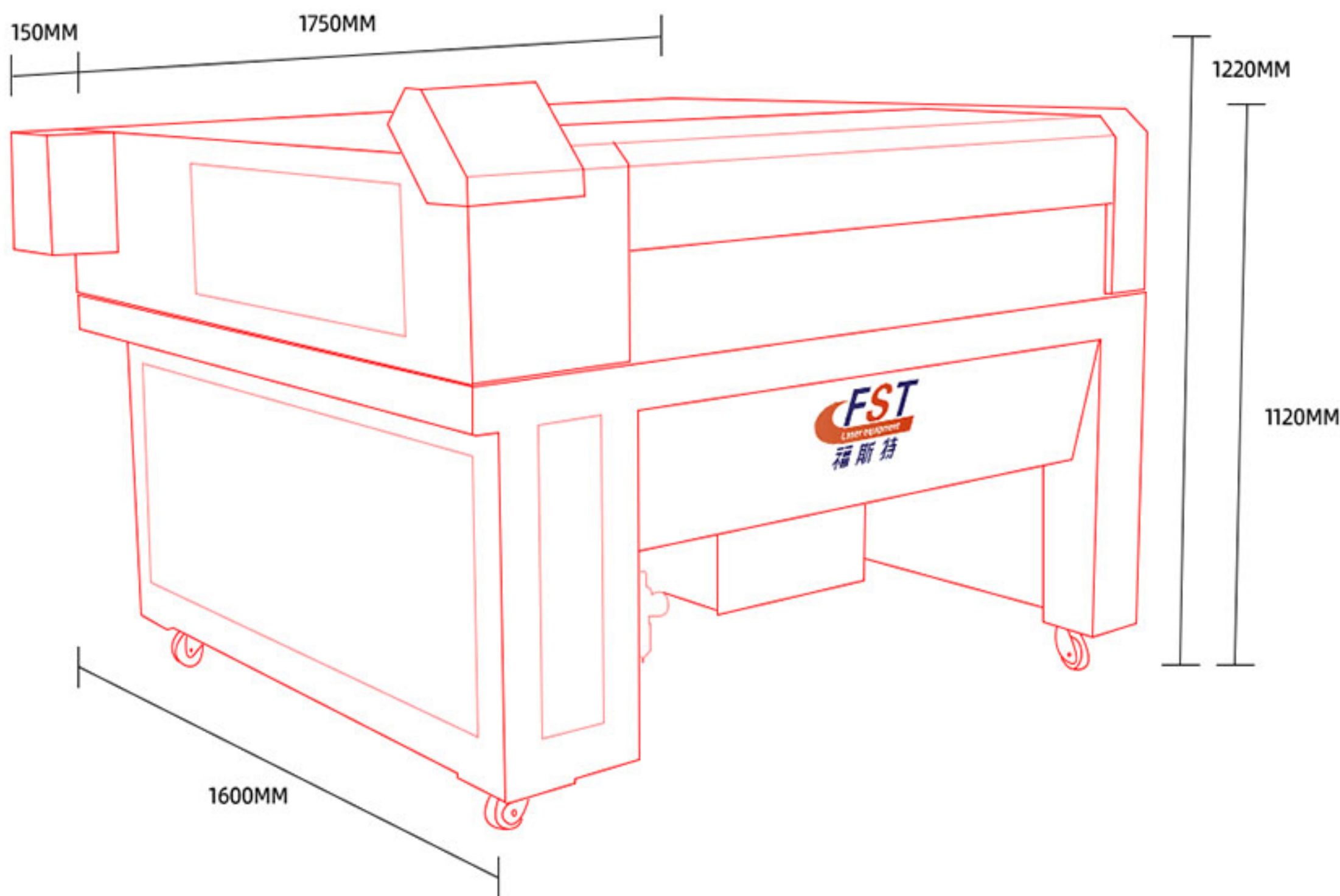
- ① High configuration, high precision, super stability
- ② Japanese Mitsubishi servo motors, drivers; Best precision.
- ③ High accuracy Taiwan TBI ball screw transmission & Taiwan TBI Linear guide promote smooth & precise laser movement.
- ④ Ball screws transmission---High transmission efficiency, Low friction loss, durable, long service life.
- ⑤ Strong machine frame---we adopt firm and strong machine frame, to make sure machine working with high performance.



TECHNICAL PARAMETER



Machine model		co2 laser cutting machine with ball screw
Laser power		150w/180w/220w/300w
Beam quality		M2 \leq 1.1
Table size		1250mm \times 900mm
Max load-bearing of platform		200KG
Max cutting thickness		Acrylic:25mm
Repetition accuracy		\pm 0.005
Length	X-axis	1250mm
	Y-axis	900mm
	Z-axis	30mm
Working voltage		110V/220V 50-60HZ
Machine size		1750mm \times 1600mm \times 1200mm (L \times W \times H)
Net weight		450kg



DETAILS



FUSELAGE_

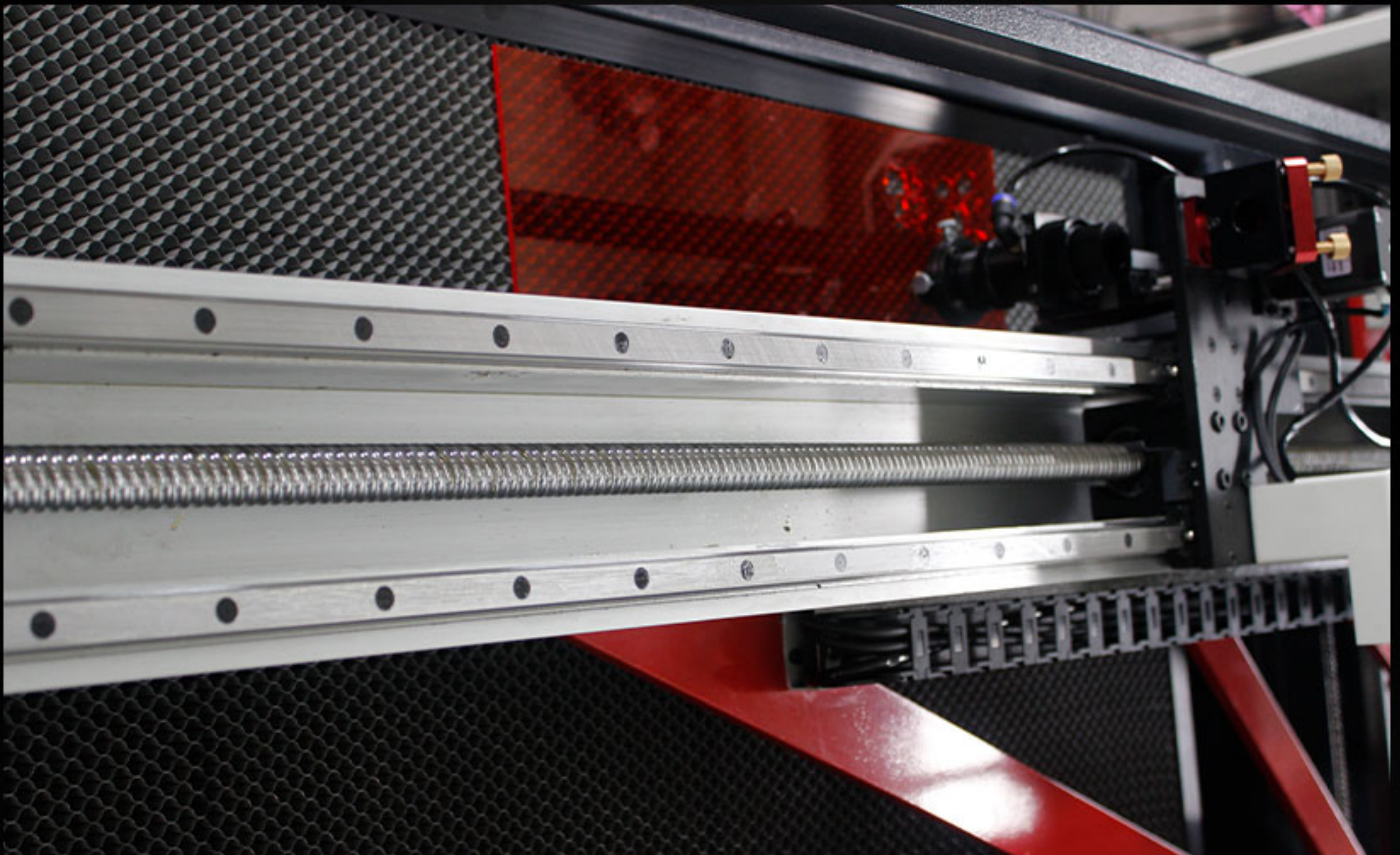
It is welded by square tubes and treated by vibration aging and natural aging.



X AXIS_

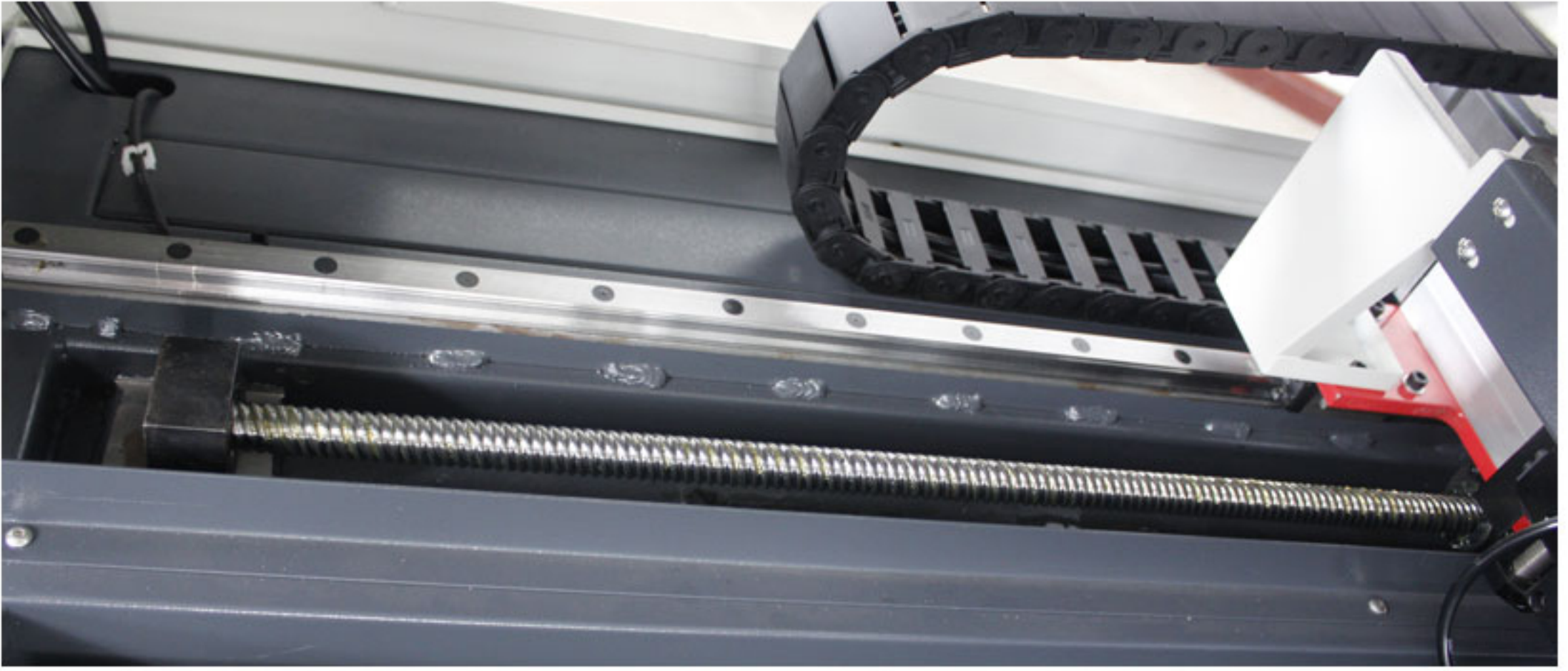
X-axis aluminum profile is high-strength aviation aluminum.

High strength, permanent non-deformation, finished by gantry milling.



Y AXIS_

Y-axis is finished by gantry milling.
Compared with common ordinary models (using aluminum profiles), it is more stable, firm and high-precision.



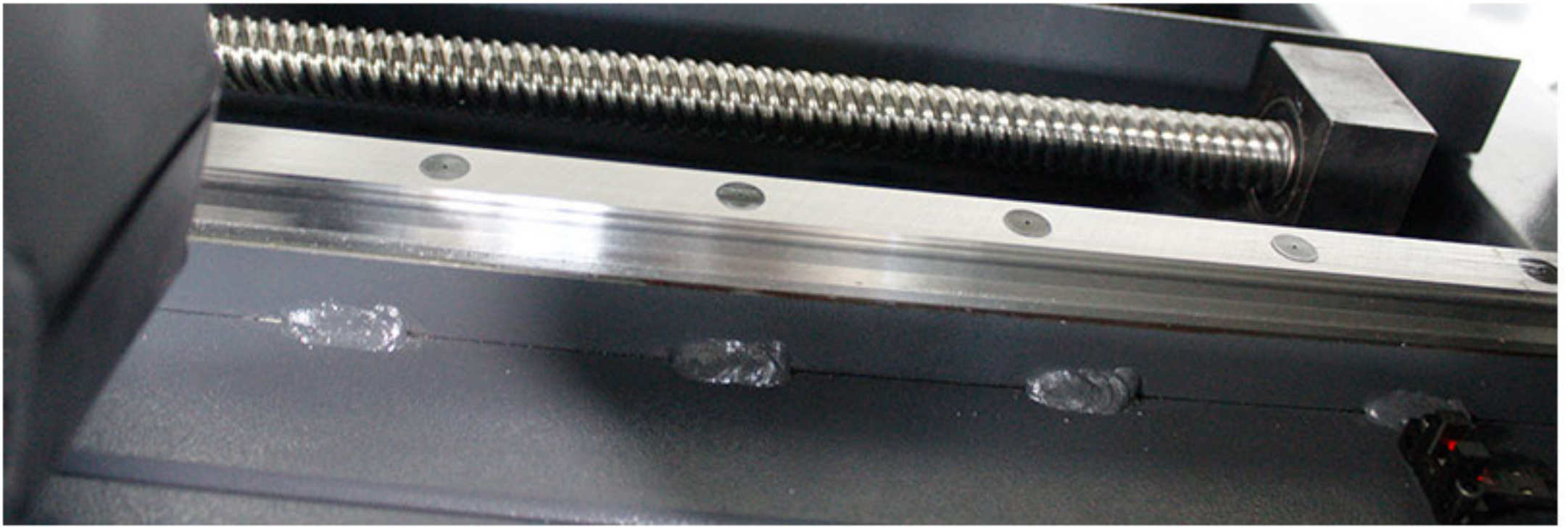
BALL SCREW_

Taiwan TBI ball screw, high precision, high speed, high stability



LINEAR GUIDE RAIL_

Taiwan TBI linear guide, high precision, high speed, high stability



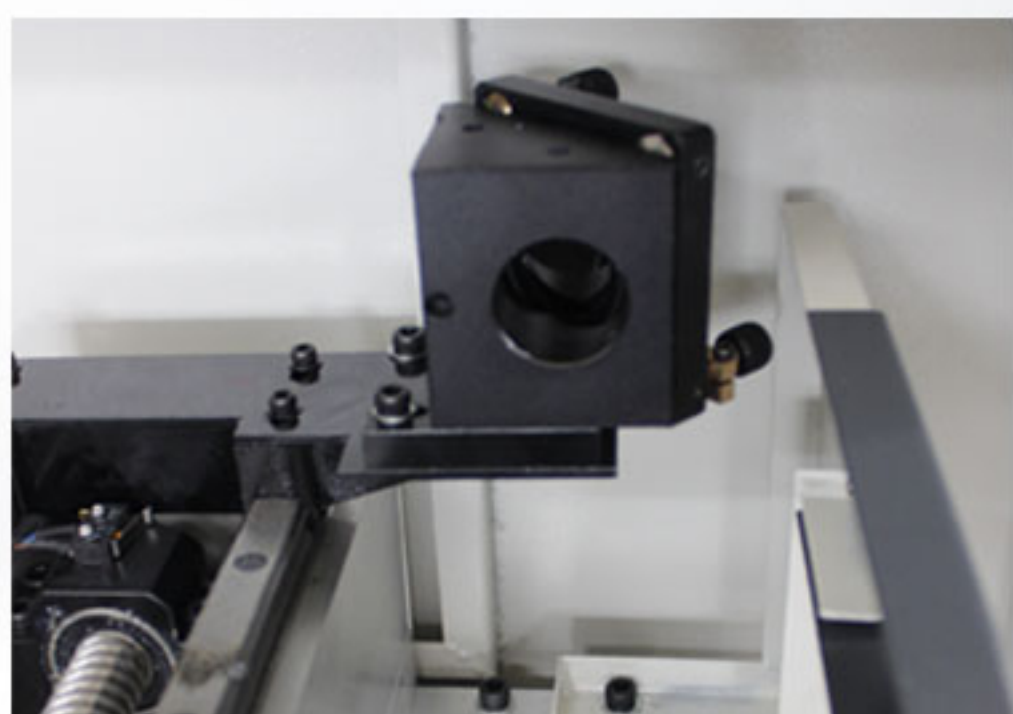
SERVER DRIVER_

MITSUBISHI JAPAN
(MR-JE-40A)_



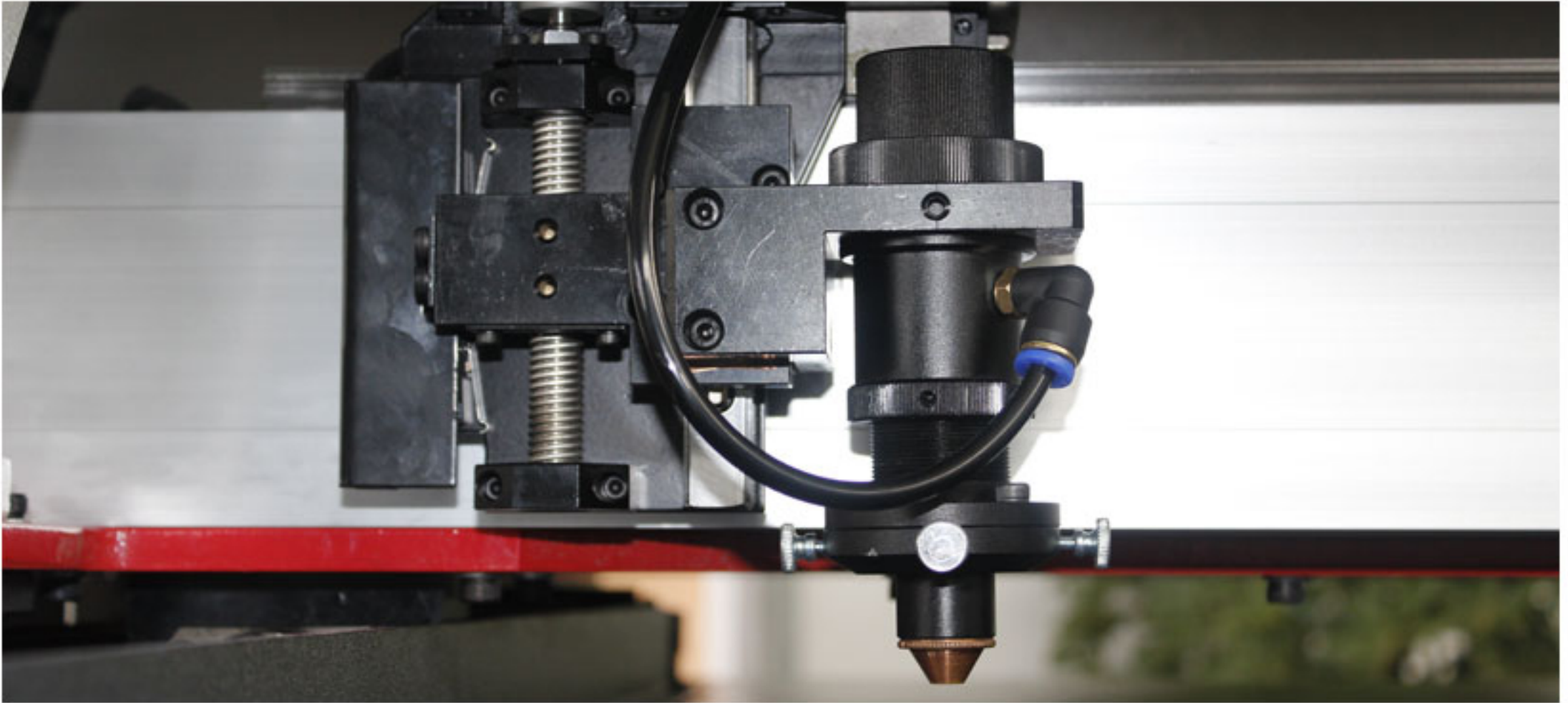
HIGH PRECISION MIRROR HOLDER_

High precision mirror holder.
Stable light path to ensure cutting quality and cutting speed.



HIGH PRECISION LASER HEAD_

Double focus laser head. No need to calibrate the light path and adjust the focal length, which is more convenient and quick.

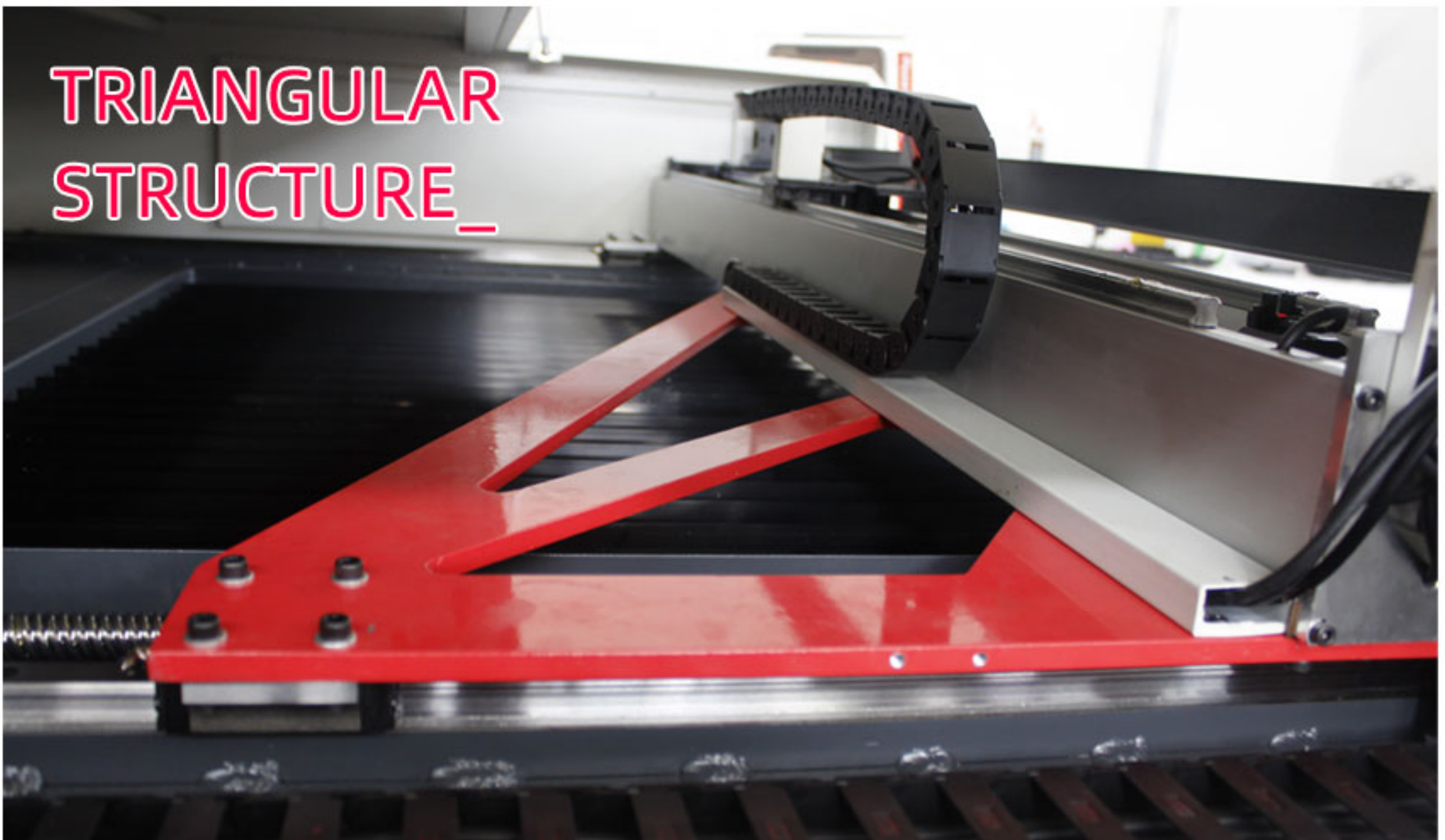


CONTROL SYSTEM RUIDA 6445_



Rdc6445g system is the latest generation of laser engraving / cutting control system developed by Ruida technology. The control system has better hardware stability, better anti-high voltage and anti-static characteristics. The man-machine operation system based on 5 inch color screen has more friendly operation interface and more powerful functions. The controller includes more perfect and excellent motion control function, large capacity file memory, more compatible two-way independently adjustable laser power control interface, more compatible U disk driver, multi-channel general / special IO control, communication with PC, support Ethernet communication and USB communication, automatic selection, etc. The controller can support fixed single / double laser head processing, double head mutual moving processing and super format cutting processing. Its extended model can also support mark point visual positioning cutting, large panoramic visual cutting, projection cutting, double asynchronous and other functions.

TRIANGULAR STRUCTURE_



HIGH PRECISION LASER TUBE_

Closed Co2 laser tube, long life, stable power. Installation of reinforcement settings, the lasertube is not easy to collide and cause damage when moving the machine. (EFR, RECI, CDWG, YONGLI, JOY. Optional)



WATER CHILLER_

Best in china, it is for cooling the laser tube after water fill in the pipe when machine is working.





EXHAUST FAN_

Removes smoke and dust caused during engraving and cutting.

SOFTWARE_

Coreldraw and CAD control directly Advanced working software which can be embedded into Coredraw and CAD, User can operate the machine buy Cor-edraw or CAD software directly.



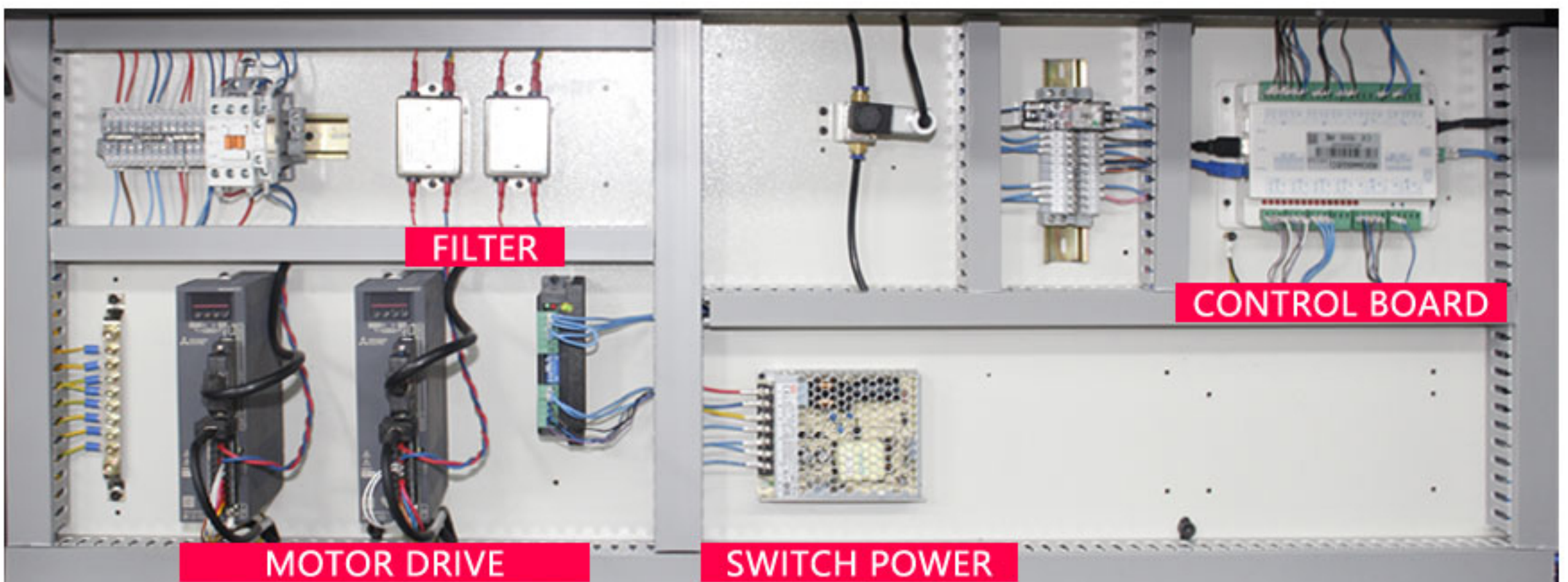
Coreldraw



CAD



OIL AND WATER FILTER_



Our certificate

Foster Laser Technology Co., Ltd.



PRODUCT ACCESSORIES



Tool protection



Data Line



CD or U disk



Exhaust fan



Chimney



Instruction Manual

Optional accessories



Simple rotary axis



Standard rotary axis



S&A Water chiller
CW-3000 / CW-5000

PRODUCT APPLICATION



applicable materials:

Acrylic, leather, wood, rubber, double-color board, MDF, plywood, bamboo, paper, cardboard, marble, granite, stone, glass, fabric, textile, coated metal, painted metal, anodised aluminum etc.



WOOD CUTTING



WOOD CARVING



PAPER CARVING



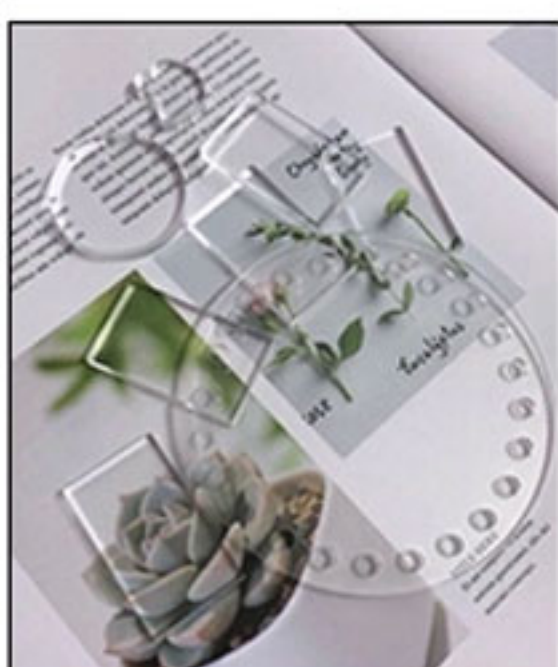
PAPER CUTTING



LEATHER CUTTING



LEATHER CARVING



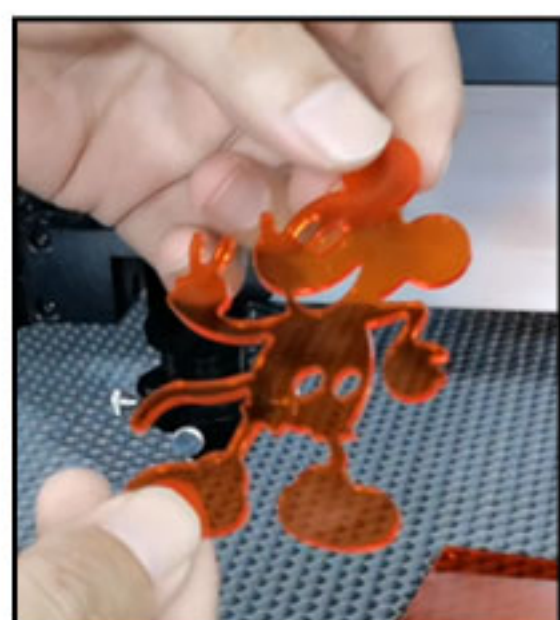
ACRYLIC CUTTING



ACRYLIC CUTTING

applicable industries:

Arts and crafts, advertising, decoration, wood working, leather manufacturing, packaging, printing, mould making, furniture, clothing and brand making etc.



PRODUCT APPLICATION

— — —



Machine cleaning and
Protective oil processing



Wrapping with
protective film



Wooden box sealing



Container Sealing
and Transportation



container loading



Forklift moving goods