

# Prezentacja plotera



# WHICH LASER CUTTER IS RIGHT FOR MY APPLICATION?

## LASER TECHNOLOGY FOR SIGNAGE AND DISPLAYS

Laser cutters in graphics finishing



Produce POS displays, neon signs, advertising signs and acrylic letters cost-effectively with a laser cutter. Create laser-cut signage for indoor and outdoor use. you can implement virtually any design on signage, whether it's filigree motifs or complex designs.

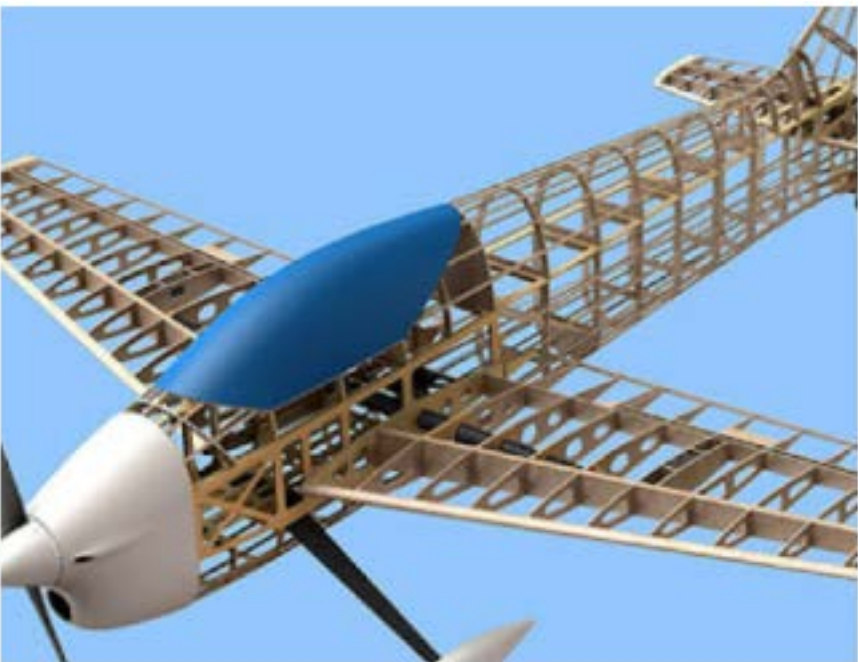






# ADVANCED MANUFACTURING TECHNOLOGY IN SCHOOLS, UNIVERSITIES AND FABLABS

## Laser cutters in education



Laser cutting offers many opportunities, especially to young people and students in the fields of engineering, product design, art, fashion and architecture. By using laser cutters, complex shapes and designs can be created, which enhances the students' creativity and technical skills.

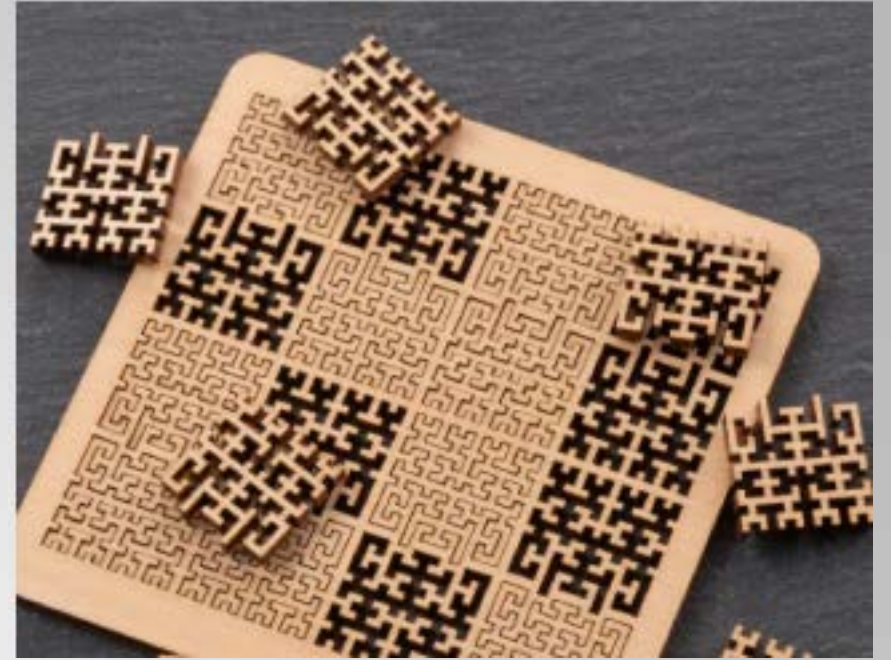


# REALIZE UNIQUE CUSTOMER WISHES AND INDIVIDUAL PRODUCTS

Laser cutter for personalization



Implement original ideas quickly and easily without any time-consuming cutting by hand. With a laser machine you can cut anything from wooden decorative items to paper cards and leather products. Personalization with a laser machine can increase the selling price by 5 to 10 times compared to a standard product.







# PRECISE CUTS IN THE TEXTILE INDUSTRY; UNIQUE CREATIONS IN THE FASHION INDUSTRY

Laser cutter for textiles



A laser cutting machine offers a precise and efficient way to cut materials such as linen, cotton, silk, leather and faux leather. The heat of the laser beam seals the edges of synthetic fabrics like polyester or fleece. This prevents fraying and eliminates the need for post-processing.

# The following materials can be cut with a CO2 laser

	Cut	Engrave	Mark
Acrylic	✓	✓	—
Glass	—	✓	—
Plastic sheets	✓	✓	—
Leather	✓	✓	—
Metal*	—	—	—
Paper	✓	✓	—
Plastics	✓	✓	—
Stone	—	✓	—
Textiles	✓	✓	—
Wood	✓	✓	—

\*Metal foils can be cut up to a thickness of 0.5 mm, but individual tests are recommended.



# ADVANTAGES OF RUBY COMPARED TO OTHER MACHINES

## OTHERS



Dusty



Single work table

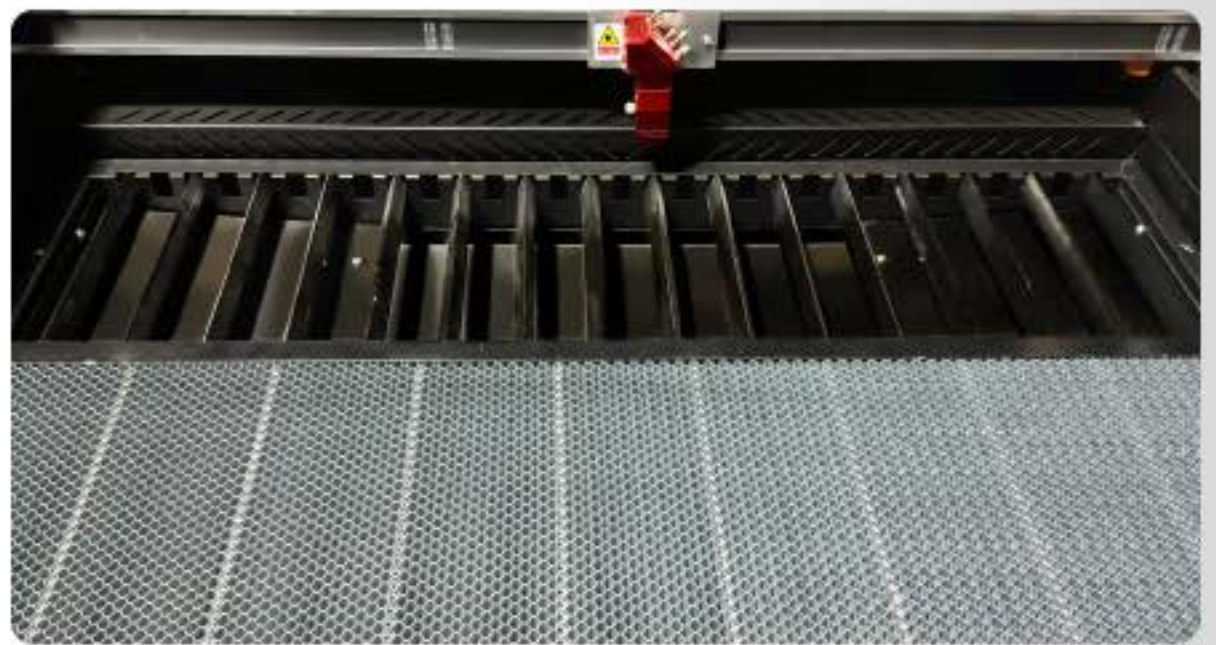


Equipments external

## Artemis RB 1390



Fully enclosed dust-proof guide rail

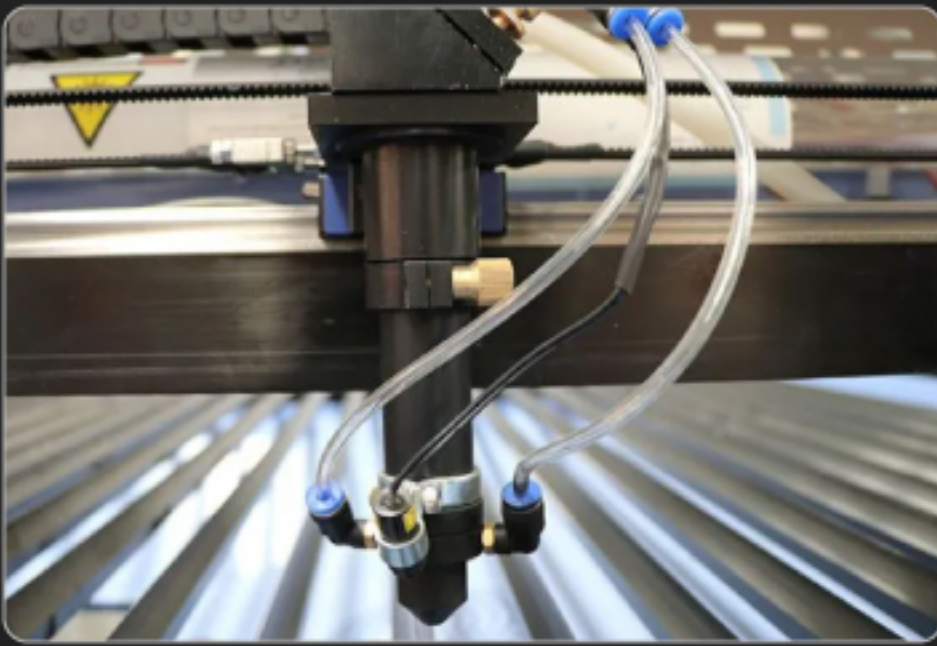


Multi-functional work table

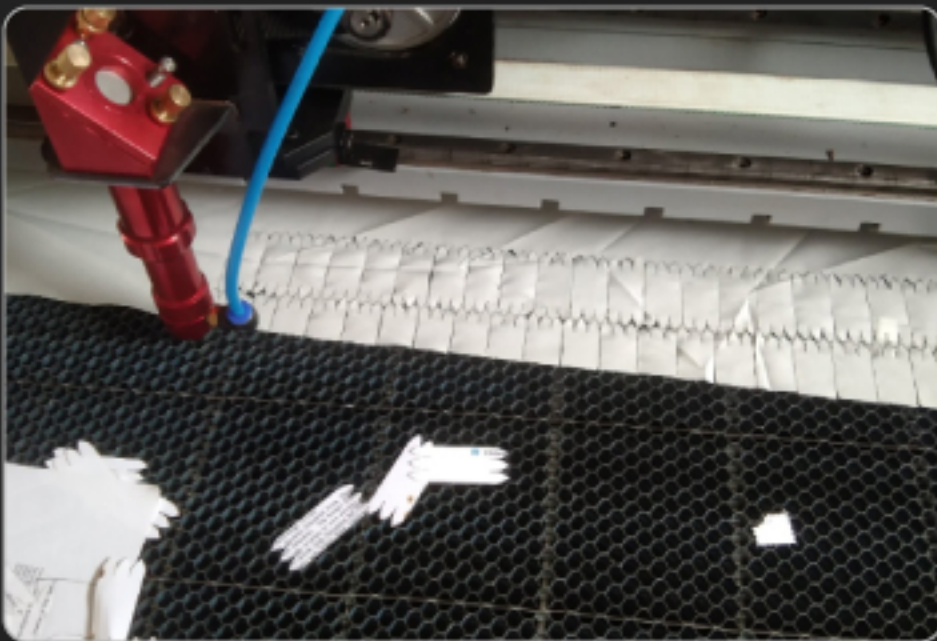


All in one design





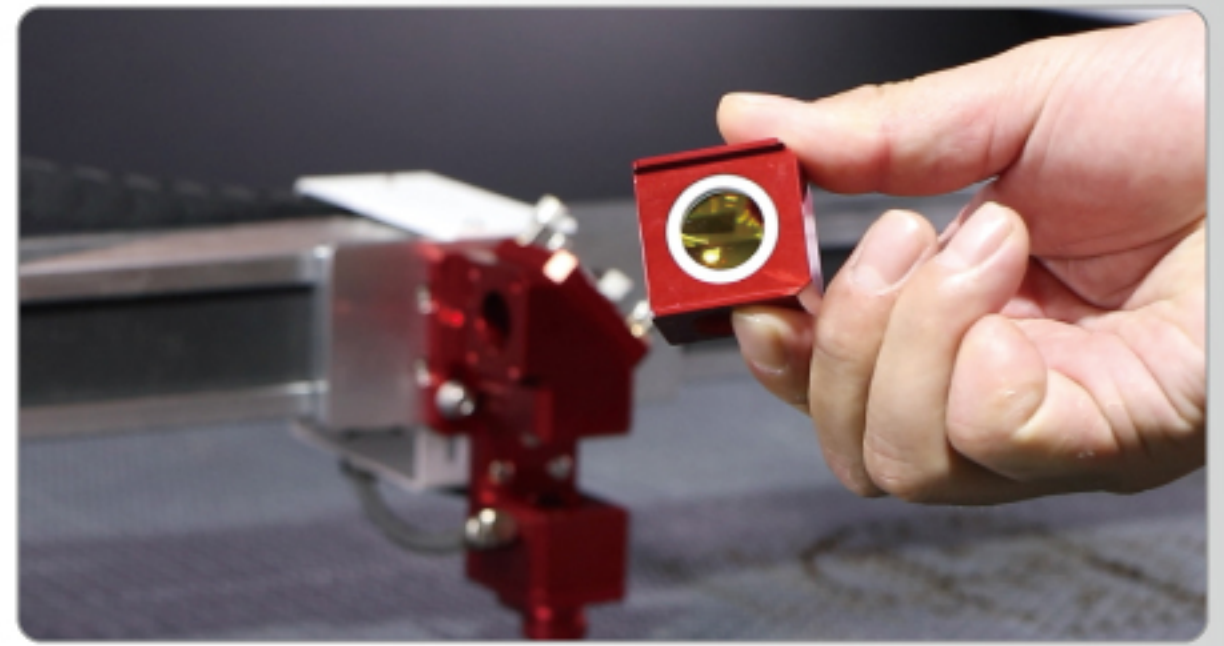
Lenses are difficult to replace



The cover needs to be opened when the laser is working, which is dangerous



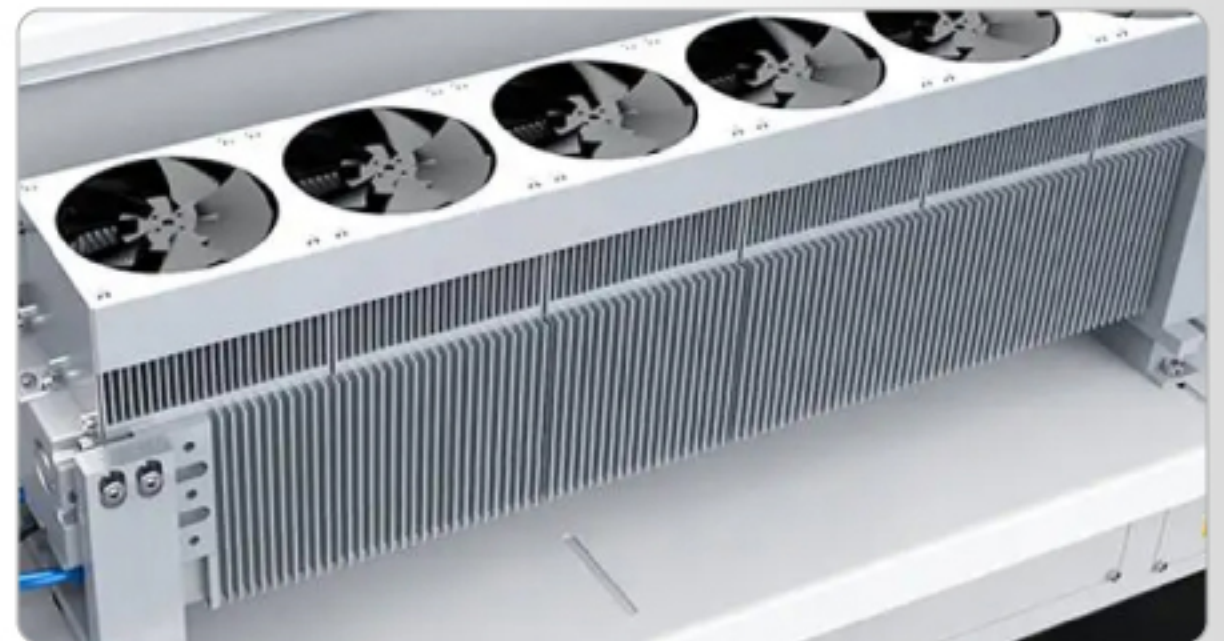
only glass tube



Magnetic design



Close the cover and the laser will work normally; open the cover and the laser will stop working; which is safety



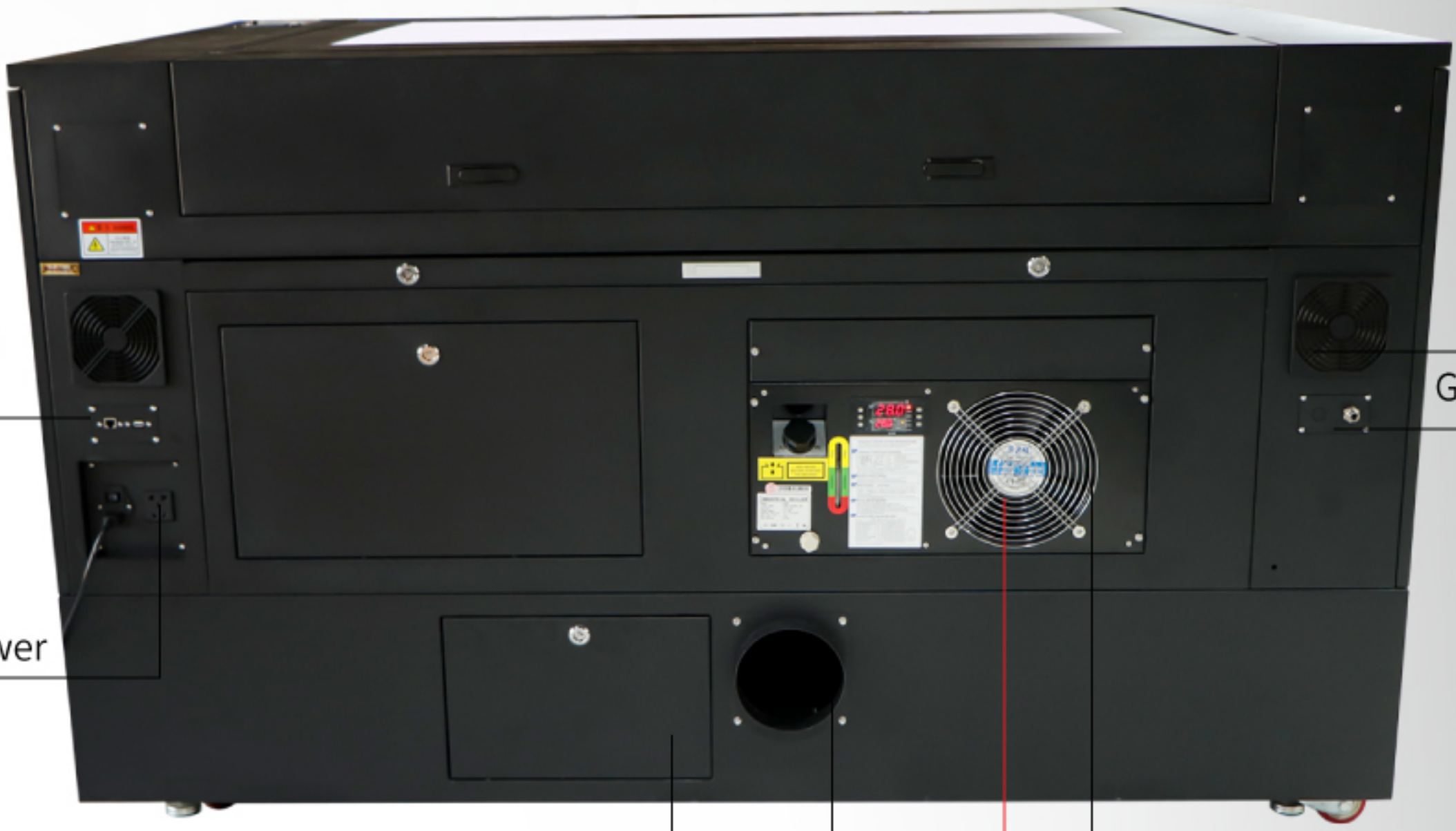
Glass tube/RF metal tube



# PRODUCT PARAMETERS





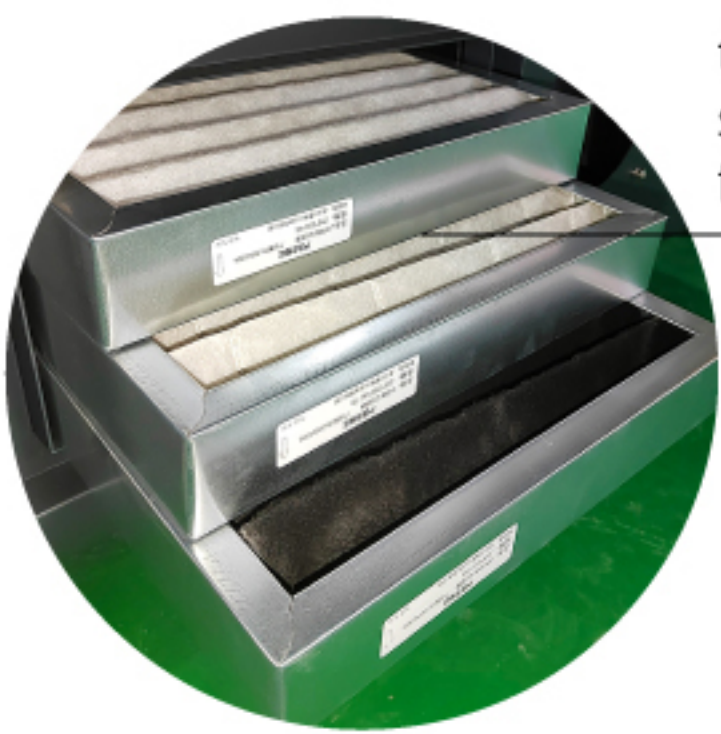


Ethernet  
PC-USB

Heat  
dissipation  
port

Gas source

Host power

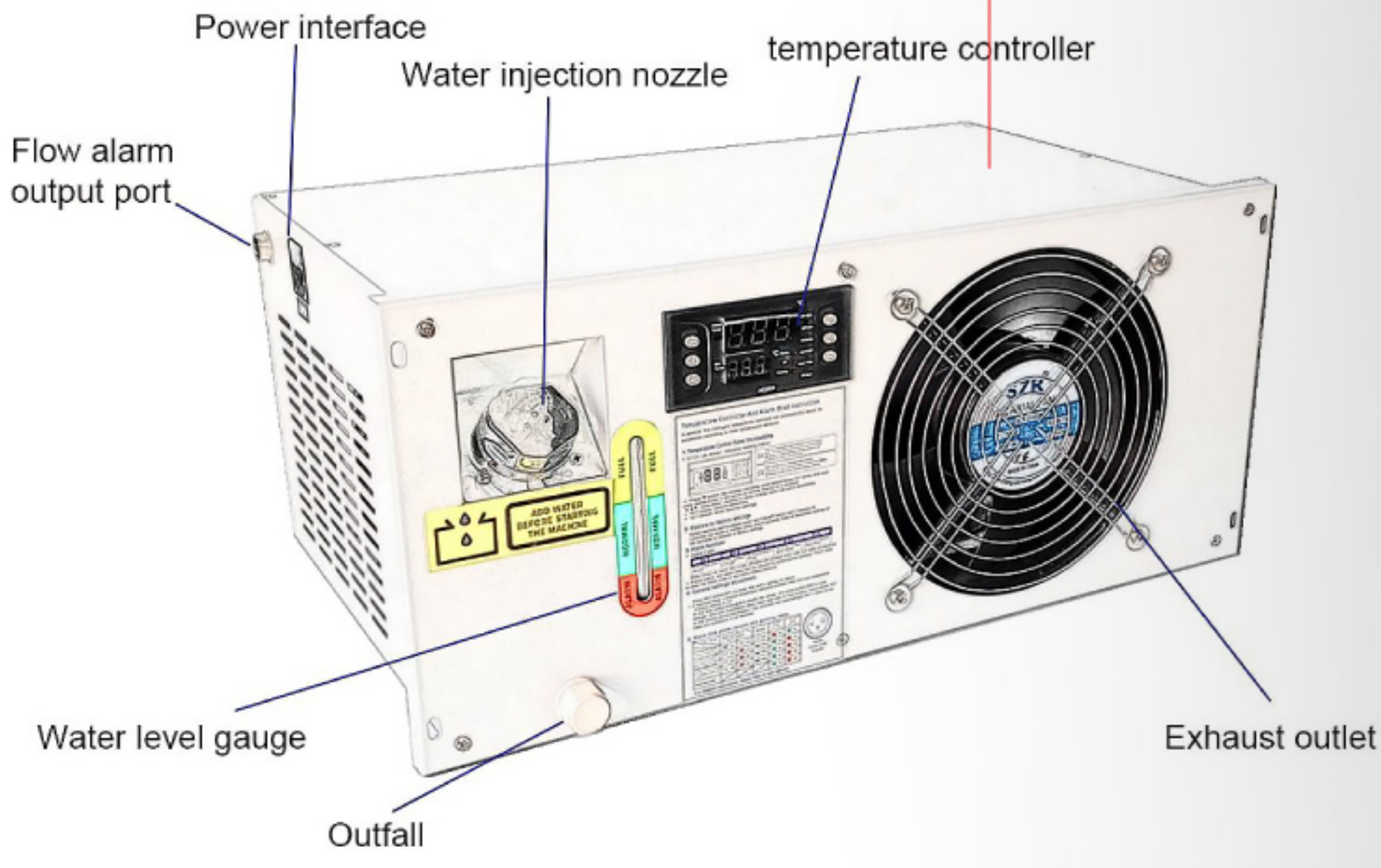


three layers  
smoke  
filtration



Exhaust Port

Built-in Water Chiller



Power interface

Water injection nozzle

temperature controller

Flow alarm  
output port

Water level gauge

Outfall

Exhaust outlet



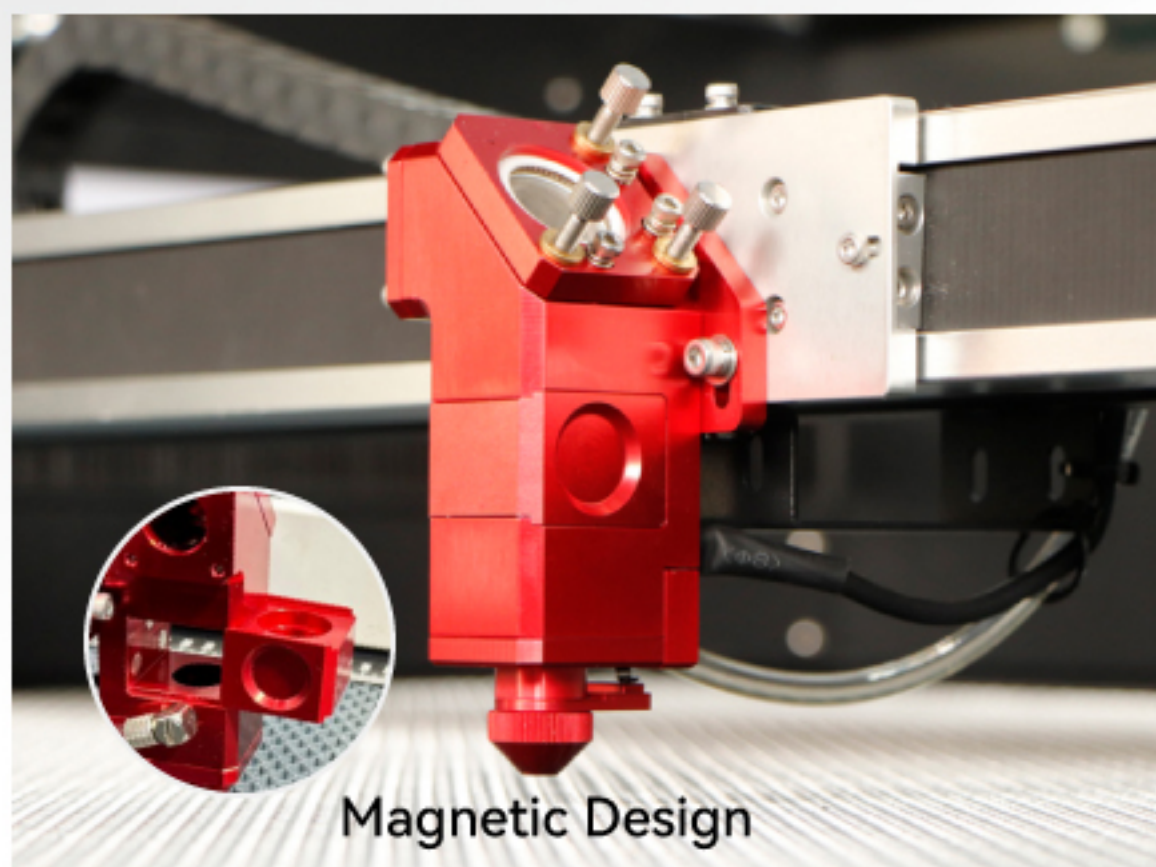
Equipment size (l * w *h)	1800x1350x1100
Package size	2000x1500x1300
<b>Minimum through door width</b>	1400mm
Table size	1320x920mm
Effective cutting format	1300x900mm
Maximum cutting size	Width 1300mm, unlimited length (support back wear)
Z-axis lifting format	200mm
Equipment weight	350kg
Max. object weight	15Kg
Laser type	Glass tube 130w-150w / RF metal tube 30w 60w
Laser power	130w~150W
Laser wavelength	10.6μm
Laser power adjustment range	1-100%
Optical components	Mirror, focus Lens
Focal length	50.8mm/63.5mm(optional)
Power supply	AC220V50Hz
Rated power	2.2Kw
Security configuration	Key switch, emergency stop button, open cover protection
Positioning accuracy	0.02mm
Maximum engraving speed	1200mm/s   2000mm/s <b>(Optional hybrid servo)</b>
acceleration	1G
Maximum cutting speed	600mm/s
Noise level	≤ 70
Type of work platform	Honeycomb panel/knife bar/ <b>aluminum platform (optional)</b>
Automatic focus finding	Laser head coaxial automatic focus finding
Red light positioning	support
Compatible Software	Lightburn, RDWorks
Support file format	DSP/PLT/BMP/DXF/AI
Cooling device	Built-in chiller
Soot purification	Built-in soot purifier, three-stage filtration
Adsorption fan	600W turbine fan
Exhaust air volume	1800m <sup>2</sup> /h
Air source	External compressed air (0.6MPa)/ <b>built-in air pump (optional)</b>
lighting	LCD(3PCS)
Other configurations	Built-in push-pull toolbox

**\* Rotating engraving, Built-in WIFI support optional.**



# MACHINE CORE FUNCTIONS

With Auto-Focus & Air-Assist



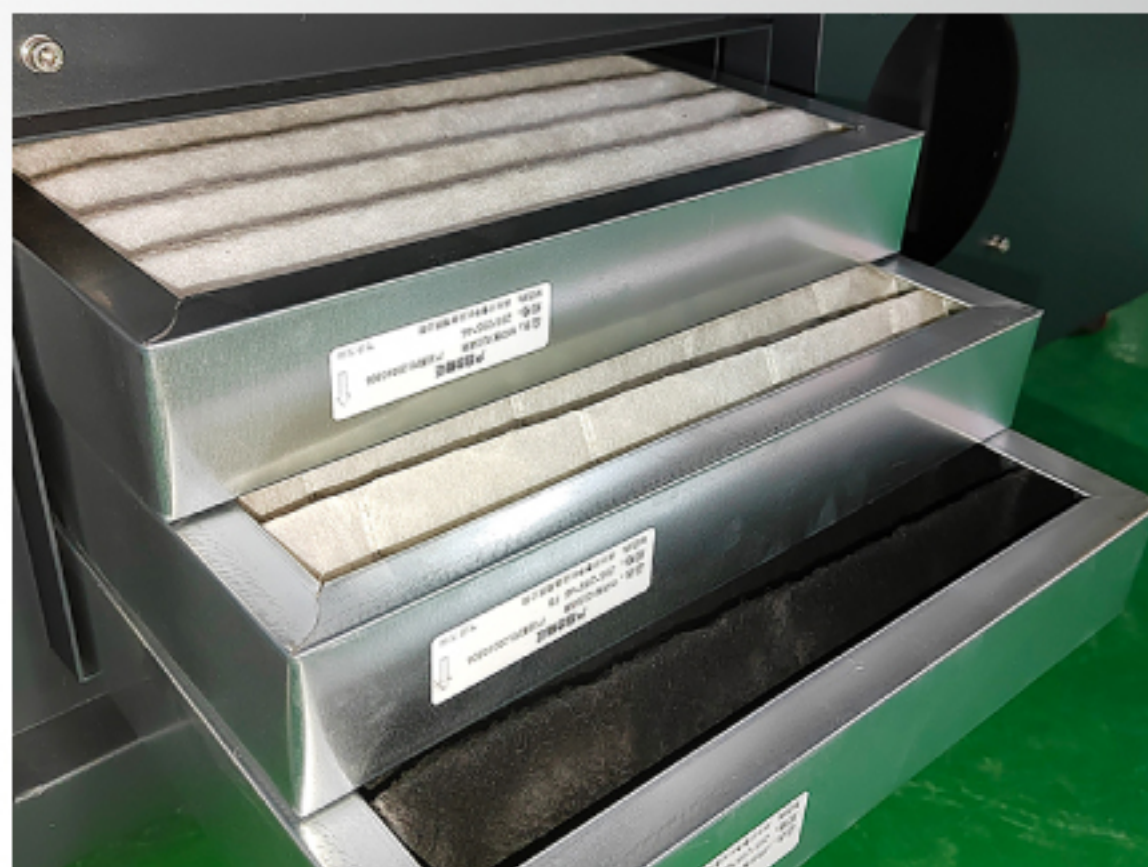
Two-way Pass through



Intelligent Ruida Control Panel



Three layers smoke filtration



CCD vision



Rotation axis(Optional)

