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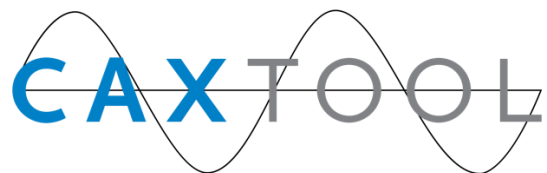
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cégjegyzékszám: 06-09-014002
info:

Képgyűjtemény

Fiber lézervágó berendezés

CAXTC_LM_3015_1kW_R_1.1 fiber lézervágó berendezés / Fiber cutting machine





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- **Machine Application**

Widely used in sheetmetal processing, aviation, aerospace, electronics, electrical appliances, automobile, food machinery, textile machinery, engineering machinery, precision parts, ships, metallurgy equipment, elevators, household appliances, craft gifts, tool processing, decoration, advertising, and other fields. Professional used to cut sheet metal like carbon/mildsteel, stainless steel, aluminum alloy, galvanized sheet, electrolytic plate, titanium alloy, aluminum zinc plate, etc.



- **Raycus Brand Fiber Laser(1000W)**

1. Raycus Brand Fiber Laser(500W, 750W, 1000W, 1500W)

Fiber LaserSource Model	RaycusRFL-C500	RaycusRFL-C750	RaycusRFL-C1000	RaycusRFL-C1500
AverageOutput Power	500W	750W	1000W	1500W
Central Wavelength		1080±5nm		
Operation Mode		CW/Modulate		
Max. Modulation Frequency	20 kHz		5kHz	
Output Power Stability		<3%		
Red Light		Yes		
Terminal Type		QBH		
Beam Quality	1.1M ₂	1.3M ₂		2.1-2.7M ₂
Polarization State		Random		
Delivery Cable Length	15 m		20m	
Power Supply (VAC@50Hz/60Hz)	220-240Vsingle-phase	340-420V three-phase five wireconnect		340-420V three-phase four wire connect
Control Mode		RS232/AD/Super terminal		RS232/AD
Power Range		10-100%		
Power Consumption	2000W	3000W	4000W	6000W
Cooling			Water cooling	
Operating Temperature			10-40 °C	



- Excellent quality of laser beam, constant BP within all the ranges of laser powers, getting very small size laser spot even with longfocus.
- Special wavelength (1080nm), unique ability to cut high-reflective materials, such as aluminum, copper and brass, etc.



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- Electro-optical conversion rate of the laser >25%, much more efficient than that of CO2 laser (<10%), greatly reducing power consumption.
- Laser transmission through fiber, no transmission loss.
- Modular design, "plug and play", mini size, easy installation, no maintenance of laser and beam transmission system.
- Pumping source service life > 100,000
- Precise quality of laser beam with pretty small divergence angle.

- **Laser Cutting Head RayTools BT240S**

RayTools BT240S laser cutting head. The laser head stably and rapidly adjust the laser head height during cutting, which ensures it cutting with the same and the best focal length all the time even if the metal sheet is not flat.

A variety of nozzle designs are available to match with different focal length lenses. The cutting head focal length adjustment precision is 0.01mm. Laser is invisible, there is red dot showing laser spot position on material.



- **Cooling SystemS&A CWFL-1000**

S&A brand CWFL-1000 water chiller is specially applied to cool the fiber laser and optic lenses at the same time, multiple use for saving cost, space and manual move, quite convenient for the user.

S&A industrial water chiller has 2 temperature control modes as constant temperature and intelligent temperature control. Under intelligent mode, the water temperature is adjusted according to ambient temperature. You do not need to worry about the water temperature adjustment of seasonal changes.



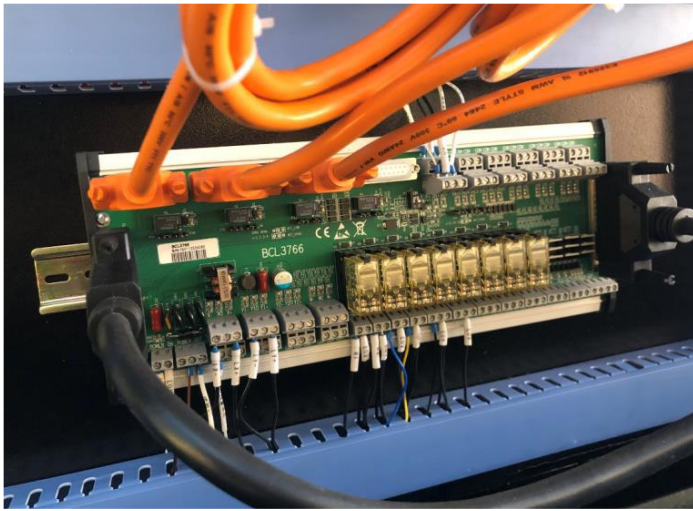
- **CNC Control System FSCUT2000C and Software CypCut**





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FSCUT2000C laser cutting control system and its **CypCut** software integrates file reading, design, output, and processing control. It's able to complete the entire process from design to processing. The software, installed in an industrial computer, provides a wealth of laser cutting processing parameters, flexible layout and cutting path editing capabilities. CypCut Control system and software in English language, supporting files: DXF, PLT, AI, LXD, etc. Drawing in the software is possible. Software is with fly cutting mode for cutting same products to save time. The nesting function automatically arranges graphs to leave minimum spaces and save materials.



Az alkalmazott servo motorok Schneider servo motors and drivers. X, Y1, Y2: Schneider 1000W. Z: Schneider 400W. Motor reducer is SHIMPO.

- **Auto Lubrication**



It automatically lubricates guide rails, which ensures the machine keep moving smoothly and with good precision.

- **Exhaust System**



A 2.2Kw centrifugal exhaust fan strongly removes the fumes and dusts caused during cutting.

- **Gas Assist Valves (Solenoid Valve, SMC Proportional Valve)**





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Gas assists cutting either in cutting speed, cutting thickness or cutting effect.

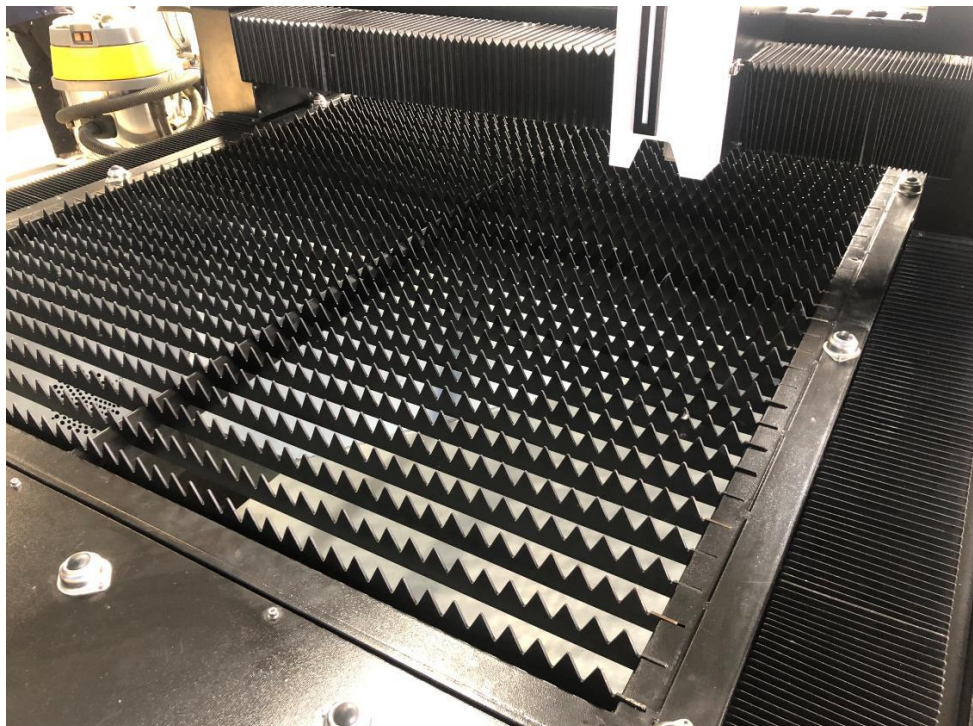
For example, oxygen helps to cut faster and thicker; nitrogen helps to get brighter cutting edge.

The solenoid valve controls the gas blowing. Gas blows only during cutting, which saves your gas cost. SMC proportional valve controls the gas pressure and brings good cutting all the time, for example, gas pressure is lowered when cutting corners.

- **Machine Body**



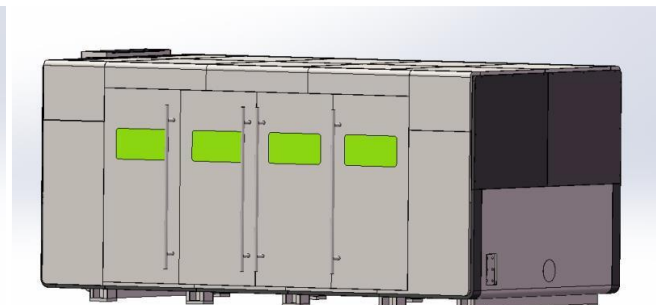
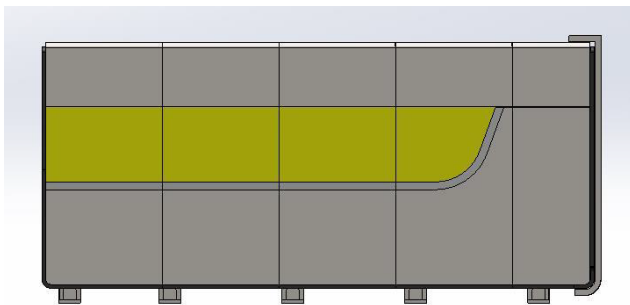
- **Machine Table**



Saw-shape machine table holds metal sheet steady with little touch with metal sheet. The saws are thick and durable. Machine table size is 1500mm by3000mm.

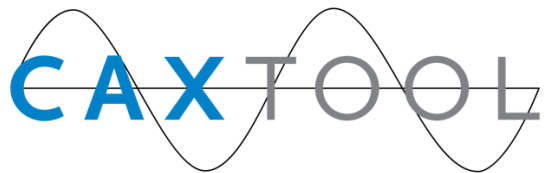
- **Full cover with CE security glass**

In front door, the glass is CE security glass. Machine left and right side, they are normal glasses.



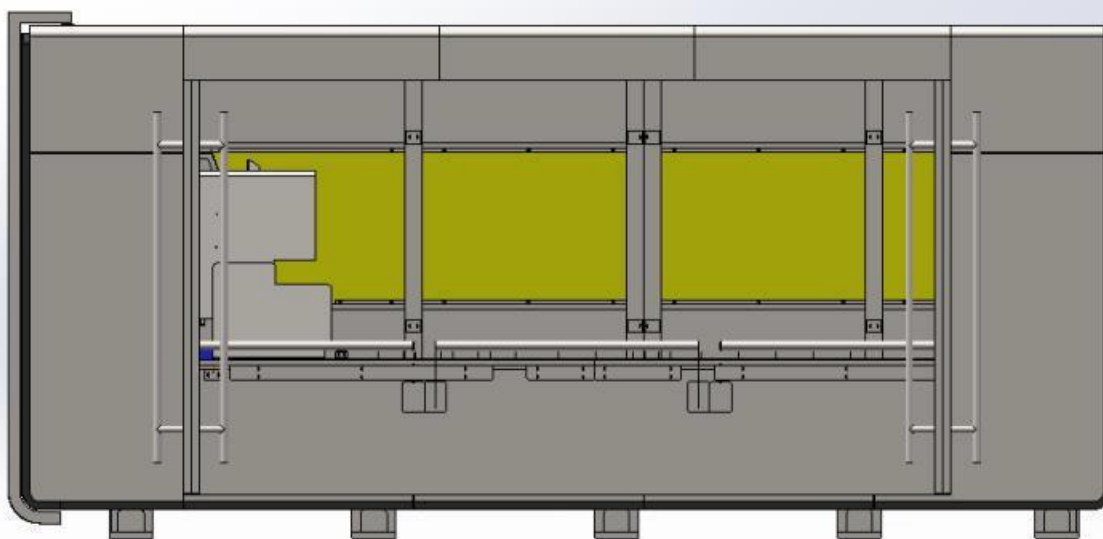
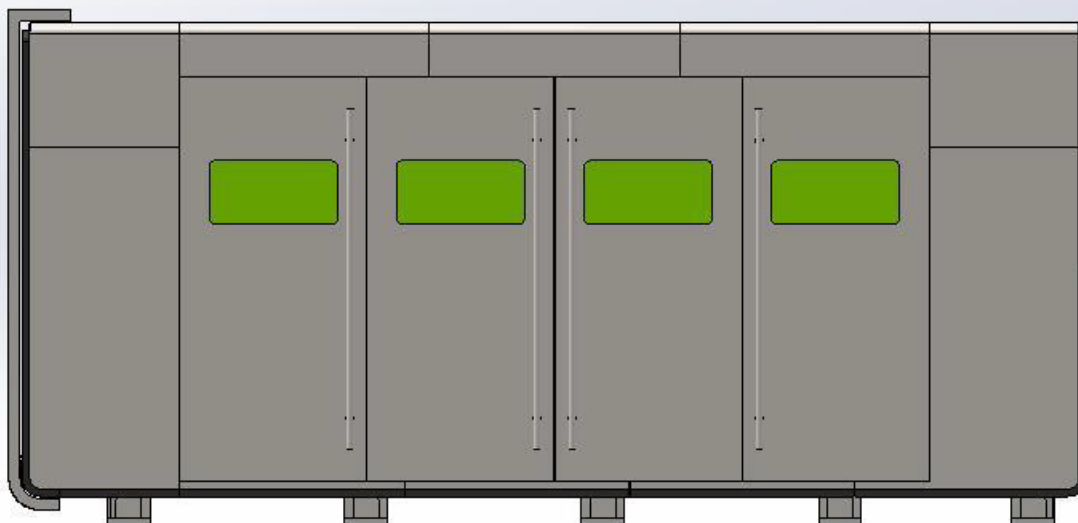
- **Material Loading System**

The machine has folding doors at right side, through which you can load the metal sheets to the machine table. For easier loading of metal sheet, we build themachine with nylon shaft besides the machine table. The shaft is higher than the machine table and Y-axis movement structure, so the metal sheet won't be blocked. Nylon shaft (instead of metal shaft) will not scratch the metal sheet.



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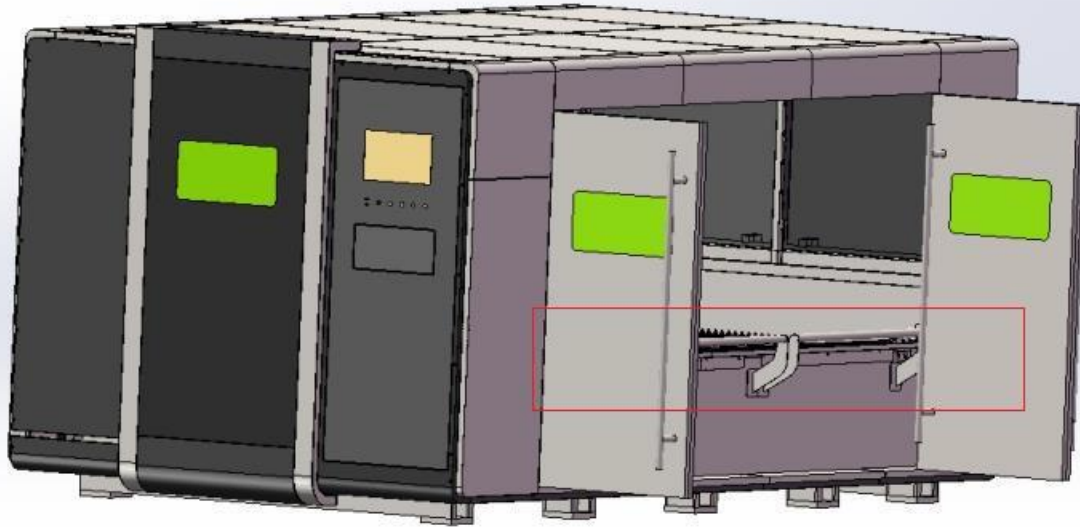
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Nylon shaft assisting metal sheet loading

- Safety goggles

