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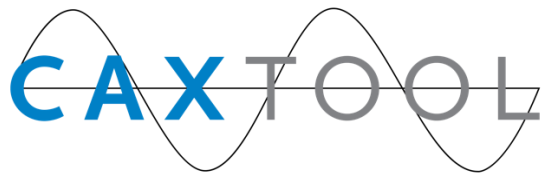
Adószám: 12871856-2-06
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Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HUG5 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:

Képgyűjtemény

Fiber lézervágó berendezés

CAXTC_LM_3015_1kW_N_1.0 fiber lézervágó berendezés / Fiber cutting machine

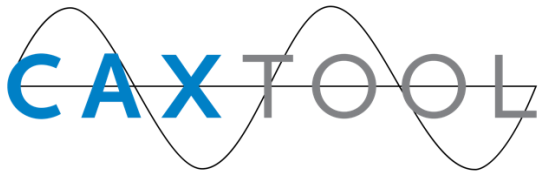




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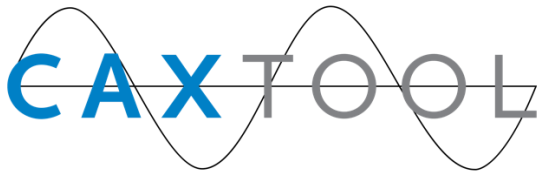
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- **Machine Application**

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.





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

Fiber Laser Source Model	nLight CFL-1000
AverageOutput Power	1000W
Power Tunability	5 –100%
Central Wavelength	1070±10nm
Power Variation, 8-Hour	≤1%
Modulation Frequency	≤100kHz
Rise and Fall Times	≤5µs
Red Light	Yes
Terminal Type	QBH
Beam Quality	≤1.1M2
Polarization	Random
Operating Voltage, Single-Phase	200 –240VAC, 50/60Hz
Control Interface	External hardware control/RS-232/Ethernet
Power Range	10-100%
Power Consumption	5500W
Cooling	Water cooling
Operating Temperature	+10 to +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.
- 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.

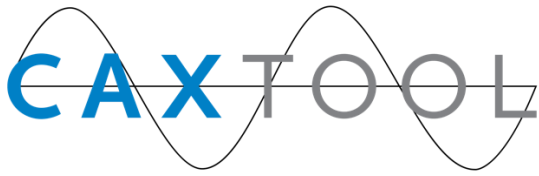


- **Cooling System S&A CWFL-1000**

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.

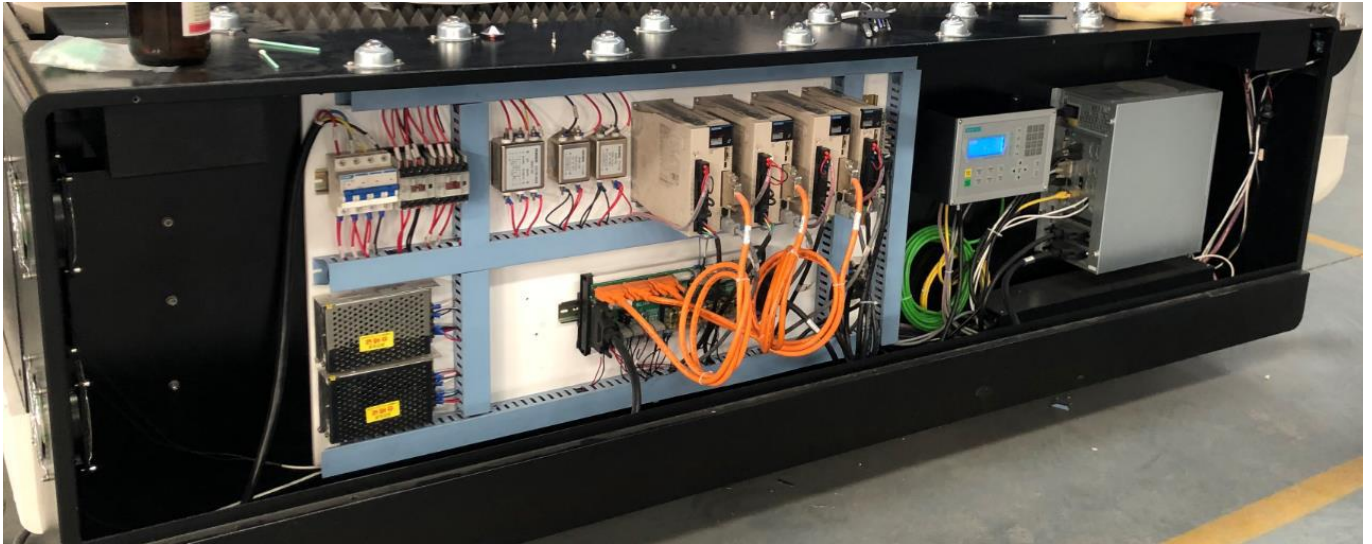




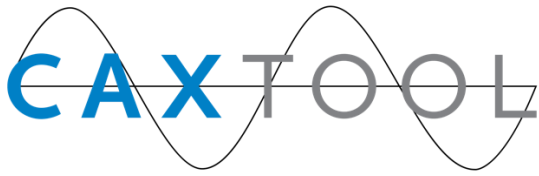
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- **CNC Control System FSCUT2000C and Software CypCut**



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.



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- **Transmission System**



Machine is with Taiwan YYC gear rack and PMI linear rail transmission, which ensures machine high speed movement, precision and stability as well.

- **Driving system: Schneider servo, SHIMPO reducer**





Az alkalmazott servo motorok Schneider servo motors and drivers. X, Y1, Y2: Schneider 750W. 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.

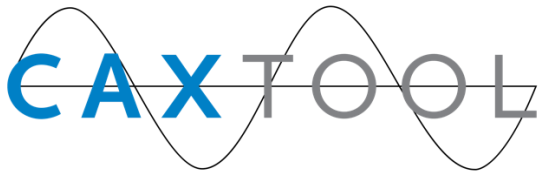
- **Exhaust System**



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.

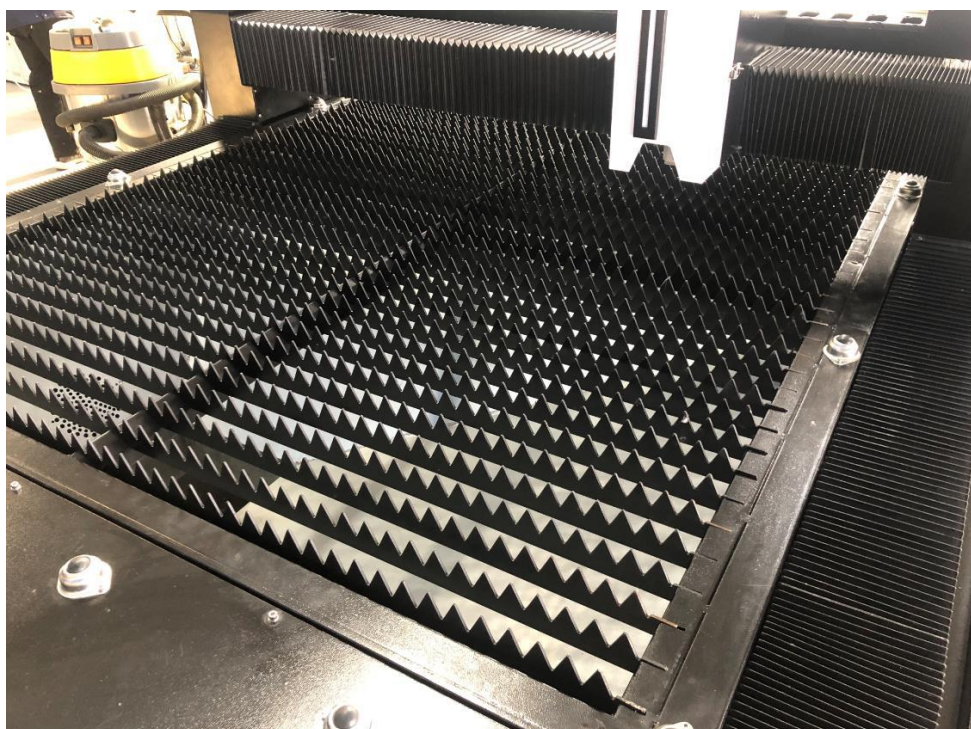
For example, oxygen helps to cut faster and thicker; nitrogen helps to get brighter cutting edge.

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**



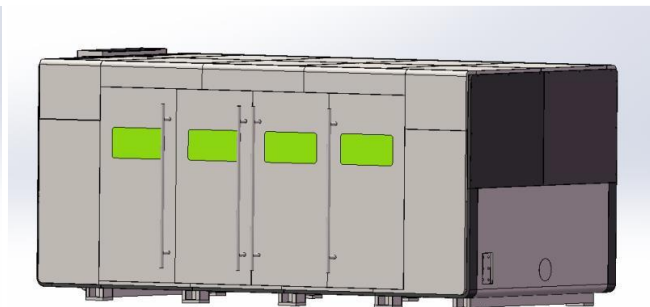
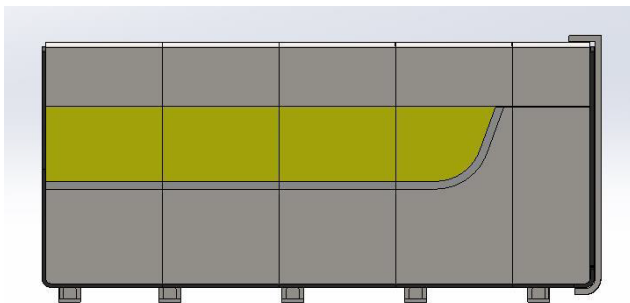
- **Machine Table**



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.

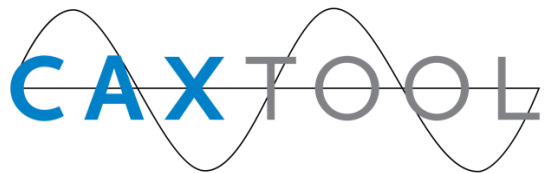
- **Full cover with CE security glass**

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



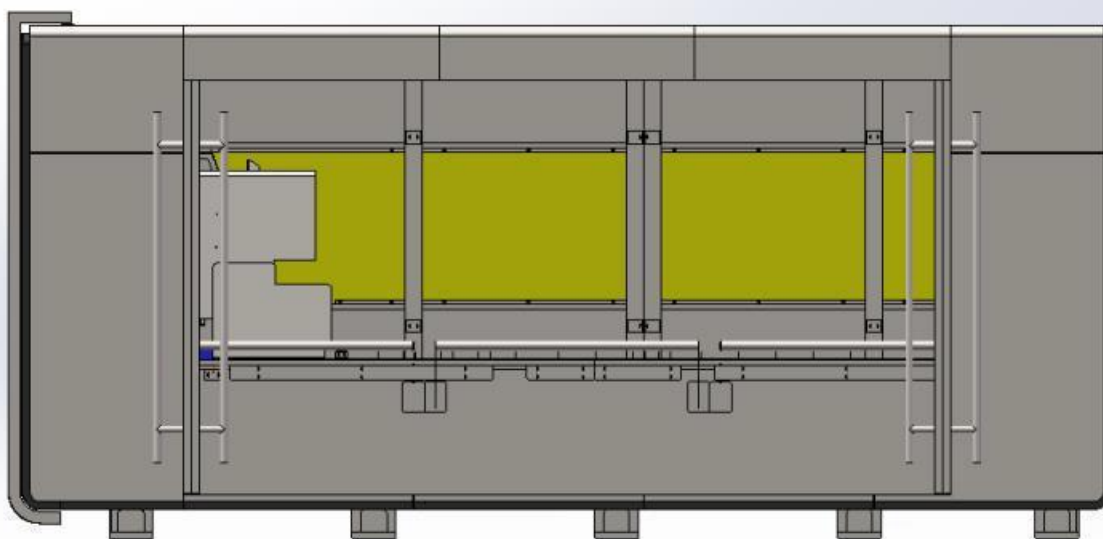
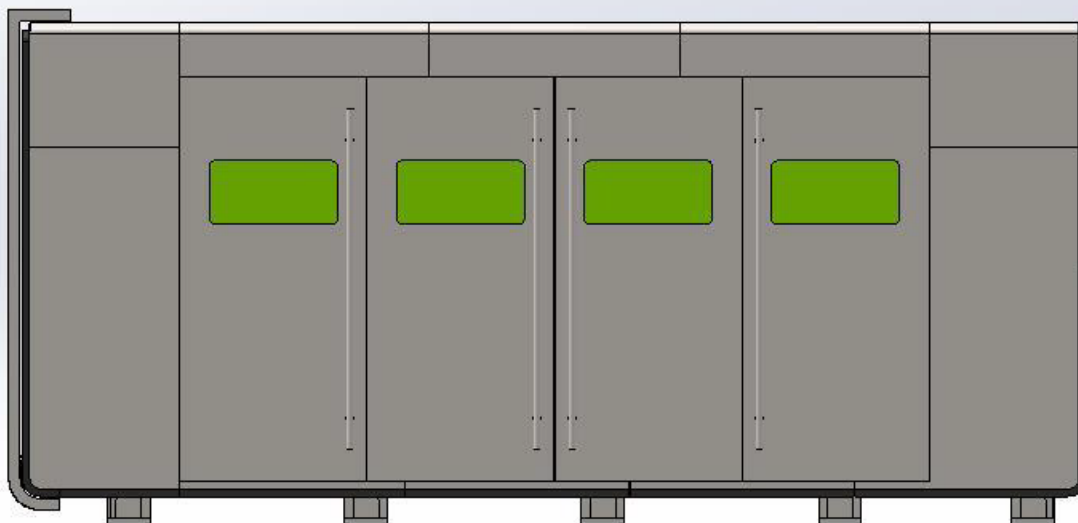
- **Material Loading System**

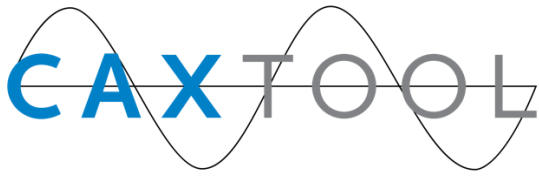
The machine has folding doors at right side, through which you can load the metal sheets to the machine table. For easier loading of metal sheet, we build themachine with nylon shaft besides the machine table. The shaft is higher than the machine table and Y-axis movement structure, so the metal sheet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



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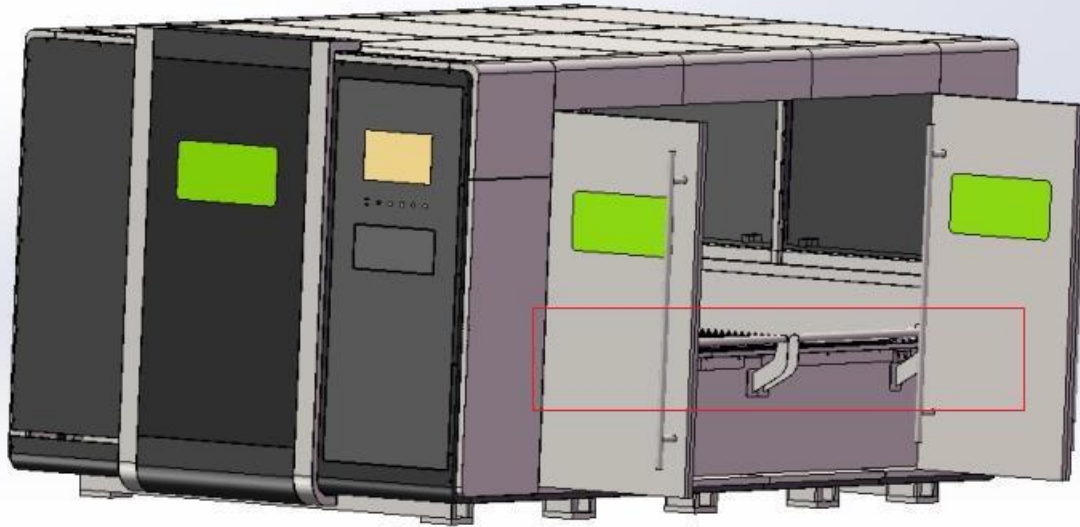
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Nylon shaft assisting metal sheet loading

- Safety goggles

