

Caxtool Kft.
6791 Szeged, Dorozsmai út 157. EU
+36 62 254 826
+36 30 565 1812
d.zanocz@caxtool.hu
info@caxtool.hu

Adószám: 12871856-2-06
Adószám: HU 12871856
Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HU65 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:

Képgyűjtemény

Fiber lézervágó berendezés

CAXTC_Accurl_6015_1.5kW_1.0 fiber lézervágó berendezés / Fiber cutting machine

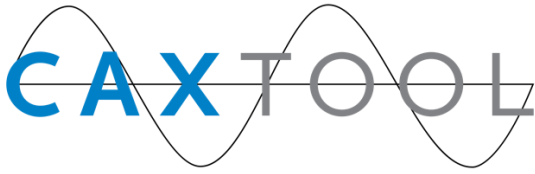


FULLY ANNEALED FRAME

Accurl steel frames under go annealing at over 600° to relieve stress. They are built to last years of heavy use without distortion.

Auto changing pallet system allows over 2500kg loading weight.





Caxtool Kft.
6791 Szeged, Dorozsmai út 157. EU
+36 62 254 826
+36 30 565 1812
d.zanocz@caxtool.hu
info@caxtool.hu

Adószám: 12871856-2-06
Adószám: HU 12871856
Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HU65 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:

OPTIMIZED BASE FRAME

- Very stiff and stable base frame
- Eight(8) zone & ducted exhaust system
- Dual synchronized twin servo motor drive system
- Helical rack & slant pinion drive system enables very smooth movements.



UITRALIGHT-WEIGHT GANTRY STRUCTURE

- Light-weight cutting head assembly (Total weight 130 lbs) is designed for high dynamic movement, lowering the Tool Center Point to keep the cutting head from losing accuracy that is caused by whipping or drifting during high speed accel/decel movement

CAST ALUMINIUM GANTRY

- ACCURL®'s high tech aluminium cross beam is cast in a specially manufactured 10-tonne steel mould.
- This allows better rigidity at 50% of the weight of traditional iron gantries, allowing higher acceleration with reduced inertia.



YASKAWA SERVO MOTORS & DRIVES

- servo motors and drives from YASKAWA.
- High-speed EtherCAT communication
- Highly dynamic behaviour
- Brushless three-phase motors
- Flexible motor type selection

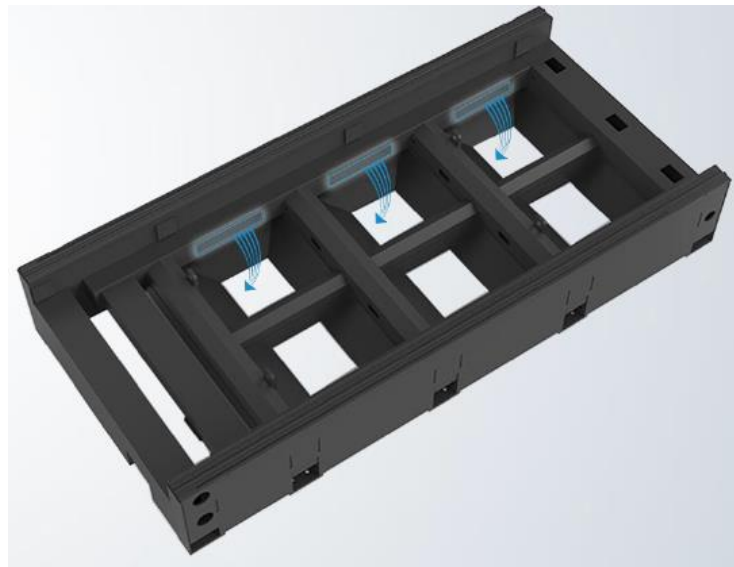


YYC fogaskerék meghajtás



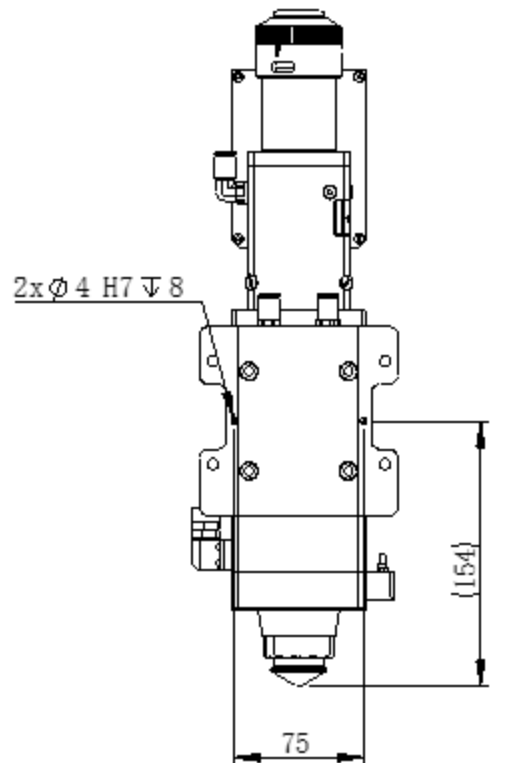
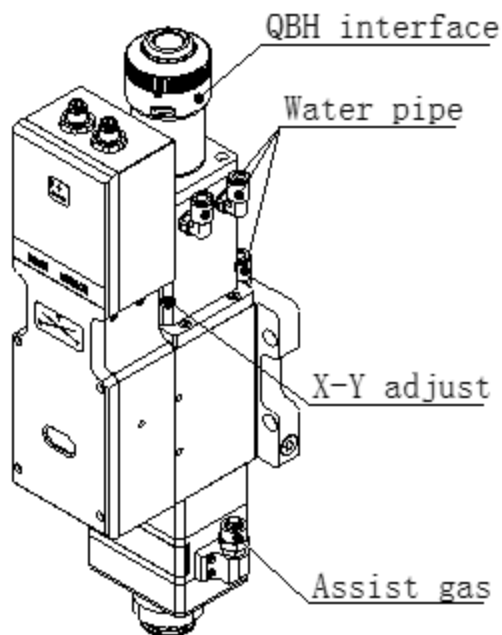
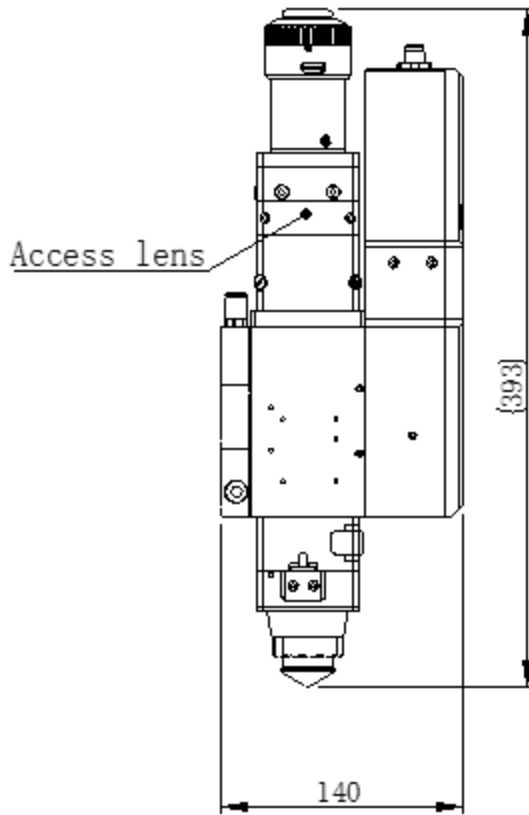
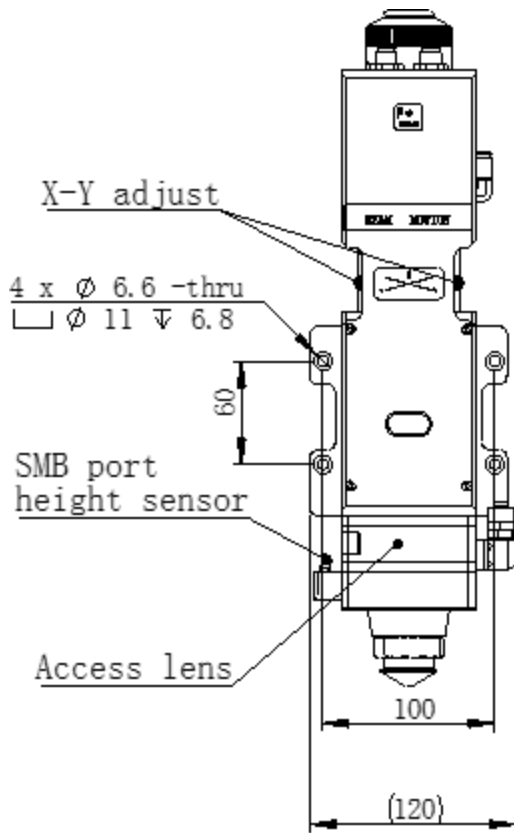
FUME EXTRACTION SYSTEM

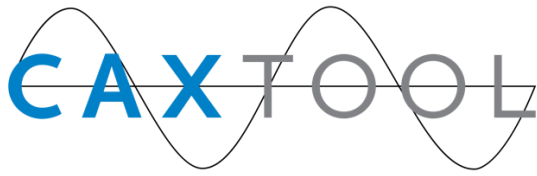
- Efficient fume extraction by means of shutters which are controlled in accordance with cutting head position results in more efficient use of the filtration system.
- Therefore a smaller lower cost system can be used.the system consists of six fume extraction zones (as seen below).
- Smaller air flow from the dust collector
- Low electrical consumption
- Smoke and dust free machining area



Raytools BM111 Series 3.3KW Auto-Focusing Laser Cutting Head







Caxtool Kft.
6791 Szeged, Dorozsmai út 157. EU
+36 62 254 826
+36 30 565 1812
d.zanocz@caxtool.hu
info@caxtool.hu

Adószám: 12871856-2-06
Adószám: HU 12871856
Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HU65 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:

The product has built-in motor drive unit through the linear driver and the focusing lens can automatically change the position in the range of 22mm.

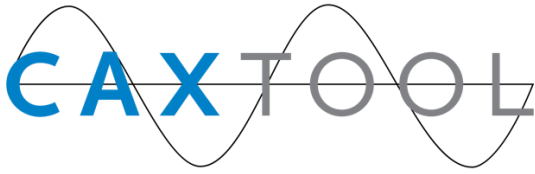
The user can set the focus continuously through the program to complete the rapid piercing of thick sheets or other different thickness and material sheets.

The product can be equipped with D30 lens group to integrate the light beam.

The optimization of optical design and the design of water-cooled allows laser heads stably and chronically to work at high power lasers.

- Optimized optical configuration and smooth and efficient airflow design.
- Auto focus ranges +9~-14mm, accuracy is 0.05mm.
- Can be equipped with the D30 lens group, the maximum fiber input power is 3.3KW.
- Maximum acceleration of focus lens drive 10m/s², maximum speed 10m/min.
- Adds an upper protective lens to the collimator, minimizing the risk of contamination of the collimator.
- Drawer-type of lens mount, quick and easy access to the cover glass.
- With a variety of optical interfaces, can be adapted with a variety of fiber lasers.

Power Rating	≤3.3KW
Clear Aperture	28mm
Collimator Focal length	100mm
Focusing Focal length	125mm/155mm/200mm
Collimating protective glass	φ24.9mm*1.5mm
Focus protective glass	φ27.9mm*4.1mm
Auto focus range	+10~-12mm
Assist gas Pressure	≤30bar
Weight	~6.5kg



Caxtool Kft.
6791 Szeged, Dorozsmai út 157. EU
+36 62 254 826
+36 30 565 1812
d.zanocz@caxtool.hu
info@caxtool.hu

Adószám: 12871856-2-06
Adószám: HU 12871856
Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HU65 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:

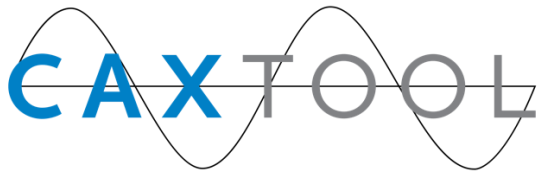
FIBER LASER RESONATOR NLight CFL-1500



nLIGHT® multimode rackmount fiber lasers deliver power outputs from 500 to 1500W with multiple fiber options and excellent beam quality for advanced cutting, welding and additive manufacturing. The small size of these lasers facilitates easy integration into machine tools. nLIGHT rackmount fiber lasers feature true hardware-based back reflection protection, easy onsite servicing and reliable operation in even the harshest manufacturing environments.

Features

- 500 to 1500W models provide power level options to support a range of applications.
- Hardware-based back reflection protection allows uninterrupted, failsafe processing of even the most reflective metals with no damage to the laser.
- Easy onsite serviceability maximizes uptime and productivity.
- Durable design ensures continuous operation in manufacturing environments.
- Advanced electronics allow faster piercing and processing of fine features along with smaller affected heat zones.



Caxtool Kft.
6791 Szeged, Dorozsmai út 157. EU
+36 62 254 826
+36 30 565 1812
d.zanocz@caxtool.hu
info@caxtool.hu

Adószám: 12871856-2-06
Adószám: HU 12871856
Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HU65 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:

nLIGHT Multimode Rackmount Fiber Laser Specifications

Models	CFL-500	CFL-700	CFL-1000	CFL-1200	CFL-1500
Optical Specifications					
Mode of Operation	CW/Modulated				
Polarization	Random				
Maximum Average Power	500W	700W	1kW	1.2kW	1.5kW
Power Tunability	5 – 100%				
Power Variation, 8-Hour	≤ 1%				
Modulation Frequency	≤ 100kHz				
Rise and Fall Times	≤ 5μs				
Beam Quality	50μm fiber ≤ 2.0mm-mrad 100μm fiber ≤ 4.0mm-mrad 200μm fiber ≤ 11.0mm-mrad				
Wavelength	1070 ± 10nm				
Electrical Specifications					
Operating Voltage, Single-Phase	200 – 240VAC				
Operating Voltage Frequency	50/60Hz				
Control Interface	External hardware control, RD-232, Ethernet				
Mechanical Specifications					
Dimensions (W X D x H)	480 x 677 x 177mm				
Optical Fiber ¹	10, 20, 30m, QBH connector standard				
Cooling Method	Water				
Environmental Specifications					
Operating Temperature ¹	+10 to +40°C				
Storage Temperature	-10 to +60°C				
Relative Humidity	10 to 80%				

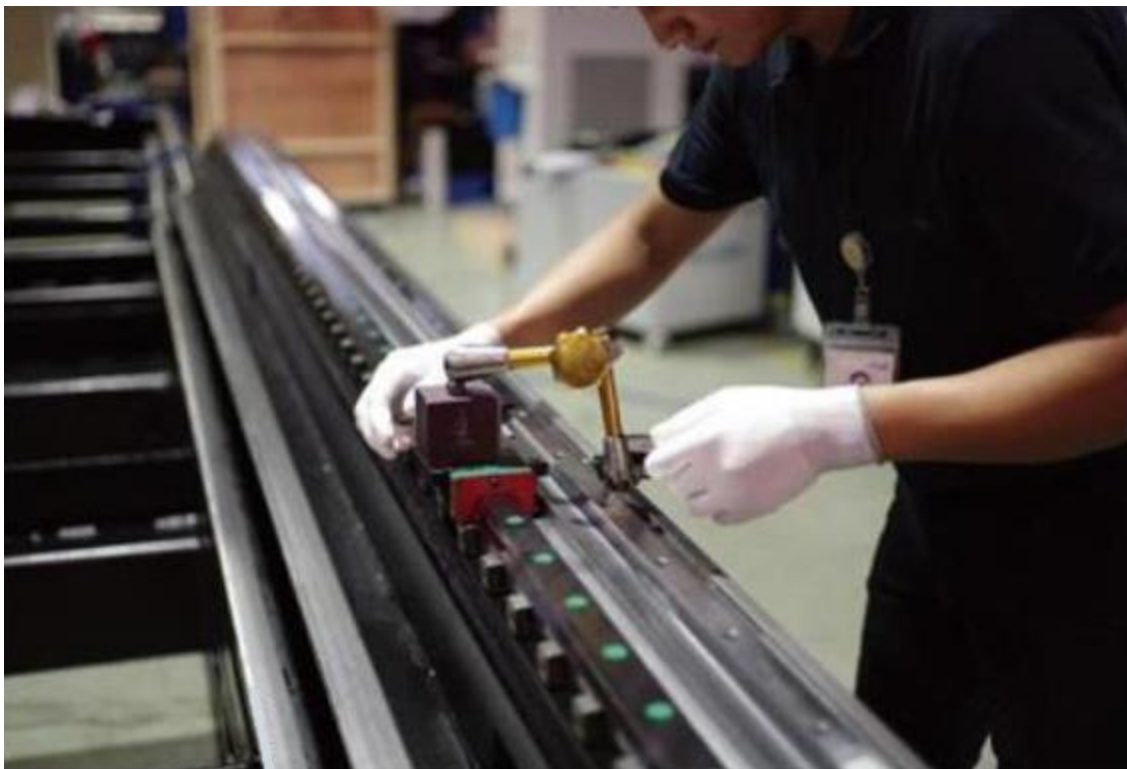
¹ Non-condensing or with use of CDA.

COMMITMENT TO QUALITY

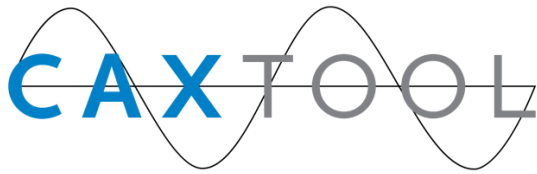
- Accurl assemble their machines to the strictest quality standards, utilizing many tools and methods to ensure accuracy all throughout their process.
- The use of an interferometer records the machines X and Y axis movement during cutting to ensure accuracy. Adjustments are made to ensure machine is precisely tuned before shipment.



- A Marble test is performed to measure the X and Y axis, calculating any necessary adjustments to ensure perfect level and alignment along length of machine.

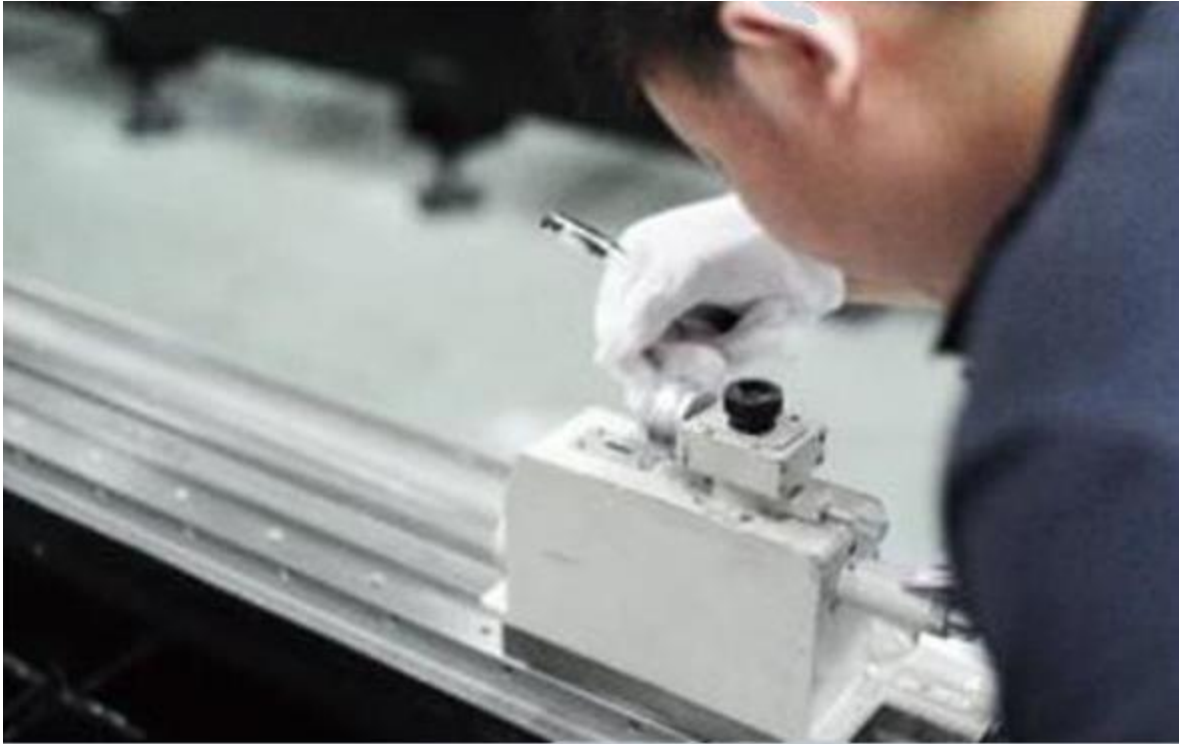


- A collimator is run along the full length of the guide rail, testing for straightness. Adjustments are made as required to ensure linear accurate linear accuracy.



Caxtool Kft.
6791 Szeged, Dorozsmai út 157. EU
+36 62 254 826
+36 30 565 1812
d.zanocz@caxtool.hu
info@caxtool.hu

Adószám: 12871856-2-06
Adószám: HU 12871856
Bankszámla száma: 57600101-11102986
SWIFT (BIC): TAKBHUHB
IBAN: HU65 57600101 11102986 00000000
cégjegyzékszám: 06-09-014002
info:



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/mild steel, stainless steel, aluminum alloy, galvanized sheet, electrolytic plate, titanium alloy, aluminum zinc plate, etc.

