

Fiber laser cutting machine is a state of the art flying optic laser cutting machine for the most demanding high production metal fabricators. TRF510H (1530) 3000W fiber laser cutting machine with a compact footprint, long service life, excellent single mode beam quality up to 3KW or up to 6KW as a robust "all-in fiber" resonator concept. TigerTec fiber laser is the first choice for a wide range of applications with a high precision and accuracy. The flexible laser communication and control options allow TigerTec fiber lasers to be easily integrated into larger systems.

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TigerTec Fiber Laser series

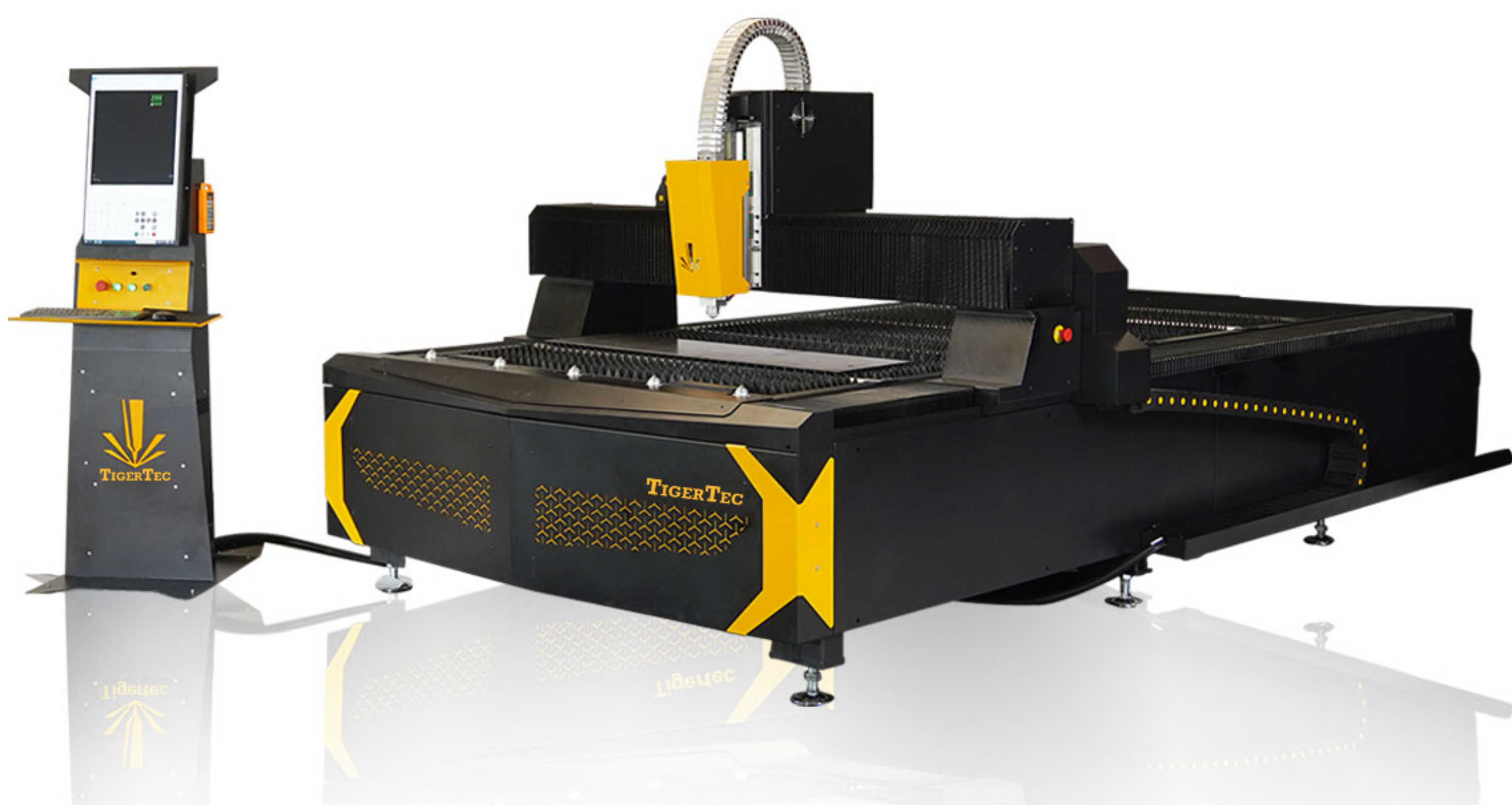
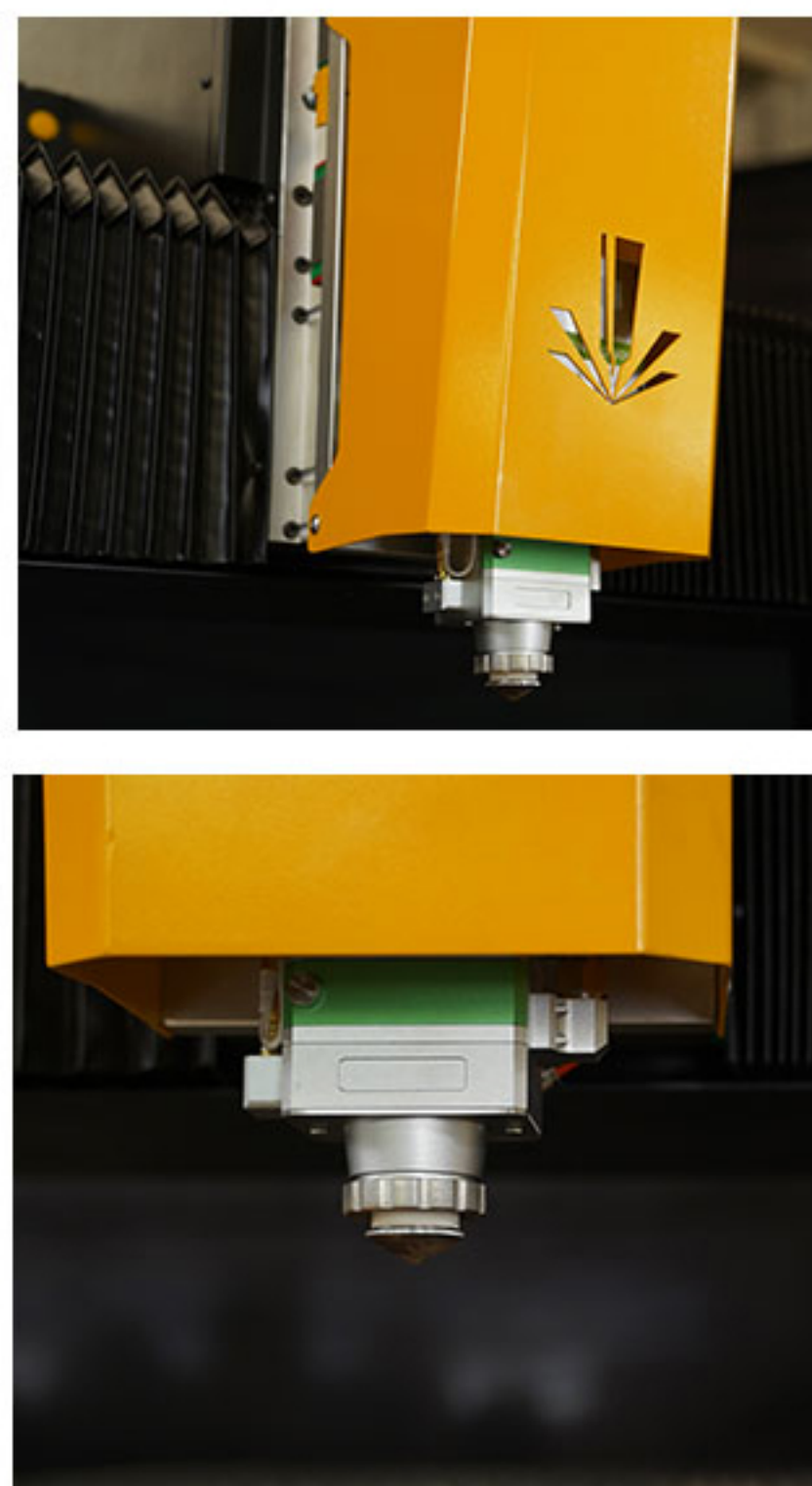
TigerTec fiber laser give you the ideal equipment for laser processing which makes it easier for you to earn good reputation in the world.

TigerTec fiber laser series designed to large-scale series production with extensive automation displays its superiority across the board. This applies in particular to cost-effective laser processing of small to medium-sized components with good quality.

TigerTec fiber laser series is robust and reliable which will create smooth cutting edges and no need require post-processing. The parts are free of burrs even with thick stainless steel. A simple operating concept can be easily operated by new operators and is well equipped with intelligent features to deliver worry-free, walk- away performance and high productivity.

Perfect quality

Smooth cutting edges, perfect and micro-burr-free cutting results.



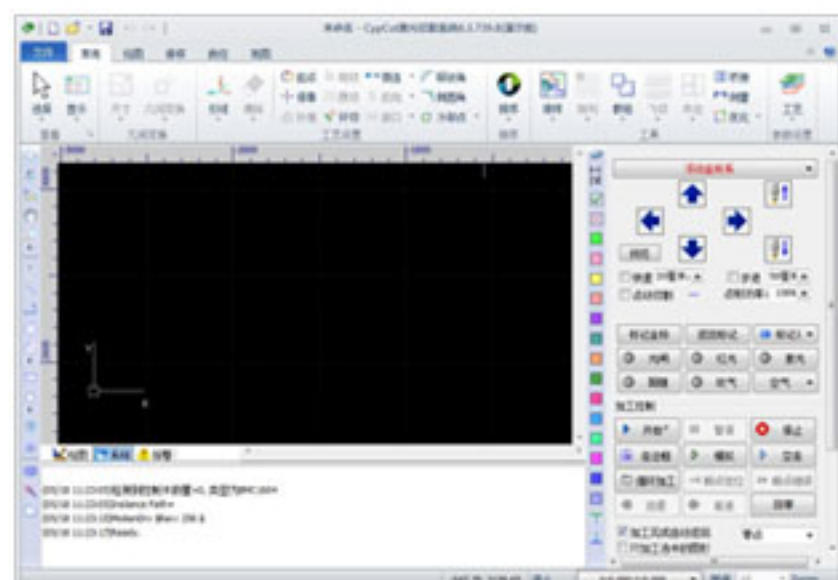
PRODUCT
ADVANTAGES

COMPOSITION OF
FIBER LASER CUTTING MACHINE



Machine bed

Heavy-duty with strength steel welded structure and internal stress is eliminated by annealing.



Software

Advanced and easy-to-use CypCut control software allows your employees to efficiently integrate into your workflow.

Applications:

Capable of cutting carbon steel, brass, aluminum and stainless steel without fear of back reflections damaging the machine. By using these fiber laser machines, you will reduce your maintenance requirements and cut your operating costs considerably.

Applicable Industries:

Kitchen cabinets, Door processing, Lighting hardware, Chassis cabinets, Advertising signs,Elevator manufacturing, Sheet metal processing, Home appliances.



Servo driver

With this motor, the machine can realize high-precision machining at high speed.



Industry chiller

Reduce the temperature of the laser source and prevent the laser from being burned out. TEYU water coolers with reliable quality is best choice.



Laser source

Both of Raycus,Maxphotonics and IPG are available.



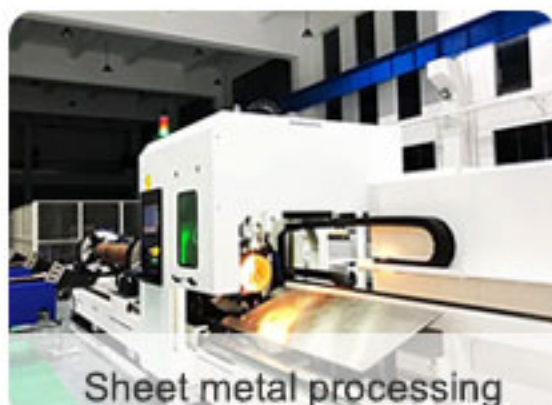
Auto Height Laser Head-Auto-
matic obstacle avoidance

When the cutting head senses the raised part, it will automatically avoid to protect the laser cutting head, also can improve the work efficiency

FIBER LASER CUTTING MACHINE
CONFIGURATION PARAMETER

Model	TRF1530H	TRF1540H	TRF1560H
Working area	1500*3000mm	1500* 4000mm	1500* 6000mm
Gantry	Steel gantry		
Motor	Yaskawa servo motor with Shimpo reducer from Japan		
Laser head	Raytools		
Idling Speed	120 m/min		
Max.Acceleration	1.2G		
Guide	HIWIN		
X/Y Axis positioning	±0.02mm/m		
X/Y Axis repeated	±0.02mm/m		
Laser source	MAX/ IPG/Raycus		
Voltage	380V,3PH,50/60HZ		
Software	CORELDRAW,PHOTOSHOP,AUTOCAD		

FIBER LASER CUTTING MACHINE
APPLICABLE INDUSTRIES



Sheet metal processing



Advertising signs



Kitchen cabinets



Door processing



Lighting hardware



Home appliances



Chassis cabinets



Elevator manufacturing



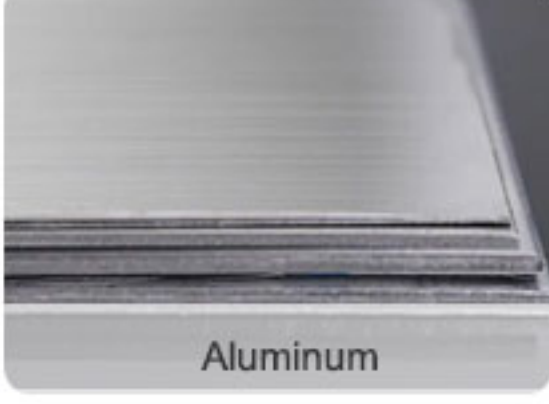
Stainless steel



Carbon steel



Galvanized sheet



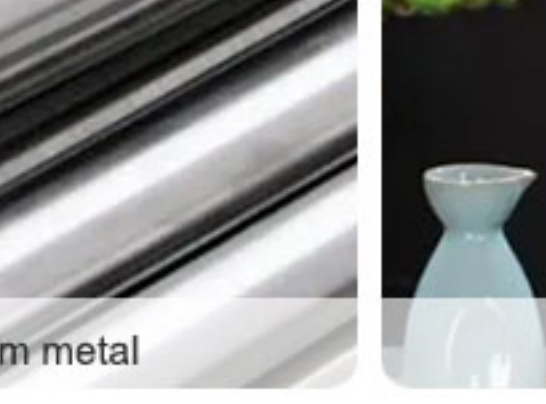
Aluminum



Brass



Titanium metal



Ceramics