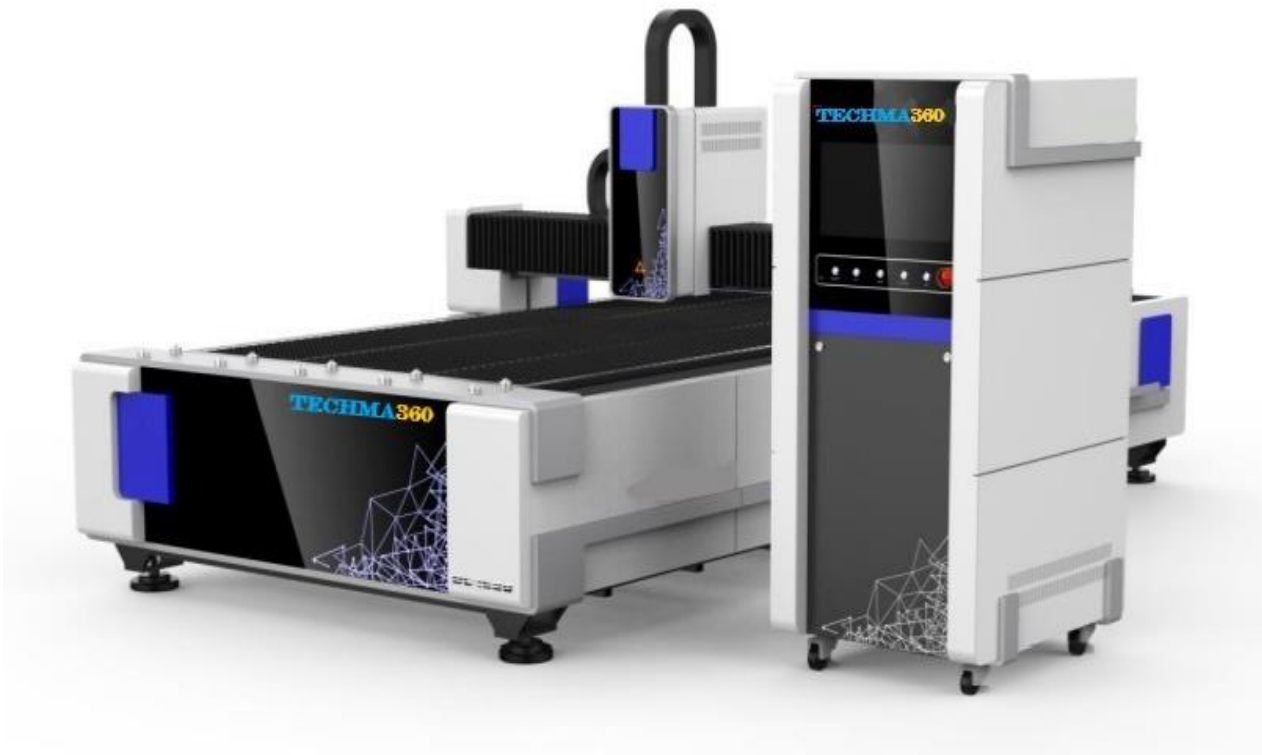


Techma360

Techma360. is ranked amongst the leading **Importers** and **Suppliers** of broad assortment of **CNC Fiber Laser Cutting Machine, CNC Fiber Laser Welding Machine, CNC Fiber Laser Marking Machine, CNC Press Brake Machine, CNC Shearing Machine, CNC Turret Punching Machine, Busbar Processing Machine etc** The products provided by us are manufactured at our suppliers end by using high quality approved components with highly advanced technology by team of professionals. These products are highly acknowledged among our renowned customers for the outstanding features such as long service life, optimum strength, flawless finish, highly durable & effective service support etc.

Techma360 aim to provide durable, affordable & easily operable Sheet Metal Processing machines. Apart from the premium standard quality, **our brand also focuses on providing the best pre & post-sale customer service support**

LASER CUTTING MACHINE





Working principle:

It is mainly used for plate cutting into the required shape workpiece laser machine. Using a laser beam to the realization of thermal cutting equipment.

Laser cutting is a laser beam to the surface to the energy released when the workpiece melting and evaporation, to achieve the purpose of cutting and carving, has high precision, fast cutting, cutting pattern is not limited to restrictions, automatic typesetting save materials, incision smooth, low processing cost etc, gradually improve or replace the traditional cutting process equipment.

Features of Fiber Laser Cutting Machine

**High
quality**

Smaller focus diameter
and high work efficiency.

**High
cutting
speed**

2-3times faster than YAG
or Co2 Laser.

Low cost

Photoelectric conversion rate is up to 25%-30%. Low electric power consumption, it is only about 20%-30% of traditional co2 laser cutting machine.

Low maintenance

Fiber line transmission, no adjustment of optical path.

High efficiency

Compare with co2 laser cutting machine, fiber laser cutting machine has three times photoelectric conversion efficiency.

Flexible

Compact design, easy to flexible manufacture requirements.

Stable

Adopting the top world import fiber lasers, stable performance, key parts can reach 100000 hours.


Easy












Fiber line transmission no need reflect lens, save maintenance cost.

Applicable materials

Suitable for stainless steel, carbon steel, silicon steel, aluminum alloy, titanium alloy, galvanized steel, pickle plate, aluminum-plating Zinc plate, metallic copper and other metals

■ Configuration of the Machine

Parts Name	Picture	Brand & Origin	Function
Laser source		 & Raycus	1:Direct control of all the fiber laser functions; 2:Synchronized control of the laser source; 3:Overall power control; 4:High speed perforation; 5:Edge machining function; 6:Cutting data library; 7:High speed
Cutting Head		 Precitec	1: Automatically focal position adjustment; 2:No-contact height sensor; 3:Horizontal lens adjustment; 4: Switzerland brand
Control System		 Cypcut(China. Shanghai)	1:Recognized by over 300 domestic and foreign laser companies; 2:Approved by over 100000 clients; 3:Stable operation on over 20000 sets cutting machine;ple 4:Able to complete from the design,map and process; 5:Simple,efficient,powerful and reliable

<p>Square Guide Rail</p>		 <p>HIWIN(Taiwan)</p>	<p>1:Precise design,easy to install; 2:High rigidity and overweight load capacity; 3:Low noise,smooth movement</p>
<p>Control Center</p>		 <p>Advantech(Taiwan)</p>	<p>1:CPU:G1820, 2:RAM:4G, 3:SSD:120G</p>
<p>Rack and Pinion system</p>		  <p>YYC/KH(Taiwan)</p>	<p>1: High hardness; 2: 6H precision; 3: easy to install.</p>
<p>Driving System</p>		 <p>Panasonic Or Yaskawa (Japan)</p>	<p>1:Servo Motor with high precise; 2:Able to control cutting speed and position; 3:Stable running,lower speed without vibration phenomenon; 4:Better overload capacity</p>
<p>Reducer</p>		 <p>Shimpo(Japan)</p>	<p>1:Helical gear replacing previous spur gear,lower noise; 2:Back to the gap below 0.05 are points; 3:Low pulsating rotation smooth</p>

<p>Oil Injection System</p>		<p>China.Zhejiang</p>	<p>After using some time,Rack&Pinion and guide rails always need maintained by inject oils.Make sure the machine keep moving fluently and in good precision.</p>
<p>Machine Tool Process</p>		<p>Self-research and development</p>	<p>1 : Steel welding 2 : tempering processing</p>
<p>Machine crossbeam</p>		<p>Self-research and development</p>	<p>1 : Steel welding 2 : tempering processing</p>