

FIBER LASER Metal Cutting Machine

Available with 300W | 500W | 750W | 1000W | 1500W | 2200W

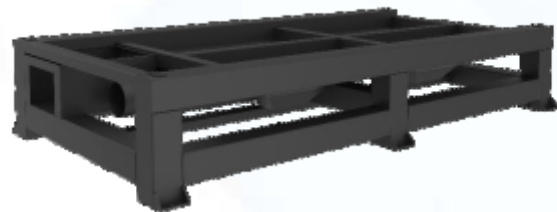


LMN3015G fiber laser cutter reaches the top level in China, which is customers' best choice in metal industry. The bed is welded by precise welding process after annealing and aging treatment, and the beam is airborne aluminium castings. For the more, the running speed of the machine can reach 80 m/min.

Characteristics

Pipe Welding Bed

High temperature annealing to reduce internal stress and deformation



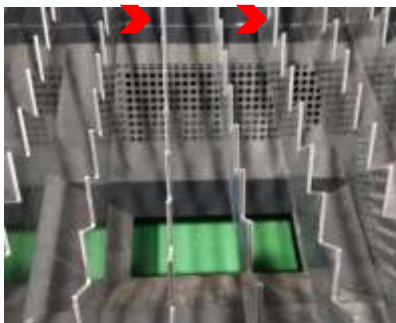
Structural optimization, the perfect integration of worktable and bed, knife directly mounted on the bed, integrated bed, avoid shaking





Stable Beam
Integral die-casting beam, high precision, not easy to deform, long life

The appearance of laser head cover is beautiful, which is helpful for observing red light and cooling, cleaning dust, avoiding long-term high temperature and damaging internal devices.



Exhaust Outlet
Push-pull partition smoke, combined with upper and lower exhaust

Installation of cutter blade dislocation insertion, firm installation, not easy to loosen and fall off





Specification

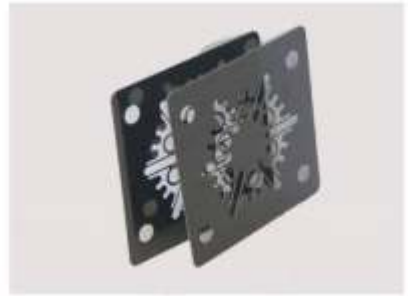
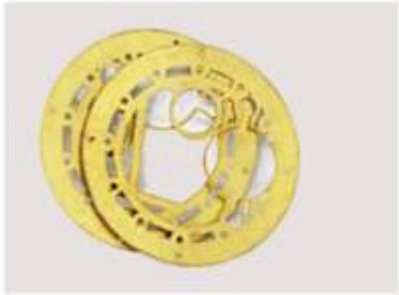
Model	LMN3015G
Working size	3000mm*1500mm
X-axis travel	3000mm
Y -axis travel	1500mm
Z -axis travel	120mm
Laser power	300W 500W 750W 1000W 1500W 2200W
Lase Wavelength	1080nm
Cutting Head	DLSEN / SENFENG / RAYTOOLS
X/Y Axis positioning accuracy	±0.05mm/m
X/Y Axis repeated positioning	±0.02mm
Maximum velocity of movement	80m/min
Electromechanical	SIEMENS
Drives & Control	SCHNEIDER
Cooling System	Water Cooling
Working Voltage	AC 440V
Machine weight	2200KG
Outline size	4600mm*2460mm*1360mm

Cutting Parameters

Material	Thickness □ MM □	Cutting speed □ m/min □	Air
Stainless steel	1	17	N2
	2	6.0-8.0	N2
	3	2.5-3.2	N2
	4	1.2-1.5	N2
	5	0.6-0.8	N2
Carbon steel	1	15	O2
	2	5.0-7.0	O2
	3	3.5-4.0	O2
	4	2.0	O2
	5	1.5-1.8	O2
	6	1.2-1.5	O2
	8	0.9	O2
	10	0.7	O2
	12	0.6	O2
Brass	1	10.0-12.0	N2
	2	4.8	N2
	3	1.2	N2
Aluminum	1	8.0-10.0	N2
	2	4.8	N2
	3	1.2	N2

Applications

1. Cutting materials: carbon steel, stainless steel, aluminum alloy, brass, copper, galvanized steel, silicon steel plate, electrolytic plate, titanium alloy, manganese alloy;
2. Cutting range: 0.5-12mm carbon steel, 0.5-5mm stainless steel, 0.5-3mm aluminum alloy, 0.5-3mm brass;



3. Applied industries: rail transit, automobile, machinery, electrical manufacturing, elevator manufacturing, household appliances, kitchen and sanitary ware, advertising, and other machinery manufacturing and processing industries.

