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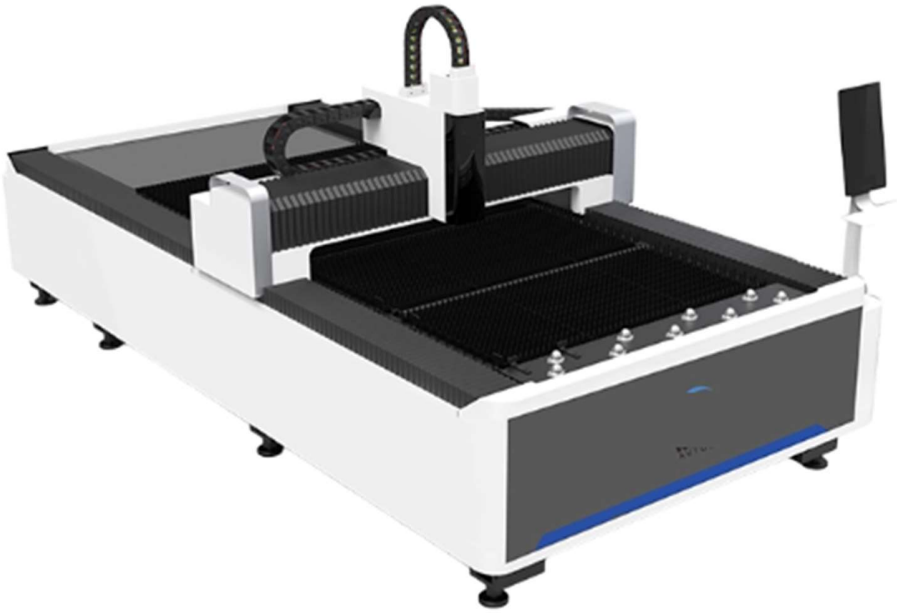
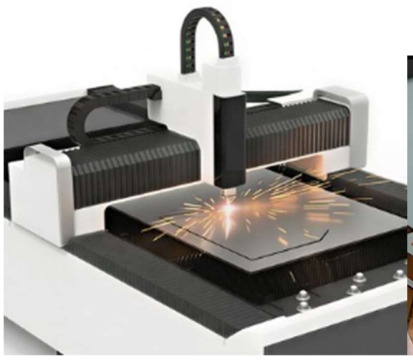
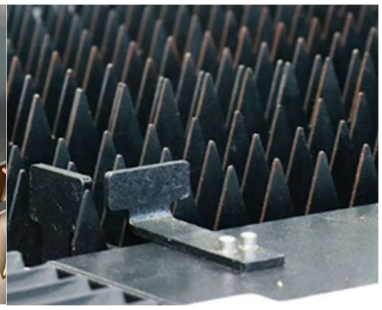
600 600 0900

MESA CNC CORTADORA LASER FIBRA 25MM ACERO

STERK LF-3015/12







DN SOLUTIONS RETOS VARNSDORF ZMM BULGARIA HIDROGARNE

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1. Fiber Laser Cutting Machine is a mature product to reach the domestic advanced level.
2. This series is recommended for metal material processing industry.
3. After aging annealing treatment, the bed is welded as whole honeycomb carbon structure with high strength and stability.
4. The beam is manufactured by aviation aluminum with good cutting precision.
5. With high speed, the processing efficiency is greatly improved.

1. We provide 1 years warranty whole machine.
2. Welcome to our factory to get free training course. Our technician can also be dispatched to your door if you need.
3. There is a 24 hours after-sales team in our factory. They take turns on duty. Getting over the jet lag, any problems can be solved in the first place.
4. Your machine will be adjusted and debugged before delivery. User-friendly English manual and video/CD will be sent to you along with the machine.

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Standard Configuration	
Model	KF-3015
Laser Generator	12000W Raycus
Laser Head	BOCI BLT
Controller System	FSCUT6000
X-axis Driver and Motor	**Delta servo motor**
Y-axis Driver and Motor	**Delta servo motor**
Z-axis Driver and Motor	**Delta servo motor**
Reducer	Japan Shimpo
Electronic Components	Schneider
Guide Rail	Taiwan **DTX**
Grinding Rack	German LEITESEN
O2 Proportional Valve	Japan SMC
Computer	Standard model
Beam and Gantry	Aviation aluminum
Water Chiller	HANLI
Exhaust Fan	500W

Working Area	3000mm*1500*100mm
Laser Type	Fiber laser generator
Laser Power	12000W Raycus

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Transmission System	Gantry double-drive structure
Lubrication System	Fully automatic
Maximum Linkage Speed	140m/min
Maximum Acceleration Speed	1.5G
Machine Body	tube welded
Positioning Accuracy	±0.03mm/1000mm
Repositioning Accuracy	±0.02mm/1000mm
Graphic Format Supported	CAD, DXF, etc
Working Environment	Temp:0-40℃,humidity:≤80%, no condensation
Total Power	80KW
Machine Size	Package size :5550*2250*2000mm
Gross Weight	2000kg
Machine Body Produce Process	Gantry milling De-stressing De-firing

● Cutting Parameter

Material	thickness[mm]	cutting speed[m/min]	Laser power [W]	Gas
Carbon Steel	1	50-60	12000	N2/Air
	2	35-40		
	3	28-33		
	4	20-24		
	5	15-18		
	6	10-13		
	8	7-10		
	10	6-6.5		
Carbon	10	2-2.3	6000	02

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Steel	12	1.8-2	7500	
	14	1.6-1.8	8500	
	16	1.5-1.6	9500	
	20	1.3-1.4	12000	
	22	0.9-1		
	22	1-1.2		
	25	0.7-0.9		
	25	0.8-1		
	30	0.4-0.5		
	30	0.7-0.8		
	40	0.25-0.3		
Carbon Steel	12	3-3.5	12000	02
	14	3-3.2		
	16	2.8-3		
	20	2-2.3		
	25	1.1-1.3		
	30	0.9-1		
Stainless Steel	1	50-60	12000	N2
	2	40-45		
	3	30-35		
	4	22-26		
	5	15-18		
	6	13-15		
	8	8-10		
	10	6.5-7.5		
	12	5-5.5		
	14	3-3.5		
	16	2-2.3		
	18	1.3-1.5		
	20	1.2-1.4		
	25	0.7-0.9		
	30	0.25-0.3		
	40	0.15-0.2		
Stainless Steel	1	50-60	12000	Air
	2	40-45		
	3	30-35		
	4	22-28		
	5	16-19		
	6	14-17		
	8	9-11		
	10	7-8		
	12	5.5-6		
	14	3.5-4		
	16	2.2-2.4		
	18	1.3-1.6		
	20	1.2-1.5		

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	25	0.7-1		
	30	0.3-0.4		
Aluminum	1	45-50	12000	N2
	2	30-35		
	3	20-25		
	4	18-20		
	5	14-16		
	6	10-12		
	8	6-8		
	10	4-6		
	12	2-3		
	14	1.5-2.5		
	16	1.3-2		
	18	1-1.6		
	20	0.8-1.2		
	25	0.5-0.7		
	30	0.4-0.5		
	40	0.25-0.3		
brass	1	35-45	12000	N2
	2	30-35		
	3	18-22		
	4	15-18		
	5	12-15		
	6	8-10		
	8	5-7		
	10	4-5		
	12	1.8-2		
	14	1.2-1.4		
	16	0.8-1		
Copper	1	25-30	12000	02
	2	20-25		
	3	16-18		
	4	10-12		
	5	6-8		
	6	4-5		
	8	2-2.5		
	10	1-1.2		

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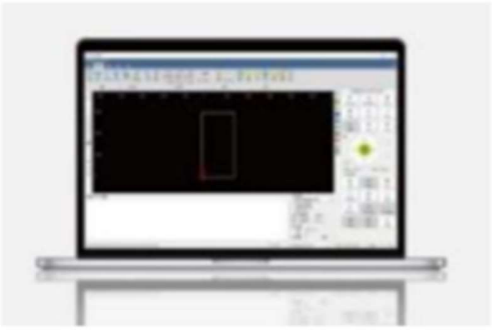
- **Main Parts**

Machine Body	
1. The machine body is made of honeycomb carbon structure. 2. The internal stress is eliminated by annealing. 3. After secondary vibration aging treatment, it is assured that the machine body will not be deformed for a long time.	
Gantry Beam	
1. The beam adopts high-strength steel or aluminum alloy with light weight and good dynamic performance. 2. The internal stress is eliminated after annealing. 3. After secondary vibration aging treatment, the overall strength and stability is assured.	
FSCUT Control System	
The 2000E control system is FSCUT' professional CNC for industrial laser production applications. The system, with its overall smooth and easy-to-use human-machine interface, rich functional modules, independent process database, etc., enables it to adapt to various mainstream laser cutting equipment in the industry.	

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Delta Servo Driver and Motor	
1. This high-performance servo motor adopts a one-step locking connector, which is highly resistant to vibration and shock. 2. The debugging is more convenient, the operation is more stable, the positioning time is shorter. 3. It can better cooperate with the servo driver to complete the position control, speed control and torque control.	
Raycus Laser Generator	
Raycus is the internationally-known brand of laser generator with its own R&D, production and service department, who provides vertical integration capabilities from materials, devices to complete machine.	
BOCI Auto Focus Laser Head	
1. BOCI laser head has advantages in medium power and large format metal cutting applications.. 2 The internal structure of the laser head is completely sealed to avoid dust pollution of the optical part. 3. The laser head adopts two-point centering adjustment, and the focusing adopts imported motor and driver, which significantly improves the efficiency in perforation.	

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Electronic Components	
Overvoltage resistance, high performance limitation on fast closing, independent of toggle actuation speed.	
O2 Proportional Valves	
The electronic proportional valve used to control the oxygen is SMC brand, and its pressure range is 0-1Mpa.	
Hanli Water Chiller	
The water chiller is used to cool the laser head and laser source, and an alarm signal will be sent out when the water temperature is too high.	

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Air Conditioner OPTIONAL	
The air conditioner is used to cool the electric control cabinet.	
Automatic Lubrication	
We can set the frequency of refueling, and control the quantity by adjusting relevant parameters on the computer, which greatly improves the service life of the machine and saves manpower.	
Exhaust, Anti-dust Fan	
Dust is collected through ducts inside the machine	

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● Features and Advantages

1. High-rigidity heavy chassis, reducing the vibration generated during high-speed cutting.
2. Double-drive structure gantry, with imported German rack & pinion transmission system, improving the production efficiency.
3. High-performance cast aluminum guide rail, after finite element analysis, highly realizing accelerated speed circular arc cutting.
4. Open worktable, simple operation and small space occupation.

● Applicable Material and Industry

Applicable Material
This machine can be applied to cutting a wide variety of metal sheets, mainly including stainless steel, carbon steel, manganese steel, galvanized sheet, various alloy plates, rate metal and other metal materials.
Applicable Industry
This machine is widely used in engineering machinery, aerospace, electronics, panel beating, metallurgical equipment, automobile, household appliances, advertising decoration and other industries.

● Sample Display