

NAMCOR LASER

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Lightning FIBRE LASER MACHINERY SPEC SHEET

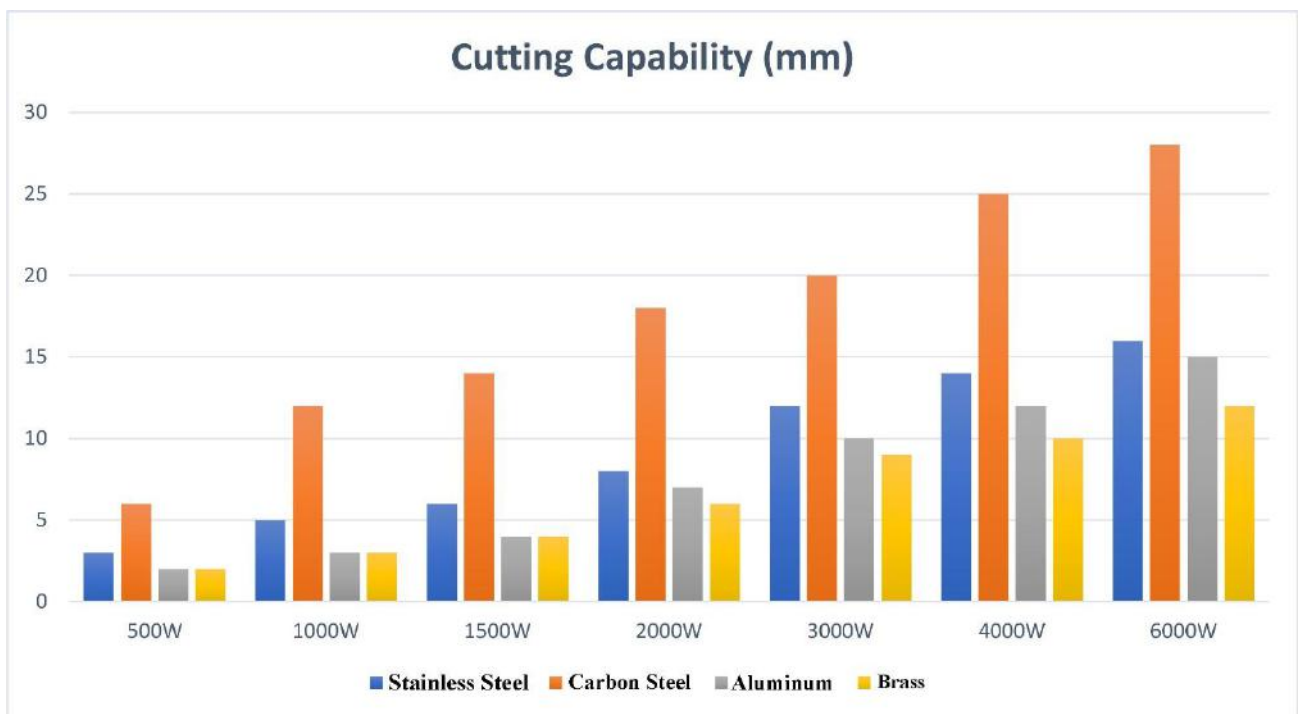
WORKING FIELD:

L x W (mm)	1500x1500	1500x3000	2000x4000	2000x6000
L x W (inch)	59x59	59x118.1	78.7x157.4	78.7x236.2

FIBRE LASER SOURCE:

Brand	Power								
IPG	500W	700W	1000W	1500W	2000W	3000W	4000W	6000W	8000W
N-light	700W	1000W	2000W	3000W	4000W	6000W	8000W		
Raycus	500W	750W	1000W	1500W	2000W	3000W	4000W	6000W	

CUTTING CAPABILITY:



PARAMETERS:

Equipment Model	NAMCOR-F Series
Laser Type	Fibre Laser
Laser Working Media	Fibre
Laser Wavelength	1070nm
Max Output Power	As the Fibre Laser Source
Beam Quality	< 0.373mrad
Working Range of X Axis	1500mm
Working Range of Y Axis	3000
Working Range of Z Axis	200mm
Workbench Axal Positioning Accuracy	$\leq \pm 0.02\text{mm/m}$
Workbench Repositioning Accuracy	$\leq \pm 0.02\text{mm/m}$
Cutting Speed	$\leq 30\text{m/min}$ (Depends on Material)
Workbench Maximum Load	800KG
Rated Parameters of Power Supply	3-Phase AC 380V 50Hz
Equipment Electric Power	10-20KW
Total Power Protection Class	IP54
Electric Oil Pot	Timely Quantitative Automatic Filling
Acceleration Speed	1G (1800W)
Empty Line Speed	100m/min
Single Positioned Accuracy	<0.03mm

CONFIGURATION:

Name	Brand/Model	Picture
Fibre Laser Source	1000W Raycus	
Cutting Head	Raytools	
Software	Cypcut	 <p>CypCut Laser Cutting System CypCut</p> <p>Machine tool - G3015 Machine name: MS-201712200400(Raycus 1000W) Machine num: 20180020-2013-1314122 Release date: 2018/9/25 星期一</p> <p>Manufacturer Tel: 021-64309023</p> <p>CNC System: FSCUT3000 Version: 6.3.731.3 Release Date: 2018-08-30 19:24 Card Type: Dremel Follower Type: BCS180 Diamo Laser Type: Raycus(1000W) Cutting head no</p> <p style="text-align: right;">  当心激光 Caution, laser </p>
Cooling System	Hanli/S&A/Tongfei	
Guide Rail	T-win	
Rack and Pinion System	T-win	

Driving System	Fuji	
Reducer	Shimpo	
Oil Injection System	Local	
Industrial Control Computer	Lenovo	
Electromagnetic Valve	AirTAC	
Proportional Valve (Optional)	SMC	
Terminal Block	Schneider	

CONSUMABLES AND WORKING COSTS:

Working Cost			
Taking 1mm stainless steel (SS) and 5mm carbon steel (CS) as the example the unit price of electricity charges is \$0.15; 200L liquid oxygen gas (\$37, a bottle of about 35 hours); 200L liquid nitrogen gas (\$31, a bottle of about 10 hours);			
	Project	Cutting SS (1mm)	Cutting CS (5mm)
1	Electricity Cost	\$2.5/hour	
2	Auxiliary Gas Cost	\$3/hour (nitrogen)	\$1/hour (oxygen)
3	Protective Lens Cost	\$0.05/hour (\$15.5/300 hours)	
4	Nozzle Cost	\$0.015/hour (\$15.5/1000 hours)	
5	Ceramic Ring Cost	\$0.03/hour (\$31/1000 hours)	
6	Lubricating Oil	\$0.015/hour (\$7.7/2L 1000 hours)	
7	Water Chiller Cost	\$0.01/hour	
8	Total Cost	\$5.62/hour	\$3.62/hour
If cutting thin plate with air, the cost Includes the air compressor, the unit price is \$0.6/hour (\$3/1mm SS); The above cost is just for reference, and the final price will be adjusted according to local electricity charges, gas charges and additional costs.			

Working Cost			
Name	Normal Lifetime	Unit Price/Set	Cost/Hour
Protective Lens	300-500	\$16	\$0.1/hour
Nozzles	300-500	\$16	\$0.1/hour
Focus Lens	400-500	\$370	\$0.8/hour
Ceramic Rings	3000-4000	\$140	\$0.035/hour
Filters	720	\$5	\$0.01/hour
Total	/	/	\$1.045/hour

Noted: The above cost is just for reference, and the final price will be adjusted according to the actual situation of regional electricity charges and the specific usage of machine.

SERVICE:

NAMCOR LASER adheres to providing complete installation, commissioning, training, maintenance, pre-sales and post-sales services.

1. PRE-SALE SERVICES:

Before signing a contract, NAMCOR LASER provides customers a variety of production technology proposals, technical advice of laser equipment, equipment selections and pricing.

2. SERVICES:

Based on service contract, NAMCOR LASER delivers laser machinery to customer location safely and within the specified time, as well as arrange an engineer to install. Under the basic conditions of installation, engineer will complete the installation and operate machine within 1-2 days and ensure machine is clean and orderly.

We also provide technical training. After the installation and commissioning are complete, the engineer will train at least 5 days at customers location or until the operator can operate machine.

The training is as follows:

TRAINING:

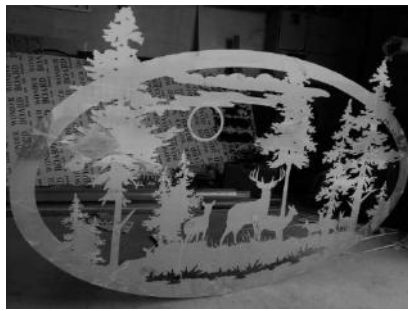
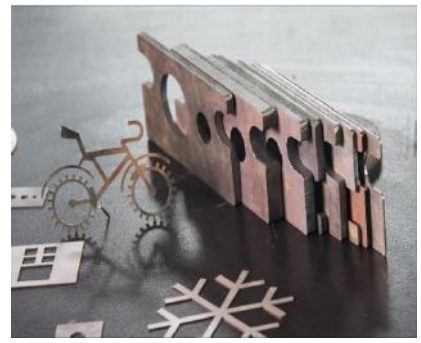
- Operating instructions for turning on and off machine
- Panel and control parameters
- Parameter selection range
- Control software operation
- Basic maintenance and cleaning of the machine
- Dealing with common hardware issues
- Technical support related to producing products

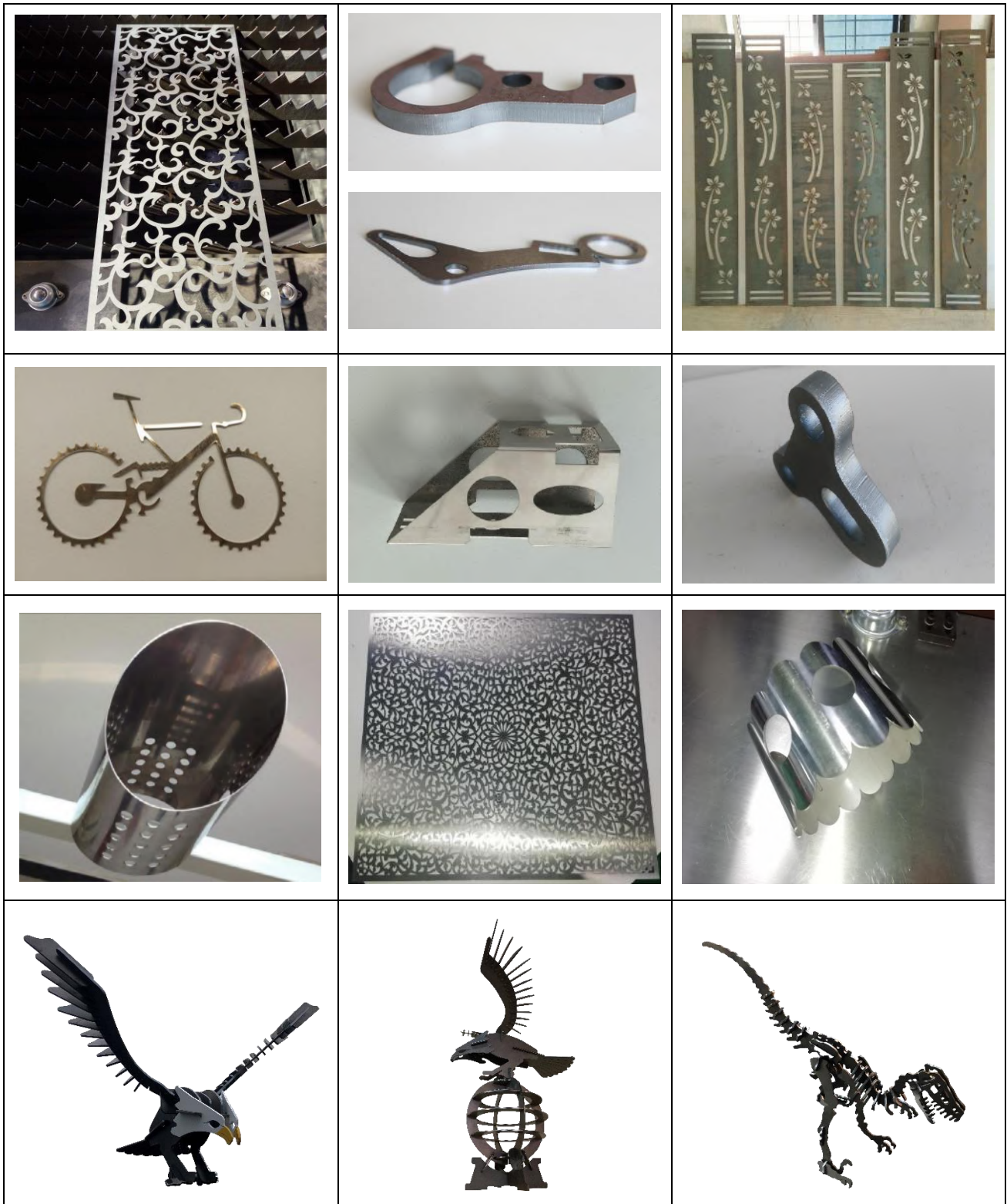
3. POST-SALE SERVICES:

1. Two-year warranty.
2. Customer service feedback within 12 hours.
3. Offer a wide range of hardware and software support after warranty expires.



CUTTING SAMPLES:





NAMCOR

www.namcorlaser.com

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NAMCOR
Lightning
 Fibre LASERS
Let there be light