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Deal In: Co2 Laser Cutting And Engraving Machine, Fiber Metal Sheet Laser Cutting Machine, Fiber Metal Marketing, Co2 Galvo Machine, Cnc Router, Laser Welding & CNC Press Brake

ABOUT M TECH LASER

Started in the year of 2006, we "Mtech Laser India Pvt. Ltd." established ourselves as a prominent organization of the market in wholesale trading and importing and exporting a wide array of Engraving Machine. Under our quality approved the collection of products we are Laser Engraving Machine, Laser Cutting Machine, and CNC Router. Offered products are manufactured from high-grade components using industry norms and standards. Our offered products are highly admired by the customers for their easy to use, high performance, robust construction, light weight, and longer service life. Apart from this, one can avail these products at pocket-friendly rates within the limited period of time.

We have constructed a highly advanced and well-equipped infrastructure unit. Our manufacturing unit is equipped with all the required products and tools. For the streamlined execution of our business operation, we have separated this infrastructure unit into various functional divisions such as warehousing, and R&D. We are able to deliver the products on time and safely at client end with the help of well-connected distribution network.

Under the direction of our mentor "Mr. Gaurav Vyas" & "Mr. Ramesh Prajapati" we are able to create such a commendable rich in the market. Owing to his experience and deep knowledge, we are increasing our reach across the nation.



OUR TEAM

We are backed by a talented team of professionals that makes every possible effort to meet the high expectations of our valued clients. They make sure that all the offered machines are in compliance with industry standards of quality and then dispatch at the customers end within the committed time frame.

Why Us?

With years of experience in this industry, we know what our customers are looking for. There are a lot of reasons that gives us a competitive edge over the other organization. Our offered machines are highly admired by the customers for their high performance and excellent finishing standards.

M TECH LASER DEVLOPMENT HISTORY





2006

Beginning in The Laser Industry Since 2006.



2009

New Generation Co2 laser machine came into being Technical innovation moves to the fastlane



2012

Research and Develop Cnc Router



2015

Fiber laser cutting machine and laser welding machine came



2018

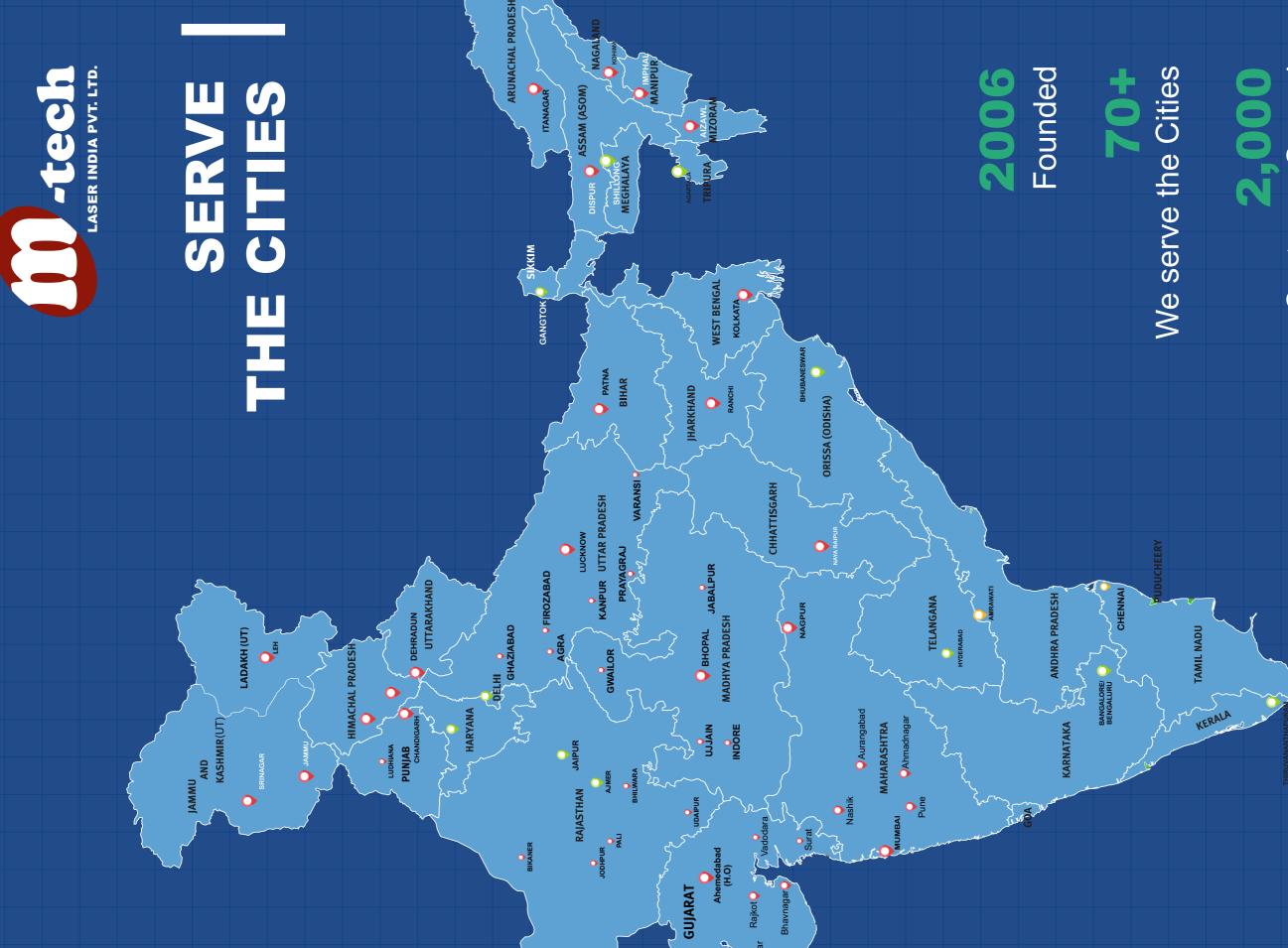
We Are Shifted to New Corporate Office Since 2018.



2021

We are well Established in 2021, Powerfull and well experienced team, 2000+ customers relation bonding





Customer Served



OPEN TYPE FIBER LASER CUTTING MACHINE

H series fiber laser cutting machine adopts imported servo motor and gear rack, which effectively ensures the processing speed and accuracy of the machine. It is an economical and practical fiber laser cutting equipment with superior price and stable performance.



PRODUCT FEATURES

Excellent beam quality, small focus spot, higher working efficiency and better processing

It adopts traditional and stable gantry structure, high-strength one-piece aluminum alloy beam, combined with excellent heat treatment and machining technology to ensure long-term stability:

The whole machine adopts imported servo motor, high-density molding machine dual drive rack and pinion transmission

system to ensure the accuracy and processing efficiency requirements in the cutting process; Mature processing system, convenient operation interface, real-time feedback of processing status to ensure orderly

MODEL	MT -F1530H	MT-F1545H	MT-F2040H	MT-F2060H
Cutting	1500*3000mm	1500*4500mm	2000*4000mm	2000*6000mm
Laser power		1000w-4	000w	
Linkage speed		120m/r	nin	
Acceleration		1.5G		
Positional accura	acy	± 0.03 r	mm	
Re-Positional ac	curacy	± 0.02 r	mm	

APPLIED MATERIAL

It specializes in cutting 0.5-30mm carbon steel, 0.5-14mm stainless steel, galvanized and electrolytic plates, 6mm aluminum alloy, 0.5-10mm brass and red copper ect.











OPEN TYPE WITH EXCHANGE TABLE FIBER LASER CUTTING MACHINE

E series is widely used in sheet metal processing, kitchen appliances, chassis cabinets, lighting advertising, electrical equipment, auto parts, mechanical parts, medical microelectronics and other industries



PRODUCT FEATURES

Adopt high-strength welded bed, high temperature annealing to relieve stress, to ensure that it will not be deformed after long-term use:

Parallel exchange table, faster speed, saving time for loading and unloading;

The whole set adopts imported servo transmission system to ensure higher accuracy, faster speed and more stable operation;

Ultra-low cost, lower energy consumption, various of metal sheets can be cut with air/O₂/N₂

Control system is easy operation and easy to learn, more comprehensive compatibility, more flexible and efficient processing

MODEL	MT-F1530E	MT-F2040E	MT-F2060E
Cutting range	1500*3000mm	2000*4000mm	2000*6000mm
Laser power		1000w-4000w	
Linkage speed		140m/min	
Acceleration		1.5G	
Positional Accuracy		± 0.03 mm	
Re-positional Accurac	СУ	± 0.02 mm	
Pallet exchange time	155	25S	30S











OPEN TYPE PLATES & PIPES FIBER LASER CUTTING MACHINE

HT series products are mainly for customers who have both steel sheet and tube cutting needs. The sheet and tube cutting can be switched flexibly. It is a Multifunction economical and practical laser cutting equipment.

COST EFFECTIVE MORE EFFICIENT EASY MAINTENANCE



PRODUCT FEATURES

Dual-drive gantry architecture integrated style cast aluminum alloy beam, Combine excellent heat treatment technology and machining process technology, Ensure machine rigidity and long-term stable use

Integrated connection of main bed and auxiliary bed, Free and flexible switching of sheet and tube cutting. Can satisfy customers' steel sheet and pipe cutting needs to the greatest extent.

Imported servo motor drives precision rack and pinion transmission, Effectively ensure the cutting accuracy and cutting efficiency of the whole machine.

The tube cutting part can realize 6-meter tube cutting and 3-meter tube cutting.

MODEL	MT-F1530HT	MT-F1545HT	MT-F2040HT	MT-F2060HT		
Cutting range	1500*3000mm	1500*4500mm	2000*4000mm	2000*6000mm		
Laser power	Laser power 1000w-4000w					
Linkage speed	Linkage speed 120m/min					
Acceleration	Acceleration 1.5G					
Clamping Range 20-220 mm						
Processing leng	th of the pipe	3M / 6	5M			
Max load of pipe	2	200kg (< 3	0kg/m)			

APPLIED MATERIAL

It specializes in cutting 0.5-30mm carbon steel, 0.5-14 mm stainless steel, galvanized and electrolytic plates, 6mm aluminum alloy, 0.5-10mm brass and red copper ect.











FULLY ENCLOSED WITH EXCHANGE TABLE FIBER LASER CUTTING MACHINE

INTERNATIONAL STANDARD

Safety and quality in parallel

MEDIUM-HIGH POWER

Low power-consumption and high

MODEL	MT -F1530G	MT-F2040G	MT-F2060G	MT-F2560G	MT-F2580G
Cutting range	1500*3000mm	2000*4000mm	2000*6000mm	2500*6000mm	2500*8000mm
Laser power		/-6000W			
Linkage speed		140	m/min		
Acceleration		2.0G			
Positional accu	racy	± 0.03mm			
Re-Positional a	ccuracy	± 0	.02mm		
Pallet exchange	e time 25s	30s	35s	40s	45s
Voltage		380V/5	50HZ/3phase		

PRODUCT FEATURES

Plate welded machine bed, processed with high temperature annealing and destressing to guarantee no deformation during transportation and using

Imported controller and servo motor, professional laser cutting system, flexible operation

Operation system offer rich and friendly human-computer interaction interface. it is a bridge between machine and operator.

Machine use Raycus / IPG laser source, longer lifetime more then 100,000 hours, high precision and stable performance:

The beam is finished by artificial aging and solution treatment, so that the beam hardness can reach T6, and it has the characteristics of corrosion resistance, oxidation resistance, toughness and ductility. It is light in weight, convenient for high-speed movement during processing, and at the same time has the characteristics of high flexibility, which can greatly improve the processing accuracy when the accuracy is met.

Super low cost, lower consumption. Compressed air as auxiliary gas to cut all metals













PLATES & PIPES FIBER LASER CUTTING MACHINE

GT series products mainly face customers who have both sheet metal demand and pipe cutting demand.

Flexible switching of plate and tube cutting is a multifunctional economical and practical laser cutting machine.

MULTIFUNCTIONAL ECO-FRIENDLY COST-EFFECTIVE



PRODUCT FEATURES

Plate welded machine bed, processed with high temperature annealing and destressing to guarantee no deformation during transportation and using

Imported controller and servo motor, professional laser cutting system, flexible operation

Operation system offer rich and friendly human-computer interaction interface. it is a bridge between machine and operator.

Machine use Raycus / IPG laser source, longer lifetime more then 100,000 hours, high precision and stable performance:

The beam is finished by artificial aging and solution treatment, so that the beam hardness can reach T6, and it has the characteristics of corrosion resistance, oxidation resistance, toughness and ductility. It is light in weight, convenient for high-speed movement during processing, and at the same time has the characteristics of high flexibility, which can greatly improve the processing accuracy when the accuracy is met.

Super low cost, lower consumption. Compressed air as auxiliary gas to cut all metals

MODEL	MT-F1530GT
Cutting range	1500X3000MM
Laser power	1000W-6000W
Linkage speed	140M/MIN
Acceleration	1.5G
Clamping Range	20-215MM
Processing Length of the pipe	3M/6M
Oversize (mm)	8220 X 3750 X 2170











TUBE FIBER LASER CUTTING MACHINE

MODEL	MT-F60023T		MT-F60035T
Length of tube		6M / 9.2 M	
Laser power		1000W - 3000W	
Maximum rotating speed of c	hucks	140r / Min	
Maximum feeding speed of c	huck axis	120m / min	
Acceleration		1.2 G	
Clamping range	20-230 mm		20-350mm
Positioning accuracy		± 0.03mm	
Re-Positioning accuracy		± 0.02mm	

PRODUCT FEATURES

Automatic chucks realize stable and reliable clamp ability via adjustment of air pressure, low rotating inertia, strong dynamic performance;

Automatic supervision on gantry and cutting area, collaborating fixed limit, improve safety of machine and operator;

Intelligent nesting function, intelligent border searching function, and auto positioning, improve utilization rate of plate

Abnormal alarm during operation of machine, supply better human experience to user.

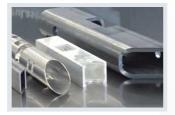


CUTTING SAMPLE









APPLIED MATERIAL

Carbon steel tube, stainless steel tube, silicon steel or aluminum alloy and other metal tubes.



CNC HYDRAULIC PRESS BRAKE MACHINE



No.	Name	Unit	125T/3200
1	Bending Pressure	KN	1250
2	Bending Length (A)	mm	3200
3	Column Distance (B)	mm	2700
4	Throat Depth(D)	mm	400
5	Slider Stroke(C)	mm	200
6	Max Opening Height(E)	mm	420
7	Y1,Y2-Axis Downward Speed	mm / sec	150
8	Y1,Y2-axis Back Stroke Speed	mm / sec	150
9	Y1,Y2-Axis Precision	mm/m	0.01
10	X-Axis Max Distance	mm	500
11	Workpiece Linearity	mm/m	≥ 0.3
12	Backgauge Precision	mm/m	0.05mm
13	Sliding Front Supporting Arms	Pcs	2
14	Back stopper	Pcs	3
15	V-Axis Crowning Method (Anti- deflection)	-	Mechanical Crowning
16	CNC Control Axes	3+1 Axes	Y1+Y2+X+V Crowning
17	Main Motor Power	Kw	11
18	CNC System	-	DA58T
19	Length* Width* Height	mm	3500*1580*2400
20	Weight	Т	9.5

STANDARD CONFIGURATION LIST:

No.	Name	Model/Manufacturer	Others		
1-	CNC System	■DA58T Controller - Holland DELEM			
2-	Electrics	Schneider - France	Travel switch & Limit Switch		
3-	Main Motor	Siemens -Gerr	many/wannan-china		
4-	Back Stopper, Timing Belt, Timing Pulley	Taiwan	Positioning Control Guaranteed Precision		
5-	Servo Motor	Estun	Positioning ControlGuaranteed Precision		
6-	Servo Drive	Estun	Positioning ControlGuaranteed Precision		
7-	Pedal Switch	Standard			
8-	Hydraulic System	Bosch Rexroth - Germany			
9-	Sealing Ring	MERKEL - Germany			
10-	Oil Tube Connector	EMB -	- Germany		
11-	Front Safeguard	Produced	d by M-tech		
12-	Back Safeguard	Produced	d by M-tech		
13-	Die	One Set o	f standard Dies		
14-	Backgauge	Ball Screw and Polished Rod, Linear Guide Rail-Taiwan, HIWIN			
15-	Clamp	Quick Clamp			
16-	Deflection Crowning	Mechanical Crowning			
17-	Grating Ruler	FAGO	DR - Spain		

FEATURES:

- The Machine Welding Is Made By Welding Aparatus And Welding Robots.
- After The Welding, We Make Stress Relief Process By Vibration System.
- After The Stress Relief Process Machine Frame Goes To Cnc 5 Axes Machining Centers For Accuracy.
- All Reference Surfaces And Connection Holesare Machined.
- By All This Processes Machine Frame Sensivity Is Protected For A Long Life Time.



HANDHELD FIBER LASER WELDING MACHINE



Zero WELDING GAP

Mo DEFORMATION

Uniform welding with stable laser output Power density with laser focus. Fast speed, deep penetration, little deformation. 360° all-round angle micro welding



PRODUCT FEATURES

The laser welding speed is fast and the efficiency is high, which is 3-6 times higher than that of WIG:

Good quality and uniform width of weld, beautiful appearance of weld;

Stable, cost-effective, stable and more cost-saving systems in mass production:

Easy to operate and quick to use.

MODEL	1000W	1500W	2000W
Conduction type		fiber laser	
Laser Frequency (KHZ)		50-20000 KHZ	
Cooling Method		Water Chiller	
Total power	7.5 KW (including water chiller)	8.5 KW (including water chiller)	11KW (including water chiller)
Fiber cable length		10 m	
Electricity requirements	Single phase 220 v ± 10%50/60 hz AC	Single phase 220 v ± 10%50/60 hz AC	Three phases 380 v±10 percent 50/60 hz AC
Welding mode		Point mode or circular mode	
Filler wire dia		0.3-1.2 mm	
Welding penetration	3mm	4mm	5mm
Welding thickness	5mm	6mm	7mm
Working temperature		10°C-40°C	

WELDING SAMPLE



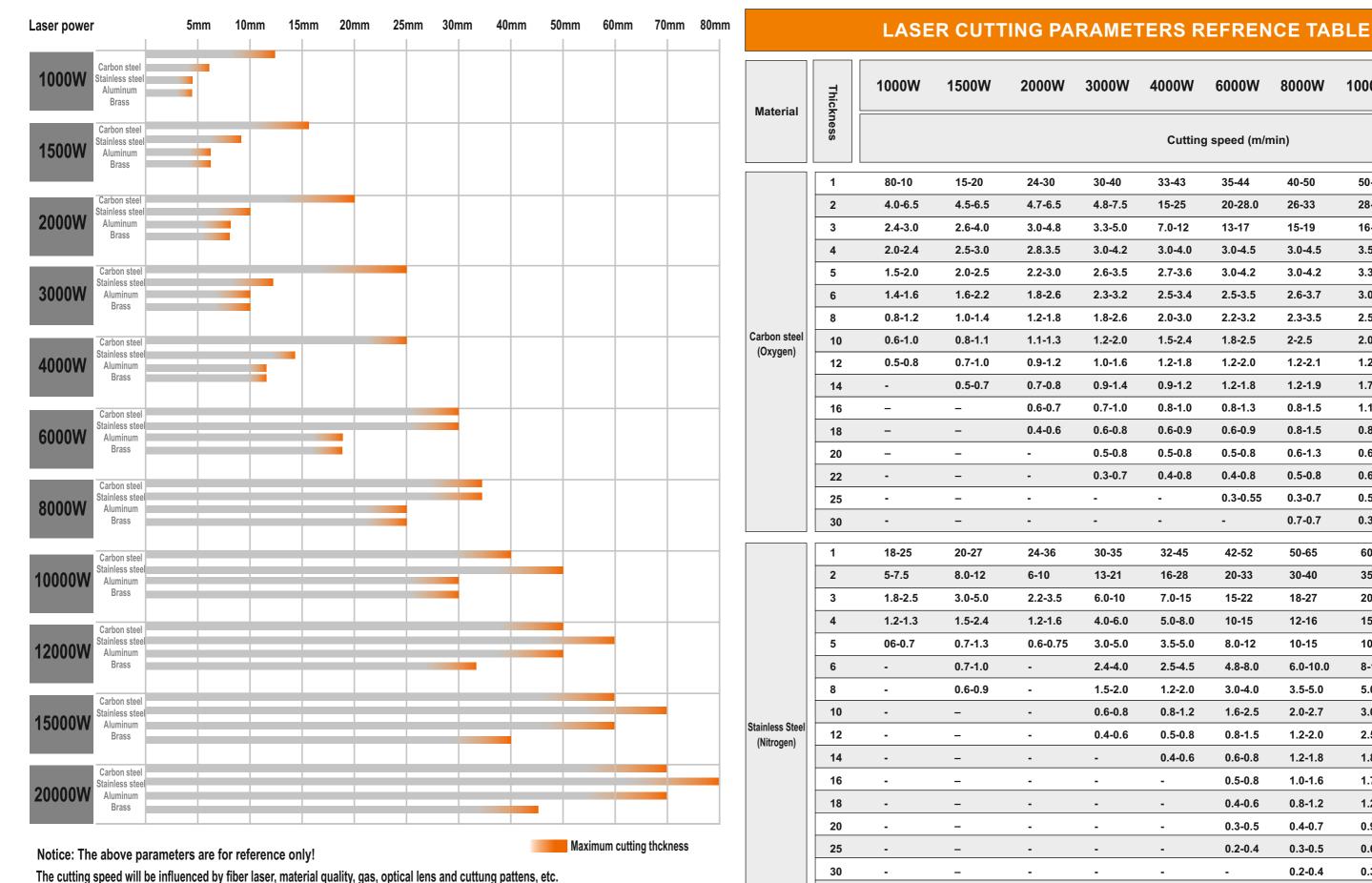






CUTTING ABILITY REFERENCE TABLE

Actual process parameters will vary according to the situation at site.



24-30 30-40 33-43 35-44 40-50 50-70 60-75 4.7-6.5 4.8-7.5 15-25 20-28.0 26-33 28-35 28-40 3.0-4.8 3.3-5.0 7.0-12 13-17 15-19 16-25 16-30 2.8.3.5 3.0-4.2 3.0-4.5 3.5-5.5 3.5-5.5 3.0-4.0 3.0-4.5 2.2-3.0 2.6-3.5 2.7-3.6 3.0-4.2 3.0-4.2 3.3-4.0 3.3-4.8 1.8-2.6 2.3-3.2 2.5-3.4 2.5-3.5 2.6-3.7 3.0-4.0 3.0-4.2 1.2-1.8 1.8-2.6 2.0-3.0 2.2-3.2 2.3-3.5 2.5-3.5 2.5-3.5 1.2-2.0 1.1-1.3 1.5-2.4 1.8-2.5 2-2.5 2.0-2.7 2.2-.2.7 0.9-1.2 1.0-1.6 1.2-1.8 1.2-2.0 1.2-2.1 1.2-2.1 1.2-2.1 0.7-0.8 0.9-1.4 0.9-1.2 1.2-1.8 1.2-1.9 1.7-1.9 1.7-1.9 0.6-0.7 0.7-1.0 0.8-1.0 0.8-1.3 0.8-1.5 1.1-1.7 1.2-1.7 0.4-0.6 0.6-0.8 0.6-0.9 0.6-0.9 0.8-1.5 0.8-1.6 1.0.-1.8 0.5-0.8 0.5-0.8 0.5-0.8 0.6-1.3 0.6-1.4 0.6-1.5 0.6-1.4 0.3-0.7 0.4-0.8 0.4-0.8 0.5-0.8 0.5-1.5 0.3-0.55 0.3-0.7 0.5-1.0 0.7-1.1 0.7-0.7 0.3-0.8 0.3-0.9 24-36 30-35 32-45 42-52 50-65 60-72 70-85 6-10 13-21 16-28 20-33 30-40 35-45 40-66 2.2-3.5 6.0-10 7.0-15 15-22 18-27 20-30 1.2-1.6 4.0-6.0 5.0-8.0 10-15 12-16 15-22 20-32 0.6-0.75 3.0-5.0 3.5-5.0 8.0-12 10-15 10-18 18-25 4.8-8.0 6.0-10.0 2.4-4.0 2.5-4.5 8-12 12-15 5.0-7.5 1.5-2.0 1.2-2.0 3.0-4.0 3.5-5.0 8-12 0.6-0.8 0.8-1.2 1.6-2.5 2.0-2.7 3.0-7.0 6.0-8.0 0.4-0.6 0.5-0.8 0.8-1.5 1.2-2.0 2.5-3.9 4.0-5.5 0.4-0.6 0.6-0.8 1.2-1.8 1.8-2.8 3.0-5.0 0.5-0.8 1.0-1.6 1.7-2.3 2.2-2.8 0.8-1.2 0.4-0.6 1.2-1.8 1.2-2.0 0.3-0.5 0.4-0.7 0.9-1.5 1.0-1.6 0.2-0.4 0.3-0.5 0.6-0.7 0.5-0.8 0.2-0.4 0.3-0.6 0.3-0.6

40

50

12000W

3000W

4000W

6000W

Cutting speed (m/min)

8000W

10000W

0.3-0.5

0.3-0.5

0.2-0.4

LASER CUTTING PARAMETERS REFRENCE TABLE

COMPANY CERTIFIED WITH

Material	Thickness	2000W	3000W	4000W	6000W	8000W 12000W	15000W	
	ness	Cutting speed (m/min)						
	1	15-25	25-38	35-45	42-55	48-65	60-85	70-100
	2	7-10	10-18	13-24	20-40	25-48	38-50	40-55
	3	4.0-6.0	6.5-8.0	7.0-13	15-25	20-33	30-40	35-45
	4	2.0-3.0	3.5-5.0	4.0-5.5	9.5-12	13-18	20-30	30-40
	5	1.2-1.8	2.5-3.5	3.0-4.5	5.0-8.0	9.0-12	15-25	20-30
	6	0.7-1.0	1.5-2.5	2.0-3.5	3.8-5.0	4.5-8.0	10-15	15-24
	8	0.6-0.8	0.7-1.0	0.9-1.6	2.0-2.5	4.0-5.5	7.0-12	8.0-12.0
Aluminum (nitrogen)	10	1.1-1.3	0.4-0.7	0.6-1.2	1.0-1.5	2.2-3.0	4.5-8.0	6.0-10.0
(IIIII OgeII)	12	-	_	0.4-0.6	0.8-1.0	1.5-1.8	4.0-5.0	4.0-6.0
	16	-		-	0.5-0.8	1.0-1.6	1.5-2.5	2.0-3.0
	20	-	_	-	-	0.7-1.0	0.9-1.5	1.3-1.8
	25	-	-	-	-	0.4-0.7	0.6-0.9	0.6-1.2
	30	-	-	-	-	-	0.3-0.8	0.5-1.0
	40	-	-	-	-	-	0.2-0.4	0.2-0.5
	50	-	-	-	-	-	0.1-0.2	0.3-0.7
	60	-	-	-	-	-	-	0.2-0.5
	1	10-16	20-35	25-35	35-45	40-55	55-65	75-85
	2	5.0-6.0	6.0-10	8.0-12	20-30	28-40	38-50	40-55
	3	2.5-4.0	4.0-6.0	5.0-8.0	12-18	23-30	20-30	32-50
	4	2.5-3.0	3.0-5.0	3.2-5.5	5.0-8.0	10-15	15-20	27-35
	5	0.9-1.2	1.5-2.0	2.0-3.0	4.5-6.0	6.0-9.0	10-15	18-26
	6	0.4-0.7	1.0-1.8	1.4-2.0	3.0-4.5	4.5-6.5	6.0-8.0	10-18
	8	0.3-0.5	0.5-0.7	0.7-1.2	1.6-2.2	2.4-4.0	5.0-7.0	8.0-10.0
	10	-	0.3-0.5	0.5-1.0	0.8-1.2	1.5-2.2	4.5-6.5	5.0-7.0
Brass (Nitrogen)	12	-	-	0.3-0.8	0.3-0.5	0.8-1.2	2.4-4.0	2.8-4.2
(14	-	-	-	0.3-0.4	0.4-0.6	0.8-1.5	1.0-1.8
	16	-	-	-	0.2-0.3	0.3-0.5	0.6-1.2	0.8-1.5
	18	-	-	-	-	0.3-0.4	0.4-0.6	0.6-0.8
	20	-	-	-	-	0.2-0.3	0.3-0.5	0.4-0.6
	25	-	-	-	-	-	0.3-0.4	0.3-0.5



