

V1530A-2000W

IPG LASER CUTTING MACHINE

No. 23A071305-5



(the photo only to be for reference)

Specifications-Machine body:

ITEM	V3015A
Cutting range (X-axis, Y-axis)	3000mmX1500mm
X/Y/Z-axis stroke	3050mm/1550mm/120mm
X/Y-axis positioning accuracy	± 0.03mm/m
X/Y-axis repeat-ability	± 0.02mm/m
Positioning speed	120m/min
Max acceleration	1.0 g
Total weight	3200kg
Loading weight	200kg/m ²

Machine outer dimensions (L x W)	4000mmX5000mm
IP level	IP21
Control system	CypCut

Specifications-Laser generator:

Model	YLR-2000-U
Model of Operation	CW/Modulated
Wavelength Range	1060-1080nm
Beam Quality	1.1Typ.M ²
Modulation Frequency	50kHz
Max. Average Power	2000w
Power Tunability	10-100%
Power Stability	± 0.5%
Output Fiber Length	5 (10 option)m
Supply Voltage	400-480VAC
Size (W*D*H)	430x808x568mm
Weight	130kg
Wall-pug Efficiency	40%

Specifications-Cutting speed:

Material	Thickness(mm)	Speed(m/min)
S.S Nitrogen N2	2	10.0-15.0
	3	5.0-7.0

	4	3.5-4.5	
	5	1.8-2.8	
	6	0.7-0.8	
	8	0.5-0.6	
Material	Thickness(mm)	Speed(m/min)	
Aluminum Nitrogen N2	1	10.0-15.0	
	2	5.0-6.7	
	3	3.5-5.0	
	4	2.0-3.5	
	6	0.8-1.5*	
Brass Nitrogen N2	1	5.0-7.0	
	2	3.5-5.0	
	3	2.0-4.0	
	4	1.5-1.8	
	5	0.8-1.2*	
Material	Thickness(mm)	Speed(m/min)	
Carbon steel(M.S) Oxygen (O2) or air/Nitrogen	Gas	O2	AIR/N2
	1	8.0-12.0	18.0-28.0
	2	5.0-6.5	8.0-12.0
	3	3.0-4.6	/
	4	2.8-4.0	/
	6	2.2-3.2	/
	8	1.8-2.5	/

	10	1.2-1.8	/
	12	1.0-1.4	/
	16	0.8-1.0	/
	20	0.5-0.6*	/

Machine construction:

CNC fiber laser cutting machine for metal plate has advantages:

Good Working stability, high frequency interfere effectively plasma, lightweight portable;


Cutting has high quality, high effect level, high precision;





Economic benefits, the structure and design is contracted. it adopts humanistic positive man-machine conversation and operate easily;


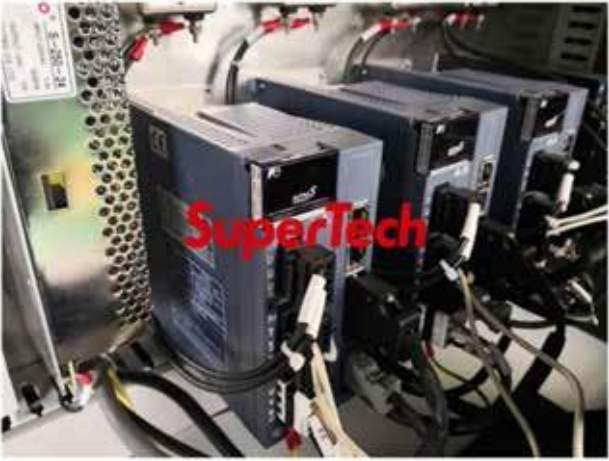


Programmable cutting arbitrary shape parts of line and arc;

Dynamic and static graphic display, easy to learn. Can convert CAD file to program file in computer, through USB flash drive transmits to machine to realize cutting all kinds graphs. And also can program and operate directly on the machine.





Machine configuration:

Laser Source	IPG	
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<p>Cutting head</p>	<p>WSX</p>	
<p>Consumable in head</p>	<p>Glass</p>	
<p>Water Cooling</p>	<p>HanLi</p>	
<p>Operation system</p>	<p>Cypcut</p>	

<p>Servo motor</p>	<p>Fuji</p>	
<p>Servo driver</p>	<p>Fuji/Alpha</p>	
<p>Reducer</p>	<p>Humfry</p>	
<p>Linear Guide</p>	<p>Hiwin</p>	

<p>Height Controller</p>	<p>Cypcut</p>	
<p>High Pressure Trachea</p>	<p>SAM</p>	
<p>Lift module</p>	<p>group</p>	
<p>Remote Control</p>	<p>Cypcut</p>	

<p>Dedusting channel</p>	<p>Reserved</p>	
<p>Electrical part</p>	<p>Schneider/Siemens</p>	
<p>Lubrication</p>	<p>Automatic</p>	
<p>Voltage stabilizer</p>	<p>Feixiangda</p>	

Optional configuration:

S&A water cooling		Raytools head	
Kotec reducer		Alpha reducer	
Shimpo reducer		Gambini rack	
Full cover		Exchange table	
Pipe cutting		Air compressor with tank	
Air compressor B		De-dusting device	
Raycus power		Max power	