



GOLDTECHTM
DIGITAL INKJET & UV PRINTERS



Goldtech Graphics Pvt. Ltd.

**QUOTE FOR 1500W FIBER LASER
CUTTING MACHINE Signcut-3015A**

Category	Technical Parameter
Model Name	Signcut-301 5A
Working area	1500mm*3000mm 1500W
Laser power	RAYCUS/MAX 1550mm
X-axis Travel Distance	3050mm 100mm Open Type
Y-axis Travel Distance	Single bed
Z-axis Travel Distance	120m/min 1.5G
Form of working plate	0.03mm
Fastest positioning speed (XY linkage)	0.02mm
Biggest acceleration	< 75db
XY axis positioning accuracy	380V ±5% 50Hz Three-phase
XY axis repeatability	16 KVA/32A
Machine noise	
Operating Voltage	
Overall power distribution	



TECHNICAL SPECIFICATION

SR.	NAME	MANUFACTURER	MODEL NAME
1.	Professional Laser source	RAYCUS/MAX	1500W
2.	Fiber Auto Focusing Laser Cutting Head	Switzerland	Raytools BM110 E Heavy
3.	Machine Bed Structure	SELF MAKING	Duty PIPE & PLATE Steel
4.	Third Generation Aviation Gantry	Steel Gantry	Heavy Duty CYPCUT /
5.	Controller & Software system	CypCut/Raytools	AHEAD
6.	AC Servo Motor and Drive	Imported	PANASONIC/YASKAWA
7.	Speed Reducer	Imported	THX YYC
8.	Precision X/Y/Z Gear & Rack	Taiwan	Hiwin 20MM SMC
9.	Precision Guide Rail X/Y/Z 20mm (H Class)	Taiwan	S&A/ CNDF
10.	Pneumatic Control Valve system	Japan	Schneider
11.	Dual - Temperature Water cooling System	Imported	19" LCD
12.	Electrical Components	France	GOLDTECH
13.	Industrial Personal Computer	Imported	Automatic Lubrication
14.	Smoke emission system	Blower	
15.	Auto Lubrication System	Imported	

CONSUMABLE PARTS

CERAMIC RING



NOZZLE



PROTECTION LENS



CONFIGURATION



Taiwan, YYC Guide Rail, Rack. Strict photoelectric auto-collimation testing. Providing rigorous support for quenching helical gears and grinding helical gears, so that the load drive structure is compact, can effectively reduce the driving torque, precision within 0.03mm



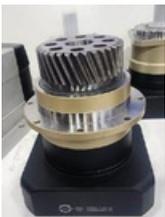
Software limit switches & Rubber limit. Preset space and soft pounding buffers and rubber buffer design. Effective avoid high velocity impact.



Automatic lubrication system. Timing oil injection, lubricate rack and pinion, guide rails, make sure machine running smooth.



High power exhaust fan system. High power exhaust fan offer strong suction force, could remove dust real time.



Germany EREFAT Speed Reducer. High output torque with small rotation clearance; PCS-2 standard configuration, efficiency up to 98 %; High gear machining accuracy;



X/Y/Z axis PANASONIC/YASKAWA Servo Motor. High speed, high precision, high reliability, high power; Gantry double drive mechanism has high damping coefficient, good rigidity, could withstand high speed and high acceleration.



Dual-temperature cooling system. Real time display current water temperature; Unique dual-water path design, one for laser source cooling, another for cutting head cooling efficient assist machine running;



Auxiliary Gas Control and Supply System. Can change O2 Gas in Software with SMS Valve/Awantic USA



POWER CONSUMPTION CHART

Item	1.5kW			2kW			3kW			4kW			6kW			
	Air	O2	N2	Air	O2	N2	Air	O2	N2	Air	O2	N2	Air	O2	N2	
Peak power consumption	Laser source(kW)	5			6			10			16			16		
	Chiller(kW)	3			3			3			6			6		
	Air compressor(kW)	15	/	/	15	/	/	15	/	/	15	/	/	15	/	/
	Machine tool host (kW)	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	Dust removal (kW)	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
Total power(kW)	38.5	23.5	23.5	39.5	24.5	24.5	43.5	28.5	28.5	52.5	37.5	37.5	52.5	37.5	37.5	
Total power consumption (kW/H)	23.1	14.1	14.1	23.7	14.7	14.7	26.1	17.1	17.1	31.5	22.5	22.5	31.5	22.5	22.5	

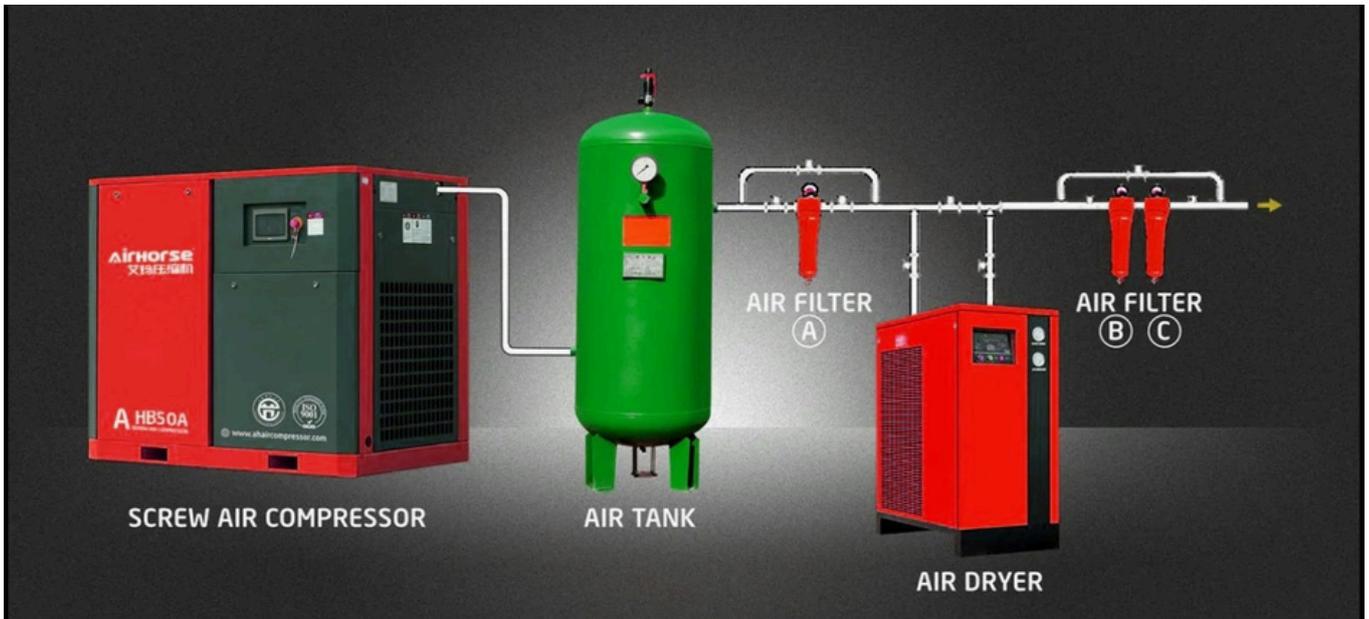
CUTTING THICKNESS UPTO

Material/Source W	1500w*	3000w*	6000w*	Gas/Air
Stainless Steel/S.S.	5mm*	8mm*	12mm*	N2/Air
Mild Steel/M.S./C.S.	10mm	16mm	24mm	O2
Brass	*	*	*	N2/Air
Alluminium	4mm*	6mm*	8mm*	N2/Air
Cooper	4mm*	6mm*	8mm*	N2/Air

*you check how many kw Laser Source you required. *Finish Cutting may vary from above thickness.

4mm* 6mm* 8mm*

SCREW COMPRESSOR WITH DRYER



Air Screw Compressor with Dryer with Air Filtration Diagram .

Need to cut with Air, then need to best air compressor who generate pure air without oil, grease, moisture, etc., if you need to cut from air then you need to choose right product otherwise effect on cutting and maybe damages Laser Head, so our company provide full guidance for which product you should use.

ONLINE UPS 30KVA with Battery



Online UPS 20KVA .

1500w Fiber Laser Machine need 20kva
Online UPS with 30 SMF Battery, you can choose how many backup you need for running machine
Goldtech also suggest for which one is better for you.

TERMS & CONDITION

- Freight: EXTRA (UNLOADING CUSTOMER SCOPE)
- PI Validity: 1 month
- Delivery Time: 25 Days
- Order cancellations: Order once placed, cannot be cancelled due to any circumstances.
- Refund Policy: Once the advance is given by order it has been proceed than it cannot be refunded and Advance will forfeited if machine not taken.

Customer will be responsible for: -

- Laser source, Chiller, UPS and Batteries / Isolated Servo Stabilizer should be kept in clean and Dustproof an Air-conditioning Environment.
- Electricity, Water (25 Ltr), Earth connection, online UPS / Isolated Servo Stabilizer as per engineer guideline. Provision of clear covered site to ensure its readiness before arrival of machine.
- Space for storage of material / equipment required for working and installation of machine etc. Gas: High Purity oxygen (for carbon steel) or nitrogen (for stainless steel), and the pressure shall be not less than 1.6MPA (Oxygen: 1.MPA, purity: 99.95%; Nitrogen: 2.0MPA, purity: 99.995%)
- Metal plate: 1mm and 2mm carbon steel plate or stainless steel plate (or the materials you want to cut) Fourthly, Staff Requirements One electrician and one or two operators. If there is an unknown place, Please contact our company service person.
- Control Panel AC including.
- O2 & N2 Gas Cylinders along with suitable regulators

Installation & Commissioning: -

- Training program at your premises
- Introduction of the cutting system
- Description of various function Operation of the cutting system
- Security Aspects
- Trouble shooting & Maintenance

Training: -

- Under the basic conditions of installation machine, engineer will complete the installation and commissioning machine within 1-2 days forth user, and ensure neat, clean and Orderly.



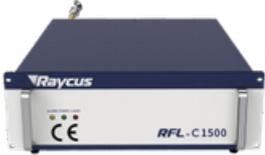
- We provide technical training. After the installation and commissioning completed, engineer will service buyer operator at least 4 days at buyer place or at seller factory until the operator can operate machine.

Warranty

1) The warranty of laser source is 2 years. (Except optical yellow wire and lance & QBH)

The warranty of the machine is 01 year (main spare parts) , except for the consumable parts such as ceramic ring, focus lens, nozzle etc. Warranty counts from the date of invoice.

CONFIGURATION



Raycus Laser Source . 40,000 hours life span; Stable and cost-efficient; Remote networking diagnosis system; Free maintenance; High quality laser beam output.



Raytools Auto-focusing Cutting Head. Automatic focal point adjustment; The adjustment of focal length can be accurate to 0.01mm, focus range 1.0-9.0; IP65 Dust-proof grade; Real time protective lens monitoring, support internet data monitoring.



Raytool, Ahead Operating System. One stop solution, which can be used for planning, monitoring and controlling the production process; Support basis auto-nesting function; Suitable for kinds of material and thick metal plate cutting.



Height Automatic Adjustment System. Non-contact height following function; Adjusting the focal length precisely and automatically according to the height of metal plate.



Industrial Computer System. Desktop Industrial System with i5 Processor with 550w Power Supply & 256 GB SSD, 19" Monitor with Key board and mouse

