

Model: F1500-A1530

(The new machine for cutting thin metal cutting---Fiber laser tube IPG 1500W from German)



Introduction

- The technology of the new fiber machine 1500-A1530 is based the traditional technology of WORLDCUT CO2 machine. WORLDCUT has sold a lot of CO2 laser machine in all over the world until now and the quality and technology has been proved by the market! Combined with the new technologies developed by WORLDCUT, the fiber machine is more stable and reliable, higher precision, easier to be maintained and lower in running cost!
- Traditional machine structure, stable and reliable
- Ball screw+ servo driving system, high precision
- Easier to be maintained and to operate
- Super-low running cost: IPG 1500W fiber laser tube and only 10KVA/hour for electricity.
- Brand-new numerical control system has the powerful functions such as automatically-setting "start-point", flying cutting and so on...
- High speed: corning acceleration up to 0.8G.

A1530 Main Features

- ⇒Fiber Laser tube (IPG 1500W)
- ⇒Mitsubishi Servo System
- ⇒High precision ball-screw system
- ⇒Professional cutting system of Cypcut
- ⇒Professional cutting head from china
- ⇒Industrial chiller

F1500-A1530 Cutting speed and Cutting thickness

Material	Cutting thickness	Cutting speed (mm/min)	Max cutting thickness	Assistant gas
Stainless steel	1mm	18000	6mm	Nitrogen
	2mm	8000		
	3mm	4000		
	4mm	2500		
Mild steel	1mm	18000	10mm	Oxygen
	2mm	9000		
	3mm	4500		
	4mm	3000		
	5mm	2000		
	6mm	1800		
	8mm	1400		
	10	1		
Aluminum	1mm	15000	4mm	Nitrogen
	2mm	7000		
	3mm	4500		
	4mm	2500		

The cutting speed and thickness will vary because of the different material feature and working condition!

The main configuration of the machine F1500-A1530

Items	Specification	Quantity	Remark
Working area	X-axis: 1500mm/y -axis: 3000mm/z -axis 60mm	One set	Open structure
Fiber laser	1500W	One set	IPG

Gear and rack	Y-axis and X -axis	One Set	Imported from Germany
Lens			Imported from USA
servo system	Mitsubishi	Two sets	Japan
following cutting system	Cypcut	One set	China
Cutting head		One set	China
Chiller		One set	Chinese Industrial chiller
Computer		One set	
exhausted -air system		One set	
Entire machine size	width:2250mm;Length:4700mm; height:1400mm (not including chiller)		Length X width X height
power supply requirement	380V±10%/30A		air-break switch >30A

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