

PHILLIPS FIBER LASER CUTTING MACHINE

Precision, Speed & Efficiency



ABOUT THE PRODUCT

The Phillips Fiber Laser Cutting Machine is a versatile and high-performance solution used across various industries like metal fabrication, aerospace, electronic appliances, home appliances, elevators, automobiles, precision accessories, and craft manufacturing.

KEY FEATURES & BENEFITS

- ◆ Versatile Industry Applications
- ◆ Dual Gear Rack & Dual Servo Motor Drive
- ◆ Superior Cutting Accuracy
- ◆ Advanced Gantry Double-Drive Structure
- ◆ Exceptional Material Compatibility
- ◆ Energy-Efficient & Cost-Effective

PHILLIPS FIBER LASER CUTTING – PLC3015



Photo for reference

PLC

Series code: PLC series

3015

Working area: 3000*1500mm

WORKING PARAMETERS: PLC3015

Working parameter	PLC3015
Working area	1500mm x 3000mm
Laserpower	3000W~6000W
Transmission system	Double rack & pinion and servo drive
Maximum Acceleration Maximum speed	1.4G 80m/min
Positioning accuracy	±0.03mm/1000mm
Repositioning accuracy of clamp	±0.02mm/1000mm
Format	LXD, DXF, PLT, AI, NC etc.
Workingenvironment	0-45°, Humidity ≤ 80%, non-condensing
Equipment power	8KW(not include laser generator and chiller)
Power supply	Three phase 380V/50Hz or 60Hz
Total weight	3000Kg
Overall size	5300mm×2260mm×2100mm

CONFIGURATION

No.	Item	Description	Make
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I. Machine body

1.	Linear guide rail	High precision grade	Hiwin/Equivalent
2.	Rack & pinion	Imported high speed and high precision	YYC/Equivalent
3.	Planetary reducer	Imported high precision	France brand-MOTOREDUCER/ Equivalent
4.	Gantry	Finite element optimization, light weight and high rigidity	Equivalent

II. Laser source

1.	Power	1000W~6000W	
2.	Brand		Max

III. Optical system

1.	Auto focus cutting head	Auto focus	BOCI Auto Focus Head/Equivalent
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IV. Control and drive system

1.	Motion Control System	Professional laser cutting software, operation is very simple	CYPCUT/Equivalent
2.	Motor	X-axis servo motor, X-axis servo motor Z-axis servo motor	France-Schneider/Equivalent
3.	Electrical control system	Electrical components are international brands such as Schneider	France brand/Equivalent
4.	Industrial computer	WINDOWS 10 SYSTEM	

V. Accessory

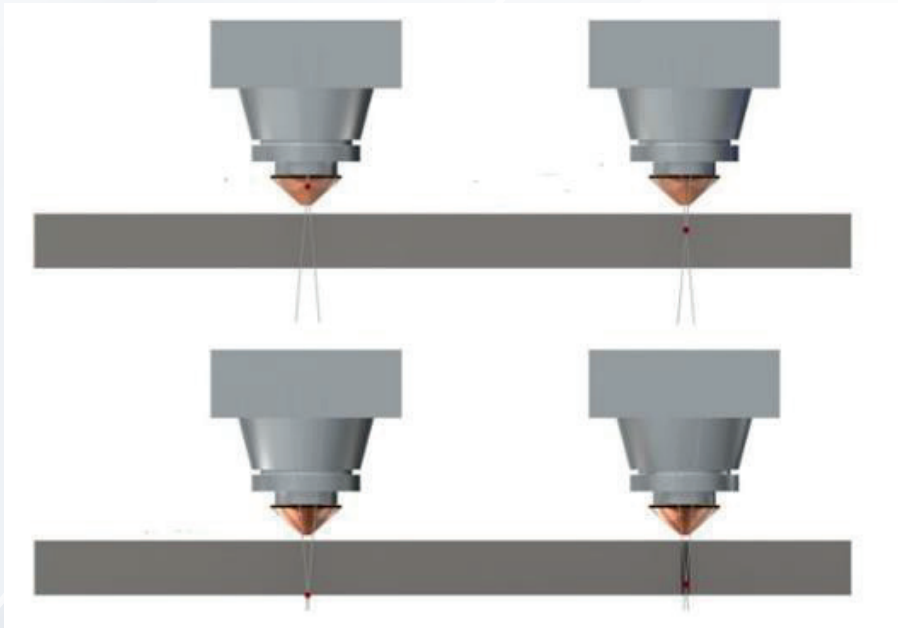
1.	Cooling system	Double circulation system, over temperature alarm, flow protection, water level protection	S&A/Equivalent
2.	Exhaust blower	380V/50Hz or 60Hz/3KW/2900rpm	
3.	Pneumatic components	Pressure regulating filter, solenoid valve, check valve, etc.	Airtac/SMC/Equivalent
4.	Precision electronically controlled proportional valve	0~1MPa	SMC/Equivalent
5.	Dust collector		Topsin (Optional)/Equivalent

CORE PART-LASER SOURCE



CORE PART- LASER CUTTING HEAD

Auto-focus Features: The auto-focus servo motor reduces punching time by 80% and enables remote monitoring for seamless operation.



CORE PART-MOVING SYSTEM

The Aviation Aluminum Gantry enhances strength, reduces weight, and ensures stability with finite element analysis and an integrated design.



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