

DG FIBER 1325 / 1530

1000W, 1500W, 2000W, 3000W

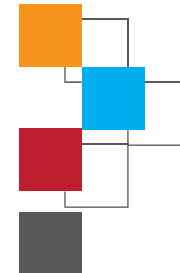
MAX photonics Laser



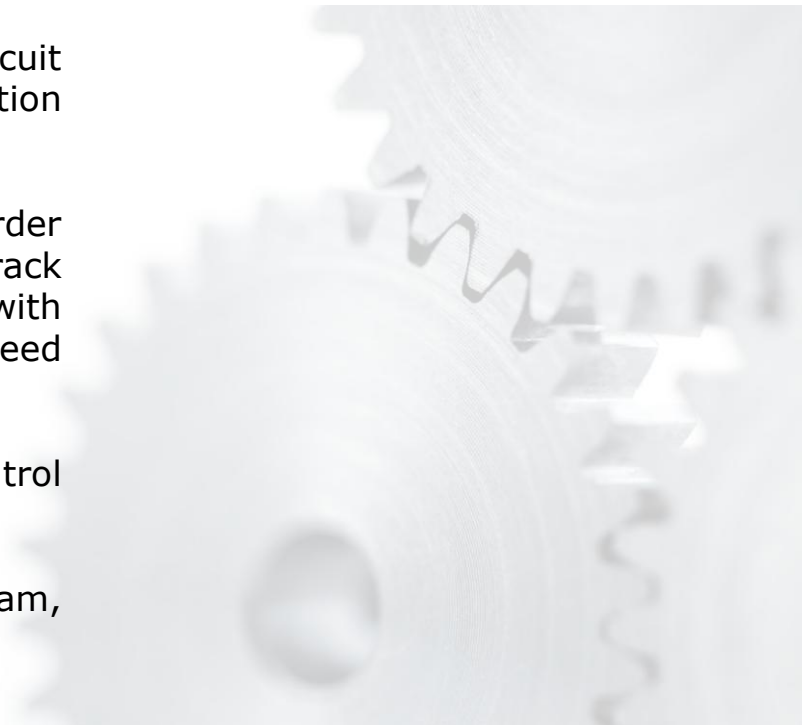
Experience the New Future of DG Laser series



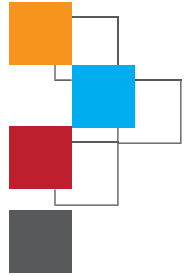
>>> Machine Feature



- Adopt the world's advanced fiber laser, fixed optical circuit design, optical circuit maintenance-free, low operation cost, good cutting quality, high processing efficiency.
- Mechanical structure adopts gantry styles, cross girder and lathe bed are made of welding structure, Gear rack transmission, double servo motors and drivers in Y, with accelerate speed up to 0.8G, ensures machine high speed as well as high precision.
- Stable and reliable laser path system and CNC control system is easy to learn and simple to operate.
- Adopt top brand fiber laser source, excellent laser beam, stable laser output, and precising cutting.



Machine Applications



Applicable Materials:

Applies to metals cutting and drilling (such as carbon steel, stainless steel, alloy steel, aluminum and its alloy, titanium and its alloy, copper and its alloy, and nickel-Molybdenum alloy. Also applicable to part of nonmetals, especially for processing sheet metal and the sheet panel.

Applications Industry:

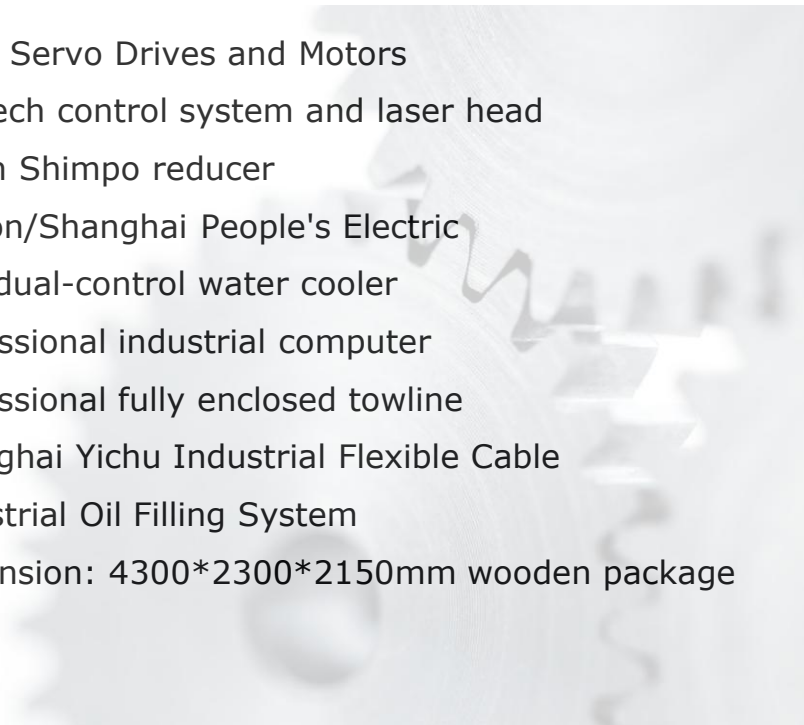
Applicable to aerospace, mechanical manufacturing, electrical appliances, elevator manufacturing, automobile and the ship, watches and jewelry, tools machining, diamond cutting tools, gear, decoration and advertising and laser processing services.

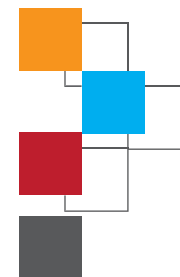


>>> Technical Parameters



- Model: CE1530F
- Working area: 1300*2500mm /1500*3000mm
- Laser power 1000W~3000W
- High strength welding bed
- German gantry milling flat rack guide reference plane
- Aerospace Grade Aluminum Gantry
- XY axis TWEBOLUN pinion and rack
- XY axis imported SMAG square rail from Japan and original matching slider
- Z axis ball screw TBI from Taiwan
- Delta Servo Drives and Motors
- Au3tech control system and laser head
- Japan Shimpo reducer
- Omron/Shanghai People's Electric
- S&A dual-control water cooler
- Professional industrial computer
- Professional fully enclosed towline
- Shanghai Yichu Industrial Flexible Cable
- Industrial Oil Filling System
- Dimension: 4300*2300*2150mm wooden package





>>> Laser Cutting Speed Table (m/min)

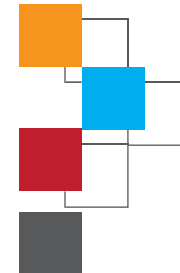
Material	Thickness (mm)	Gas	1000W	1500W	2000W	3000W
Stainless Steel	1	N ₂	20-24	28-32	38	50
	2	N ₂	5.4	7.5	12	13
	3	N ₂	2.2	4	7	8
	5	N ₂	2	2.5	4-5	
	10	N ₂	0.8		2.1	
Carbon Steel	1	Air	9-12	27-30	27-30	50
	3	O ₂	3	3	3	4.5
	10	O ₂	1	1	1.2	1.8
	20	O ₂	0.6		0.8	
Aluminum	1	Air	12-13	15	17-18	45
	3	Air	2	5	5	8-9
	10	Air			1.3	
Brass	1	Air	10	12	15	40
	3	Air	2	4	4	

1. For the cutting data, lasers with 1000W to 2000W output use a **fiber core diameter of 50 microns**, while lasers with 3000W output use a **fiber core diameter of 100 microns**.

2. The cutting data is based on the use of a **Jiaqiang cutting head**, with a **collimation/focus lens focal length of 100mm/125mm**.

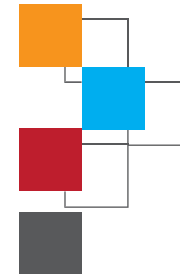
3. Due to differences in equipment configurations and cutting processes used by different customers (such as machine tools, water cooling, environment, cutting nozzles, and gas pressure), **this data is for reference only**.

>>> Samples





DIGITAL GRAPHICS



Innovative Printing Solutions

www.dgi-me.com

www.dgi-ksa.com

DG FIBER 1325 / 1530

1000W, 1500W, 2000W, 3000W

MAX photonics Laser



Experience the New Future of DG Laser series

