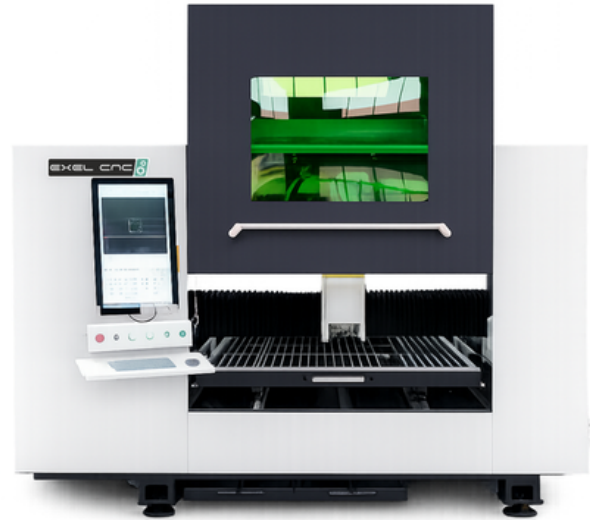


The FL-1313N enclosed CNC Fiber Laser delivers professional-grade metal cutting performance in a compact footprint. Designed for accuracy, reliability and efficiency, it combines a high-quality fiber laser source with a rigid industrial frame to produce clean, consistent cuts across stainless steel, carbon steel, titanium and alloy materials. Built for workshops that demand performance without excessive floor space, the 1313 offers powerful cutting capability backed by dependable system components.



Model	Working Area	Laser Power	Price
FL-1313N - 2kW	1300 x 1300mm	2kW Fiber	£29,000
FL-1313N - 3kW	1300 x 1300mm	3kW Fiber	£33,000
FL-1313N - 6kW	1300 x 1300mm	6kW Fiber	£38,000

Why Choose the FL 1313N?

- Compact 1300 × 1300mm footprint ideal for space-conscious workshops
- Fully enclosed machine for safety and containment
- High-speed servo-driven motion for smooth, accurate cutting
- Available in 2KW, 3kW and 6kW power configurations
- Clean, precise cutting across stainless, carbon and alloy steels
- Rigid frame construction for long-term stability and performance
- Aviation-grade aluminium beam for reduced vibration and weight
- Supplied fully equipped with cooling, extraction and lubrication
- CypCut control system for intuitive, reliable operation
- Engineered for dependable daily production use
- Excellent performance-to-price ratio in its class

Optional Upgrades (Prices ex VAT)

Upgrade	Details	Price
15Kw screw compressor	15kw, 16 bar, 3ph, 480Kg, 1.2m ³ /min	£3000
22Kw screw compressor	22Kw, 16 bar, 3ph, 480Kg, 2.2m ³ /min	£3800

EXAMPLE APPLICATIONS

- Engineering machinery
- Aerospace
- Automotive manufacturing
- Electronics
- Advertising & decorative industries
- Household appliance production

Machine & Performance

- Working area: 1300 × 1300mm
- Machine size (L × W × H): 2000 × 2236 × 1600mm
- Transmission structure: Gantry double-drive
- Beam: Aviation aluminium beam
- Positioning accuracy: ±0.05mm / 1000mm
- Repositioning accuracy: ±0.03mm / 1000mm
- Maximum linkage speed: Up to 70m/min
- Maximum acceleration: 0.8G
- Machine weight: 2550kg

Laser System

- Laser type: Fiber
- Laser power options: 3kW / 6kW (model dependent)
- Laser source: Raycus (CE)
- Laser head: BOCI 310
- Auto focus: Yes
- Anti-collision protection: Yes

Control & Motion

- Controller: CypCut 2000E
- Software: CypCut
- Motors (X axis): Delta 750W servo motor
- Motors (Y axis): Delta 750W ×2 servo motors
- Motor (Z axis): Delta 400W servo motor
- Lubrication system: Automatic

Dust Extraction & Cooling

- Extraction system: 3kW exhaust fan
- Cooler: Hanli industrial water chiller (matched to power rating)
- Electrical cabinet cooling: Integrated air conditioning

Electrical & Installation

- Voltage: 3-phase (power requirement dependent on configuration)
- Total power consumption: 12.3kW

Software & Warranty

- Software: CypCut included
- Warranty: 2 years as standard

What's Included

- 1313 fiber laser cutting machine (1300 × 1300mm working area)
- BOCI 310 laser cutting head
- CypCut 2000E control system
- Delta servo motors/drives (X 750W, Y 750W ×2, Z 400W)
- Hanli water chiller (3–6kW)
- 3kW exhaust / extraction fan
- Electrical cabinet air conditioning
- Automatic lubrication system
- Free consumables: Nozzles & protective lenses ×10, ceramic rings ×3



All prices exclude VAT. Prices correct at time of publication and may vary depending on specification.