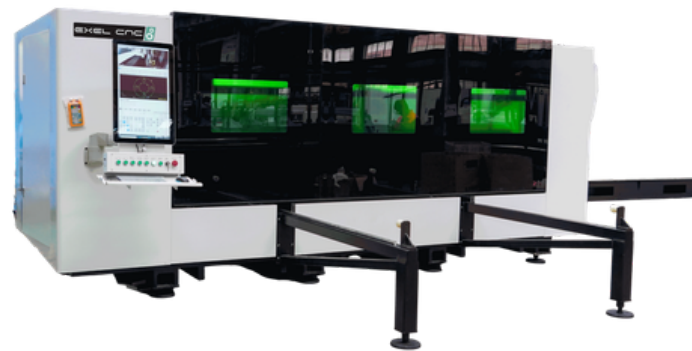
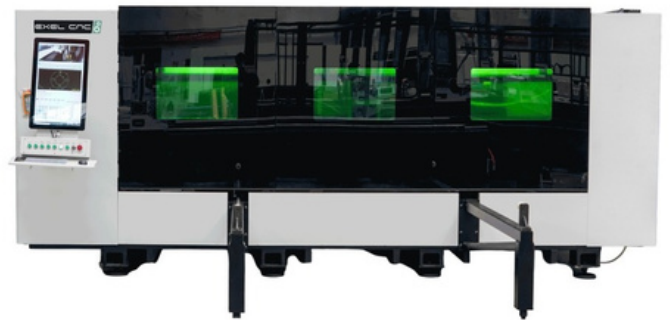


The Exel CNC FL-1530N is a fully enclosed industrial fiber laser cutting system designed for professional sheet metal fabrication. With a 3000 × 1500mm working area and laser power options up to 12kW, it delivers high-speed, high-precision cutting for demanding production environments.

Built on a stress-relieved heavy-duty chassis and driven by Delta servo motors, the FL-1530N combines structural rigidity with dynamic performance for consistent, repeatable results.



Model	Working Area	Laser Power	Price
FL-1530N	3000 × 1500mm	1.5kW Fiber	£35,000
FL-1530N	3000 × 1500mm	3kW Fiber	£42,500
FL-1530N	3000 × 1500mm	6kW Fiber	£53,000
FL-1530N	3000 × 1500mm	12kW Fiber	£68,000

Why Choose the FL-1530N?

- Full 3000 × 1500mm sheet capacity
- Fully enclosed design for safer industrial operation
- Laser power options up to 12kW
- High-speed motion up to 105m/min
- Acceleration up to 1.0G
- ±0.03mm positioning accuracy
- Heavy-duty stress-relieved machine structure

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

TYPICAL APPLICATIONS:

- Sheet metal subcontracting
- Panel fabrication
- Agricultural machinery
- HVAC ductwork manufacturing
- Signage & metal display systems
- Control cabinets
- Machinery components
- Structural steel components

SUITABLE MATERIALS

- Mild steel
- Stainless steel
- Carbon steel
- Galvanised sheet
- Aluminium
- Manganese steel
- Alloy plates
- General sheet metal

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

FL-1530N CNC FIBER LASER

Standard Technical Specifications

UK Support  2 Year Warranty 

Machine & Performance

- Working Area: 3000 × 1500mm
- Maximum Linkage Speed: 105m/min
- Maximum Acceleration: 1.0G
- Positioning Accuracy: ±0.03mm / 1000mm
- Repositioning Accuracy: ±0.02mm / 1000mm
- Transmission System: Gantry double-drive structure
- Lubrication System: Fully automatic
- Machine Structure: Heavy-duty welded tube chassis
- Total Power Consumption: 27.6kW
- Machine Dimensions (L × W × H): 5130 × 2250 × 2040mm
- Gross Weight: 4500kg

Laser System

- Laser Type: Fiber
- Laser Source: Raycus CE
- Laser Power Options: 3kW / 6kW / 12kW
- Control System: XC3000S
- Supported Formats: CAD, DXF and other standard files

Drive & Motion System

- X Axis Motor: 850W Delta Servo
- Y Axis Motor: 850W ×2 Delta Servo
- Z Axis Motor: 400W Delta Servo
- Reducer: Shimpo / Motoreducer
- Guide Rail: KINGTEC / PEK
- Rack System: Precision ground rack

Cooling & Extraction

- Water Chiller: Hanli
- Exhaust System: 5.5kW extraction fan
- Electrical Cabinet Air Conditioning: Included

Installation Requirements

- Power Supply: 3-phase
- Operating Temperature: 0–40°C
- Humidity: ≤80% (no condensation)

Warranty

- 2 Year Warranty

What's Included

- FL 1530N Enclosed Fiber Laser (3000 × 1500mm)
- Raycus CE Laser Source
- XC3000S Control System
- Delta Servo Motors & Drives
- Hanli Water Chiller
- 5.5kW Extraction System
- Electrical Cabinet Air Conditioning
- Automatic Lubrication System
- Starter consumables (Nozzles, protective lenses ×10, ceramic rings ×3)

SCAN HERE



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