



OC3015

ENCLOSED EXCHANGE BED FIBRE LASER

ENCLOSED CABINET with EXCHANGE TABLE FIBRE LASER MACHINE



Key Benefits

- Maximum Operator Safety
- High Cutting Speeds
- Laser, Fume and Noise Reduction
- High Output and Production
- Continuous Workflow, Less Downtime
- Reduced Secondary Operations

Optimized Production with Maximum Protection

The **ORSON OC Enclosed Fibre Laser** combines proven, high-quality industrial components with a fully enclosed cutting system and automatic exchange table for maximum productivity and operator protection. Featuring trusted components such as the Raycus laser source, Raytools or Boci cutting heads, Raytools or FSCUT control systems and S&A chiller, the machine is built for reliable, consistent performance and long-term durability. Designed with excellence, it delivers efficient production, low running costs and dependable operation, backed by exceptional local after-sales support.

CUT PARAMETERS

3Kw Fibre Laser (OC3015-3)				6Kw Fibre Laser (OC3015-6)			
Watt:	Material Type:	Thickness	Cut Speed (m/min)	Watt:	Material Type:	Thickness	Cut Speed (m/min)
3000 W	Carbon Steel	1mm	28 - 35	6000 W	Carbon Steel	1mm	45 - 60
3000 W	Carbon Steel	16mm (Max)	0.6 - 0.7	6000 W	Carbon Steel	22mm (Max)	0.5 - 0.6
3000 W	Stainless Steel	1mm	28 - 35	6000 W	Stainless Steel	1mm	45 - 60
3000 W	Stainless Steel	8mm (Max)	1 - 1.2	6000 W	Stainless Steel	16mm (Max)	0.5 - 0.6
3000 W	Aluminium	1mm	25 - 30	6000 W	Aluminium	1mm	45 - 60
3000 W	Aluminium	6mm (Max)	1.5 - 2	6000 W	Aluminium	12mm (Max)	0.8 - 1

(All parameters above for 3Kw and 6Kw rated for Production)

SPECIFICATIONS

Machine Type:	Flat Sheet Fibre Laser
Bed Type:	Enclosed + Exchange Bed
Bed Construction:	Tube and Plate Welded
Working Area:	3048mm x 1524mm
Machine Weight:	± 6500kg
Laser Source:	Raycus 3000W (3kW)
Laser Head:	Boci BLT310
Controller:	CYPCUT
Motor Brand:	Innovance / Bochu
Motor Size:	1800W / 750W
Max Acceleration:	1.5g
Max Speed:	140m/min
Positioning Accuracy:	±0.03mm
Repeatability:	±0.02mm
Gas Requirements:	
Compressed Air	16 Bar
Nitrogen	18-23 Bar
Oxygen	3-6 Bar

OPTIONS

	INCLUDED	OPTIONAL
Material Collection Trolley	Standard	
Remote Control	Standard	
Safet Glasses	Standard (1x Set)	
Voltage Stabilizer	Standard	
Touch Screen	Standard	
Fire Bricks	Standard	
Automated Lubrication	X, X, Z	
Extraction Fan	3 Zone System	
Electronics Aircon	Standard	
Air Compressor *		Optional

* Compressor Specs: 15kw, 16 Bar, 42 Cfm, Incl Dryer

