ORSON LASER

Experience world-class quality with a premium-grade CNC fibre laser machine that is truly built to last.

OA Series PREMIUM SHEET FIBRE LASER MACHINE

EXCELLENT QUALITY OPEN BED FIBRE LASER MACHINE



Key Benefits

- Premium Industrial Components
- Increased Daily productivity
- Advanced Motion System
- Low Operating Costs
- High Reliablility
- Reduced Secondary Operations

Premium Performance. Maximum Productivity. Built for the Industry.

The **ORSON OA Premium Fibre Laser** combines world-class industrial components—including a Raycus fibre laser source, BOCHU BLT310 automatic focusing cutting head, 1.8kw Servo Motors, FSCUT CNC control system, and S&A industrial chiller—to deliver exceptional speed, accuracy, and reliability. Designed for high-volume manufacturing and precision fabrication, it offers outstanding cutting performance, low operating costs, and dependable local support, making it the ideal investment for businesses that demand uncompromising productivity and long-term value.

MACHINE OPTIONS

OA-3015-1.5

- Laser Power (1.5 - 20kw)
- Working Area (Sheet Size)
- OC-Series

	3015	4015	6015	6020	6025
Working Area	3000x1500	4000x1500	6000x1500	6000x2000	6000x2500
Laser Power	1.5 - 12kw	3kw - 12kw	3kw - 20kw		
Zonal Dust Removal	3 Zones	4 Zones	6 Zones	6 Zones	6 Zones
Total Power Req 1.5kw Laser	18kw	N / A			
Total Power Req 3kw Laser	23kw	23kw	23kw	23kw	23kw
Total Power Req 6kw Laser	39.5kw	39.5kw	39.5kw	39.5kw	39.5kw
Total Power Req 12kw Laser	55.5kw	55.5kw	55.5kw	55.5kw	55.5kw
Total Power Req 20kw Laser	N / A		91.5kw	91.5kw	91.5kw

***Power Requirements calculated without compressor**

SPECIFICATIONS	
Machine Type:	Flat Sheet Fibre Laser
Bed Type	Open Bed - Manual Loading
Bed Construction:	Plate Welded (Robust) *
Laser Source:	Raycus 1.5kw -12kw
Laser Head:	Raytools / Boci
Controller Software:	Raytools / NCStudio / FSCUT
Motor Brand:	Bochu Servo
Motor Size:	1800w / 750w
Max Acceleration:	2.0g
Max Speed:	200m/min
Positioning Accuracy:	±0.03mm
Repeatability:	±0.02mm
Compressed Air:	16 Bar
Nitrogen:	18-23 Bar
Oxygen:	3-6 Bar

***Robust frame design to handle high rapid speeds**

INCLUDED
Material Collection Trolley
Remote Control
Safety Glasses (1x Set)
Voltage Stabalizer
Touch Screen
Automatic Lubrication (X, Y, Z)
Extraction Fan
Fire Bricks
Electronics Aircon
Advanced Zonal Extraction

LASER THICKNESS SPECIFICATION			
SOURCE	**Mild Steel**	**Stainless Steel**	**Aluminium**
1.5kw Raycus	12mm	6mm	3mm
3kw Raycus	16mm	8mm	6mm
6kw Raycus	22mm	16mm	12mm
12kw Raycus	30mm	25mm	25mm
20kw Raycus	40mm	40mm	30mm

V1.6