ORSON LASER

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

OAE Series ECONOMIC SHEET FIBRE LASER MACHINE

EXCELLENT QUALITY OPEN BED FIBRE LASER MACHINE



Key Benefits

- Affordable Investment
- Excellent Cutting Performance
- Low Operating Costs
- High Reliablility
- Reduced Secondary Operations

Industrial Performance Without the Premium Price

The **ORSON OAE Economy Fibre Laser** combines proven industrial components—including a Raycus laser source, Raytools BM110 cutting head, XC3000S control system, and S&A chiller—to deliver reliable cutting performance at an accessible price. Designed for South African manufacturers, it offers low running costs, dependable operation, and local after-sales support, making it an ideal choice for businesses looking to improve productivity while keeping capital investment under control.

MACHINE OPTIONS

OAE-3015-1.5

- Laser Power (1.5 - 12kw)
- Working Area (Sheet Size)
- OAE-Series

	3015	4015	6015
Working Area	3000x1500	4000x1500	6000x1500
Laser Power	1.5 - 12kw	3kw - 12kw	
Extraction	Downdraft	Downdraft	Downdraft
Total Power Req 1.5kw Laser	18kw	N / A	
Total Power Req 3kw Laser	23kw	23kw	23kw
Total Power Req 6kw Laser	39kw	39kw	39kw
Total Power Req 12kw Laser	55kw	55kw	55kw

***Power Requirements calculated without compressor**

SPECIFICATIONS	
Machine Type:	Flat Sheet Fibre Laser
Bed Type	Open Bed - Manual Loading
Bed Construction:	Tube and Plate Welded
Laser Source:	Raycus 1.5kw -12kw
Laser Head:	Raytools / Boci
Controller Software:	Raytools / NCStudio / FSCUT
Motor Brand:	Inovance
Motor Size:	850w / 400w
Max Acceleration:	1.0g
Max Speed:	100m/min
Positioning Accuracy:	±0.03mm
Repeatability:	±0.02mm
Compressed Air:	16 Bar
Nitrogen:	18-23 Bar
Oxygen:	3-6 Bar

INCLUDED
Material Collection Trolley
Remote Control
Safety Glasses (1x Set)
Voltage Stabalizer
Touch Screen
Automatic Lubrication (X & Y)
Extraction Fan

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





V1.6