



OAE3015 ECONOMIC SHEET FIBRE LASER MACHINE

EXCELLENT QUALITY OPEN BED FIBRE LASER MACHINE



Key Benefits

- Affordable Investment
- Excellent Cutting Performance
- Low Operating Costs
- High Reliability
- 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.

CUT PARAMETERS

3Kw Fibre Laser (OAE3015-3)				6Kw Fibre Laser (OAE3015-6)			
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:	Open Bed - Manual Loading
Bed Construction:	Tube and Plate Welded
Working Area:	3048mm x 1524mm
Machine Weight:	± 1700kg
Laser Source:	Raycus 3000W (3kW)
Laser Head:	Raytools BM110
Controller:	Raytools XC3000S
Motor Brand:	Innovance
Motor Size:	850W / 400W
Max Acceleration:	1.0g
Max Speed:	100m/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 (50Kva)	
Touch Screen	Standard	
Fire Bricks		Optional
Automated Lubrication	X and Y	X, Y, Z
Extraction Fan	Standard	Zonal System
Electronics Aircon		Optional
Air Compressor *		Optional

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

