



SOLUTION

ORSUS 3015 AJ *e*

FOUNDATION FOR SUCCESS



ORSUS 3015 AJ

AFFORDABLE INNOVATION

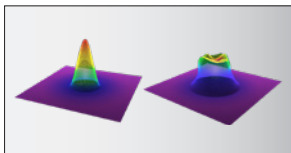
The ORSUS-3015AJe fibre laser has many value adding features for improving cut quality, reliability and ease-of-use, allowing any company to take their first steps into laser processing. Compatible with AMADA's automation systems and equipped with AMADA beam shape control technology it can assist your growth and success.

MINIMAL SETUP



Increased uptime

Utilizing a single lens for all materials reduces downtime and operator intervention.



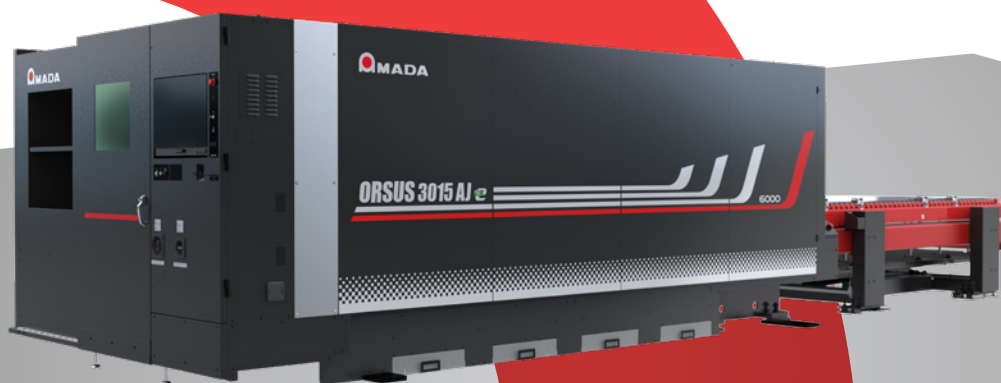
Beam Control

AMADA's automatic Mode Converter laser beam shape control increases processing range capabilities.



Less intervention

The 8-station automatic nozzle changer also cleans the nozzles and calibrates the cutting head.*



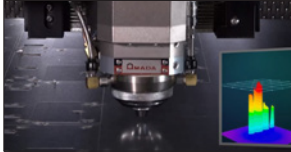
OTHER BENEFITS

HIGHER AUTONOMY – LASER INTEGRATION SYSTEM FEATURES



Preventative maintenance

The i-Optics Sensor monitors the lens protection glass and informs the operator when maintenance is required.



Improved efficiency

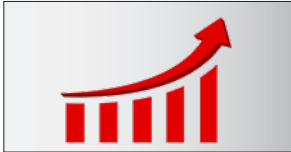
i-Process Monitoring is constantly checking the pierce and cut results, taking necessary steps to help reduce defects.



Reduced downtime

The head collision protection system automatically retracts the cutting head instantaneously to prevent damage.

LOWER COST-PER-PART



Increased productivity

With up to 8kW of cutting power, parts can be processed with high speed and precision, increasing output.



Higher utilization

The WACS II (Water Assisted Cutting System) can provide higher quality cut edges as well as allowing parts to be nested closer together on thicker mild steel, increasing material utilization.*



Improved quality

Oil Shot helps ensure spatter does not adhere to the top surface of the material during piercing operations, reducing secondary operations.

EASE-OF-USE



Intuitive functions

The AMNC 4ie control has a 21.5" colour touch screen, on-screen 'easy-edit' features for programs and a maintenance 'guidance mode' for newer operators.



Assisting Production

Internal cameras for monitoring production (V-monitor) and easy automatic nesting (i-CAS).*



Offline programming

AMADA's VPSS 4ie software is supplied as standard with the machine, providing quick program creation and seamless interaction with the AMNC 4ie control.

* Feature not available on 3kW version.

DIMENSIONS

Unit: mm

ORSUS-3015AJe + shuttle table (LST-E)
(L) 9505 x (W) 2840 x (H) 2000



MACHINE SPECIFICATIONS

			ORSUS-3015AJe
Numerical control			AMNC 4ie
Controlled axes			X and Y axes (rack & pinion), Z axis (ball screw)
Axis travel distance	X x Y x Z	mm	3070 x 1550 x 100
Maximum processing dimensions	X x Y	mm	3070 x 1550
Maximum simultaneous feed rate	X/Y	m/min	170
Repeatable positioning accuracy			± 0.01
Maximum material mass			920
Processing surface height			940
Machine mass	3kW	kg	6300
	6 & 8 kW		6350

OSCILLATOR SPECIFICATIONS

			FL3000U	FL6000U	FL8000U
Beam generation			Laser diode-pumped fibre laser		
Maximum power			3000	6000	8000
Wavelength			1.07		
Maximum processing thickness*	Mild steel	mm	12	22	25
	Stainless steel		15	25	25
	Aluminium		12	25	25
	Brass		8	15	15
	Copper		6	10	12

* Maximum value depends on material quality and environmental conditions

SHUTTLE TABLE SPECIFICATIONS

		LST-3015E
Max. material dimensions X x Y	mm	3070 x 1550
Number of pallets		2

Specifications, appearance, and equipment are subject to change without notice by reason of improvement.



For your safe use
Be sure to read the user manual carefully before use.
When using this product, appropriate personal protection equipment must be used.



Laser class 1 when operated in accordance with EN 60825-1

The official model name of the machines and units described in this catalogue are non-hyphenated like ORSUS3015AJe. Use this registered model names when you contact the authorities for applying for installation, exporting, or financing. The hyphenated spellings like ORSUS-3015AJe are used in some portions of the catalogue for sake of readability.

Hazard prevention measures are removed in the photos used in this catalogue.

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