



SOLUTION

LC VALSTER 3015 AJ G

COST EFFECTIVE, FULL RANGE PROCESSING



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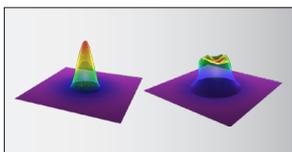
The VALSTER-3015AJG has been developed based on customer feedback and AMADA's extensive laser cutting knowledge, providing many standard features aimed at lower cost-per-part processing and ease-of-use. Less setup, more autonomy and AMADA laser beam shape control technology all have the potential to increase your competitiveness.

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.



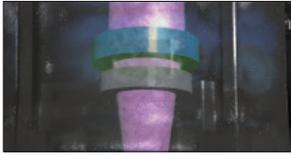
Less intervention

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



OTHER BENEFITS

HIGHER AUTONOMY – LASER INTEGRATION SYSTEM FEATURES



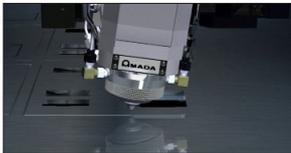
Preventative maintenance

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 6kW of cutting power, more parts can be processed per hour.



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 3i PLUS control has a large touch screen, simple 'one touch' operations, manual on-screen nesting and microjoint adjustment.



Improved accessibility

The internal camera, externally mounted LCD screen and large sliding side doors allow confirmation of processing and easy access.



Offline programming

AMADA's VPSS 4ie software is supplied as standard with the machine, providing quick program creation and seamless interaction with the AMNC 3i PLUS control.

DIMENSIONS

Unit: mm

VALSTER-3015AJG + shuttle table (LST-E)
(L) 9507 x (W) 2953 x (H) 2390



MACHINE SPECIFICATIONS

			VALSTER-3015AJG
Numerical control			AMNC 3i Plus
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 150
Maximum processing dimensions	X x Y	mm	3070 x 1550
Maximum simultaneous feed rate	X/Y	m/min	120
Repeatable positioning accuracy			± 0.01
Maximum material mass			920
Processing surface height			940
Machine mass			8600

OSCILLATOR SPECIFICATIONS

			FL6000
Beam generation			Laser diode-pumped fibre laser
Maximum power			6000
Wavelength			1.07
Maximum processing thickness*	Mild steel	mm	25
	Stainless steel		25
	Aluminium		25
	Brass		15
	Copper		8

* 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 to EN 60825-1

The official model name of the machines and units described in this catalogue are non-hyphenated like VS3015AJ. Use this registered model names when you contact the authorities for applying for installation, exporting, or financing. The hyphenated spellings like VALSTER-3015AJG 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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