

WELDING



MARKING



CASTING



MILLING



The Aries laser welding machine has been designed to guarantee high welding quality even on large workpieces, thanks to its open welding chamber and 3-axis movable table. Thanks to the enhanced cooling system and the high peak power, Aries can sustain continuous operation for more than 24 hours and a high processing speed.

- Next-generation touch screen interface
- Ability to save photos/videos to USB or local memory and show them back on screen
- Live playback on external screen via HDMI
- Video tutorials available

- Different work programs available depending on type of work and type of metal being used
 - Possibility of saving personal parameters
- Telemetry for remote assistance and updates

Leica 10 x Stereo Microscope Vision System

Double safety system with shutters, mechanical and electronic, to ensure maximum protection

LED lighting system with dimmer for intensity adjustment

High precision of joystick-controlled axes



Setting the working parameters via encoder in welding chamber

Independent connection for Argon, air or nitrogen

Solid, height-adjustable support

Maximum ergonomics with adjustable armrests and anchor point for joystick

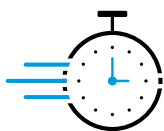
Operator can work both seated or standing

OPTIONALS :

Adjustable stand for microscope (5° - 25°)

Rotary & spindle Ø 80 mm

Inclined plane for positioner table (up to 30°)



Increased welding speed due to a frequency of up to 40 Hz.



High laser quality that allows to perform perfect welds without altering the physical characteristics of metals.



Large table movement on X,Y, Z axes, with a load capacity up to 80 kg.

TECHNICAL SPECIFICATIONS

MODEL	Aries	Aries ²
CRYSTAL TYPE Nd:YAG	7 mm / 1064 nm	2 X 7 mm / 1064 nm
POWER IMPULSE AND TIME	240 J a 25 mS	280 J a 25 mS
PEAK POWER	10.0 kW	12.0 kW
MEAN POWER	120 W	150 W
FREQUENCY	40 Hz	40 Hz
POWER SUPPLY		230 VAC±10%, 50/60 Hz
LASER SPOT DIMENSION	0.1 - 2 mm	0.2 - 2 mm
CONTROLS	External with 7" capacitive touch-screen display. Internal via rotary.	
STEREO - MICROSCOPE	45° with 10X magnification and crosshairs (Leica)	
COOLING SYSTEM	Forced air with double circuit, 10 L liquid and double radiator	
TABLE POWER SUPPLY	1 kW, 230 VAC±10%, 50/60 Hz	
TABLE ADJUSTMENT (HEIGHT)	Min. 79 cm - Max. 125 cm	
SIZE	Height 168 cm, Width 113 cm, Depth 104 cm	
WEIGHT	243 Kg	

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