

# LASER WRITER OPEN

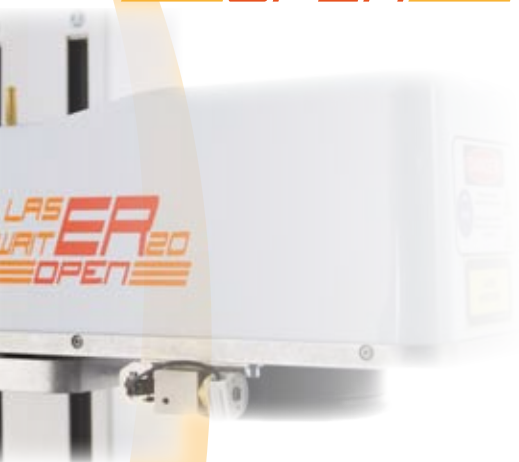
The Open LASER-marking system  
by OROTIG



The LASER Writer

Simple and Fast...

# LASER WRITER OPEN



Fitted with a high efficiency "Multi Diodes Pumped - Fiber LASER" generator, the newlyre-designed "OPENWriter" is available with two power setups, at 10W and 20W.

The "OPEN" structure, first in its category, is designed to allow an easy access to the working area and, furthermore, a facilitated movement of the pieces to be marked. This "Obstacle-Free" structure makes this LASER Writer the perfect tool for those professionals who are requiring a small machine with great versatility and high reliability.

Ideal for engravings texts, designs and drawings, this equipment can be used to mark flat surfaces and, with the help of the Rotary Motor, it's also possible to mark on curved surfaces such the inside and the outside of rings and bangles or uneven plates or fancy shaped items of various style.

Beside the simple marking features, the "OPEN Writer 20W" can be used for cutting. The  $m^2$  coefficient lower than 2 ( $m^2 < 1,8$ ) and the extremely high efficiency of the diodes make possible to cut metal plates up to 0.8mm of thickness. The help of a tool called "Auto Feeder" allows, in case of need, to cut on continuous basis; just select the file, set the repetitions and the equipment completes the work on its own, as per the operator's desires, without the supervision of the operator.

Added with a brand new Camera System and with an optional Z-Axis motorized controller, the "OPEN" Laser Writer is able to meet the highest standards of quality

set by the most renowned producers of high-end jewelry which are requiring a extremely high quality of the markings, an extremely high efficiency of the system and an equipment capable to go throughout even the heaviest duty cycle.

Perfect for processing all types of precious and semi-precious metals, steel, titanium and many other materials (metallic and non), the LASER Writer is a tool became almost indispensable in jewelry.

TECHNICAL DATA	OPEN 10W	OPEN 20W
LASER-source type	MULTI-DIODE PUMPED FIBER (Yb) LASER (Class 4)	
Wave-length	LASER @ 1064 ± 2nm	LASER @ 1060 ÷ 1085nm
LASER Pulse-Power	10 W	20 W
Pulse duration, up to	100nS	120nS
Pulse-energy	0.5 mJ at 20 kHz	1.0 mJ at 20 kHz
M <sup>2</sup>	$m^2 < 1.5$	$m^2 < 1.8$
Pulse-frequency	20 ÷ 60 kHz	
Scan-head	Ultra high-speed galvanic mirrors, marking speed > 7 m/S	
Scan-head's focus adjustment	Manual regulation ( Motorized Z-Axis as optional )	
Size of Marking field	F-Theta 100mm - Working Area 60 x 60mm F-Theta 160mm - Working Area 110 x 100mm	
Cooling	Air-Cooled LASER source ( auxiliary external chiller NOT required )	
Power-supply	1-ph, 100÷230VAC, 50/60Hz	
Power consumption	300 W	
Dimensions (W x D x H)	32 x 54 x 65 cm	
Weight	33Kg	
Standard Kit of Accessories, provided along with the OPEN Writer: FOOT PEDAL, PROTECTIVE SCREEN @ 1065±10nm, PROTECTIVE GOGGLES @ 810±1064nm, AUTO-SWITCH FOR VACUUM PUMP, SUPPORT FOR METAL DUST EXHAUSTING FILTERS, MANUAL HOLDER FOR SHEETS CUTTING, SLIPCASE FOR MARKER'S ACCESSORIES		

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