

LASER WELDING MACHINES "ATOMIK"

ATOMIK Laser welding machines are new range of laser machines which have been designed and manufactured in Italy by L.D.T. They are compact machines offering high level performances; reduced dimensions, maintenance and price. They are provided with a powerful cooling integrated system and easy access via to the welding chamber thanks frontal swing doors. Inside the chamber ATOMIK laser machines have led cold light for a clear welding point; on the top it has a big display (touch screen is optional). The new digital microprocessor elaborate the information 100 times faster of the traditional systems and make easier and flexible the use of the laser machine; at the same time a continuous control of the power supply and internal temperature to obtain optimum working conditions. Another important news of this laser is the new rail covered by patent that make five times more stable the beam laser.



FEATURES:

- the microprocessor estimate in automatic the life-time laser lamp and consequent adjust the output energy
- periodic and automatic recalibration system of the focal point
- control the LCD shutter and make it higher brightness
- increase the pulse frequency to 40Hz
- regulate in automatic and real time the power supply

APPLICATIONS

- Easily weld precious or base metals, including platinum, titanium, gold, silver and pal adium
- Safety repairs antique jewels
- Safely repair settings, without having to remove precious stones
- Repair watch cases and other components: even eyeglasses
- Weld parts using metal in place, clean neat seams without the clean-up
- Repair casting defect such as porosity or fractures, simply, welding new metal in place

COD. LDT	Descrizione Description	Sizes / Weight cm./kg	Energy Joule	Pulse time mS	Power kW
	Laser "Atomik 60" Diam. Spot : mm. 0,2/2	35x45x63 40 kg.	1 - 60 J	0,5 a 12 mS	.5 kw
	Laser "Atomik 100"	35x45x63 40 kg.	1 - 100 J	Da 0,5 a 16 mS	6 kw

QUANTUM EQUIPMENT CO. LTD. Tel. +91-22-25005011/12 Fax +91-22-25005010

e-mail: quantum@karatmeter.com www.karatmeter.com

MILANO • Via Accademia, 48 • Tel. +39-02-2885871 • Fax +39-02-2870812 - +39-02-288587242