



KaratWeld

Experience the power of Laser Beam for welding & repairing of precious or base metals including Platinum, Titanium, Gold, Silver, Imitation Jewelleries & Diamond studded articles.

Technical Specifications

Parameter	Karat Weld
Laser source	Nd:YAG (1064 nm)
Pulse energy max. (J)	130
Average Power (W)	75
Peak Power (kW)	7
Pulse width (ms)	0.5 - 20
Spot Diameter (mm)	0.2 - 2.0 automatic regulation with steps of 0.1
Pulse frequency	Single shot or up to 20 pulse/sec dynamically controlled (1-20 Hz)
Cooling circuit	Integrated air-to-water with automatic sleep mode and deionizer filter
Protection Argon supply	Injection with flexible nozzle, electronically controlled.
Compressed air gun	Internal mobile nozzle for air cooling
Microscope	Binocular microscope 10x by Leica
Parameters setting	Electronically, throughout a joystick placed into the working chamber.
Programs	50 programs
Display	Color touch screen display
Autodiagnosis System	Automatic with warnings on display
Power Supply (V)	230V 50/60Hz, 10A
PC connection	USB
Size (mm)	500 (W) x 800 (H) x 850 (D)
Weight (kg)	45



All configurations and specifications are subject to change without notice.

Quantum Equipment Co. Pvt. Ltd.

301, Rajshree Plaza, L.B.S. Marg, Ghatkopar (W), Mumbai - 400 086. India.
 +91 (22) 2500 5011 / 12 • +91 (22) 2500 5010
 quantum@karatmeter.com • www.karatmeter.com