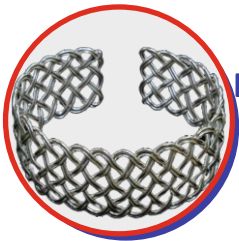


Jewellery Laser Welding Machine

Built for Power. Designed for Precision. Trusted by Jewellers.

ALD 300



Product Overview

The ALD 300 Laser Welding Machine is a powerful and precise solution designed exclusively for jewellery repair and manufacturing. With a 300 Watt pulse laser and an external chiller system, it enables continuous, high-intensity operation with stable cooling performance—ideal for long hours in busy workshops or production lines. Whether you're repairing delicate chains, assembling heavy bangles, or welding platinum, gold, and silver, this machine offers clean, high-strength, micro-precision welds without damage.

Key Features

- 300 W Nd:YAG Pulse Laser – High Welding Strength
- External Industrial Chiller – Enhanced Cooling & Stability
- Compatible with Silver, Gold, Platinum, Industrial Steel Dies
- Inert Gas Nozzle Provision for Clean Welds
- Clean, Contact less
- Digital Touchscreen Interface with Program Memory
- Integrated Microscope with Crosshair
- Foot Pedal Operation for Hands-Free Control

Applications

- Gold Chain Welding Assembly
- Ring Resizing & Repair
- Bangle & Bracelet Manufacturing
- Silver, Platinum & Titanium Welding
- Micro-Welding & Porosity Filling

Technical Specification

Model	Unit	ALD 300
Power	Watt	300
Wavelength	nm	1064
Welding Depth	mm	0.2-3.0
Welding Spot Diameter	mm	0.1-3.0
Pulse Width	ms	0.1-25
Frequency	Hz	1-30
Power Requirement	VAC	220 / 50Hz
Cooling Method	-	External Water Chiller
Machine Dimension	mm	915 x 558 x 1580
Chiller Dimension		685 x 460 x 915