

Desktop Laser Welding Machine

Compact. Powerful. Reliable.

ALDT 150



Product Overview

The ALDT 150 Desktop Laser Welding Machine is a compact yet powerful 150-watt solution built for precision jewellery repairs and manufacturing. Designed to fit neatly on any worktable or counter, this unit provides fine, clean, non-contact welding on gold, silver, platinum, titanium, and other precious metals. Its ergonomic desktop build, combined with an integrated microscope, touchscreen controls, built-in camera and easy foot-pedal operation, makes it ideal for jewellery workshops, retail counters, and repair studios.

Key Features

- 150W Pulse Laser – High Efficiency in Compact Form
- Desktop Model – Space-Saving & Portable
- Ideal for Gold, Silver, Platinum & Titanium Welding
- Microscopic Welding – Clean, Precise, and Strong
- User-Friendly Touchscreen with Memory Save
- Foot Pedal Control for Seamless Operation
- Built-In Camera

Applications

- Jewellery Chain Welding
- Ring Resizing & Customization
- Bangles, Earrings & Pendant
- Porosity Filling in Casting
- Stone Setting Welding
- Small Batch Manufacturing

Technical Specification

Model	Unit	ALDT 150
Power	Watt	150
Wavelength	nm	1064
Welding Depth	mm	0.1-1.5
Welding Spot Diameter	mm	0.1-2.0
Pulse Width	ms	0.1 - 5
Frequency	Hz	1-20
Power Requirement	VAC	220 / 50Hz
Cooling Method	-	Water Air Cool
Machine Dimension	mm	720 x 450 x 590