



Nitinol Welding

Equilasers Inc. specializes in nitinol welding and is a leading designer and manufacturer of advanced, solid-state lasers and welding systems. Founded in 1994, Equilasers strives to bring the rigors in military laser design to commercial products by introducing compact, rugged, and highly efficient lasers that are designed for specific applications. The two core business areas for Equilasers are medical lasers and laser micro-welding.



Equilasers Inc. was launched to build Holmium medical lasers, in 1994, for a medical company on an OEM basis. Today there are over 400 Holmium laser heads and over 100 Nd:YAG medical laser systems and subsystems working in the field. We have a proven track record in delivering compact and reliable solid state laser subsystems and systems to medical device companies.

Corporate Profile

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Medical Lasers

Equilasers is an OEM supplier of laser heads and system hardware to medical laser companies addressing laser based therapies such as cardiovascular TMR; dental applications such as soft tissue, periodontics, and enamel surface treatment; cosmetic treatment such as hair removal; and other modalities. We supply the key laser components to our customers and help them resolve any laser related issues. While not GMP certified, we manufacture to GMP standards as required by most of our customers.

Laser Micro-Welding

Equilasers is a pioneer in developing desktop scale laser welding systems for **Photonic** and **Medical** devices. In **1996** we developed the award-winning **EDW-15** desktop welding laser that delivers through fiber highly stable low energy pulses, making possible high precision joining of small metal components. In **1998** we introduced the **EDWS** series of integrated desktop workstations for R&D engineers to develop production oriented laser-welding processes. The year **2000** marks the year we delivers our first turnkey, automated production station to weld orthodontic brackets.

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