



Jupiter Glovebox Laser Welding System for Medical Implantable Devices (MID's)

Pacemakers, defibrillators, heart rhythm monitors and cochlear implants require a perfect hermetic seal. Our Jupiter Glovebox Laser Welding Systems for Medical Implantable Devices (MID's) are designed together with our customers. Providing a controlled and regulated gas atmosphere ensures the perfect environment for the weld process and the internal atmosphere of the welded part. Position Based Firing (PBF), better known as Synchronizing Position Synchronized Output (PSO) enables weld pulses to be spaced at regular spacing, independent of the four- or five axis motion programmed. This ensures regular heat input in sensitive areas, like sharp corners of the titanium shells. AMADA WELD TECH's Glovebox Laser Welding systems offer a safe environment for the parts as well as the operator.

Specifications Jupiter Glovebox Laser Welding System for Medical Implantable Devices (MID's)

- > Integrated laser, motion and environmental controls
- > Systems ensure a reliable weld spot overlap and a superior hermetic seal
- > Several laser types can be integrated, including Pulsed Nd-YAG, Pulsed fiber and CW fiber lasers
- > Optimized Titanium dust deposition reduction by means of laser and process settings optimizing
- > Several sizes and configurations available (2, 3 or 4 gloves)
- > Precise control of moisture, pressure and gas composition
- > Full datalogging in all relevant process parameters
- > Parts picking and parts clamping possible
- > Automatic weld seam detection and alignment
- > Future Proof Windows 10 environment

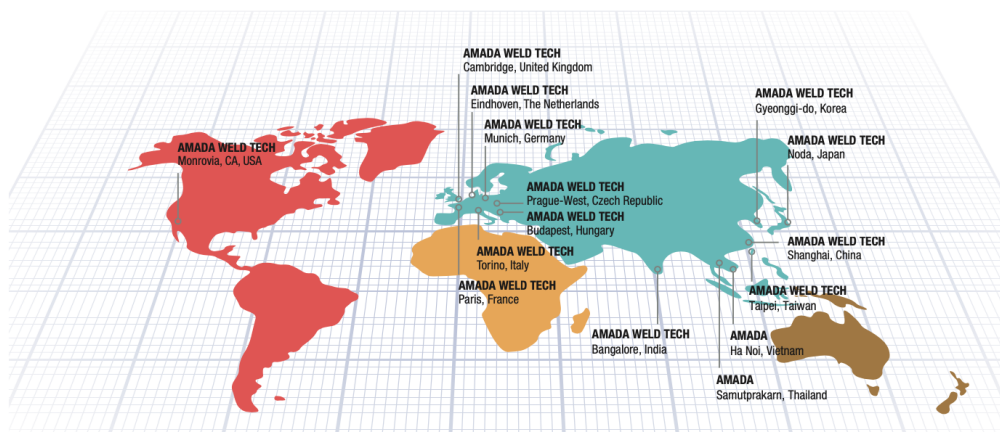
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