

CONTRACT PRECISION WELDING

Fluid Automation, Inc. provides precision laser and micro-TIG contract welding services for critical applications such as medical device and electronic component manufacturing.

- Medical Devices
- Electronics & Fiber-optics
- Micro-electronics & Nano-materials
- Dissimilar Materials
- Sensors & Fluid Control Components
- Orbital Welding
- Helium Leak Testing

PRECISION LASER WELDING

Our state-of-the-art laser welding capabilities offer significant advantages over conventional precision welding techniques such as TIG and Electron-Beam (EB) welding.



*300W Nd:YAG Fiber-optic Laser Welding System
with PC-Controlled 4-Axes Motion*

With 6 kilo-watts of peak power and the tight focus of a laser-beam, Fluid Automation produces aesthetic and reliable weld beads with a higher aspect ratio (depth to width) than TIG or EB techniques and with a smaller heat affected zone.

The precision computer control of 4 axes of motion and the flexibility of a fiber-optically coupled welding head provide the ultimate in process automation for diverse geometries.

Our laser welding system's substantial 300 watts of average power enables us to weld at high speeds and reduce production times. This translates into cost-savings for our customers.

MICRO-TIG WELDING SERVICES

Fluid Automation also provides automated TIG and high-purity orbital welding services. Whether you require the extreme precision of a laser or the flexibility of TIG, Fluid Automation has an automated welding process to fit your needs.



Computer Controlled TIG Welding Lathe & Samples

VALUE ADDED SERVICE

We offer project management solutions that integrate our outsource services with your production processes and schedule requirements such as JIT programs.

For further information or to request a free consultation and samples for your application, please contact:

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