

A small failure could lead to big problems

Which is why we weld and test everything to aerospace and nuclear energy industry quality standards, even if it's something as simple as a flange on a pump.

High Standards: The aerospace industry has quality standards that are based on avoiding a catastrophe, as does the nuclear energy industry. We weld and test every part that comes through our doors to those standards, regardless of industry sector or the part's final destination. We're also certified by many Tier 1 manufacturers and some of the top companies in the energy industry.

Protection from Harsh Environments: Devices for use in Oil and Gas can wind up in demanding environments, so we offer laser hermetic sealing services, which provide the best protection of sensitive components available.

Exotic Materials: Many parts intended for use in the energy industry are designed for durability, strength, and light weight. We have decades of experience working with hard to weld materials like titanium, molybdenum and aluminum alloys. We also have expertise welding dissimilar metal combinations, such as copper to stainless steel.

High quality and High Production Volume: Our manufacturing and testing processes are optimized and integrated so we can get your parts prepped, welded, tested and back to you (or back to the job site) quickly and with full quality documentation.

Wide range of parts

Heat Exchangers

Seismic Sensors

Pipeline Connectors

Bus Bar/Battery Cell Arrays

Cooling Plates

Temperature Sensors

Well Drills

Li-Ion Battery Casings

Pressure Sensors

Turbine blades

Pipeline Connectors

Quality set to standards

ISO 9001:2015/AS9100D, MIL-STD-1595A, AMS-STD-1595A, and AWS D17.1:2000 specifications. Full testing to MIL-I-45208A and MIL-C-45662A. Sectioning lab in-house, digital microscopy, complete documentation.

Certified suppliers to





About EB Industries

Decades of Experience and Excellence

Founded in 1965 to provide electron beam welding to the aerospace industry
1984 - Added laser welding capability
1994 - Pioneered laser hermetic sealing techniques
2000 - Adopted lean manufacturing methodology, revamped quality control and manufacturing process.
2013 on - Continuing strategic investment in equipment, expanded workforce, additional shop space.
16,000 square-foot facility, custom designed for industry specific equipment

Electron Beam Welding

- Power range up to 15 kilowatts
- Chamber capacity up to 36"x36"x72"
- Automated rapid vacuum cycling
- CNC tables for semi to fully automated production
- Custom designed computer controls of all weld parameters and provides data logging

Laser Welding

- Power range from 25 to 4000 watts
- Nd:YAG, CO2, Fiber and Disc lasers and Laserstar equipment available
- 2D and 3D automated and semi-automated laser welding and cutting
- ESD and FOD safe environments
- Glove box controlled environment welding stations

Engineering and Quality Control

- Full CAD/CAM design, metallurgy lab
- Full in-house machine shop for custom tooling development
- In-house sectioning lab for destructive testing
- Digital and conventional visual inspection equipment, full documentation
- Integrated quality and leak testing, mass spectrometer leak testing, pressure bombing, digital x-ray capabilities