

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) guickly 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



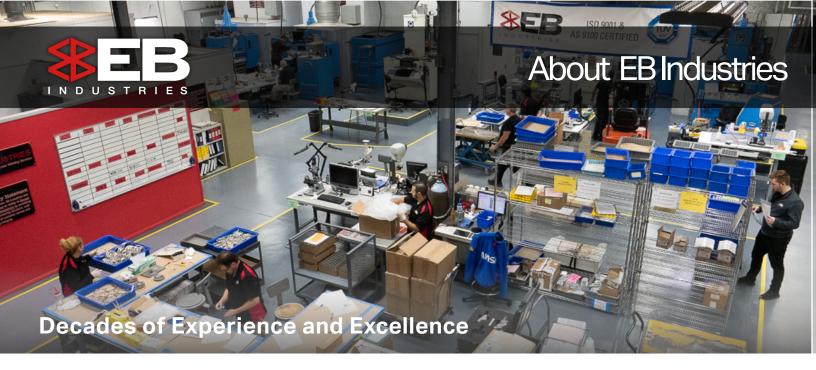












Founded in 1965 to provide electron beam welding to the aerospace industry

- 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 cutom 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