



OEM Technical Services

for Successful Welding Solutions

TECHNICAL
SUPPORT

CODE QUALITY
CONSTRUCTION SERVICES

TRAINING

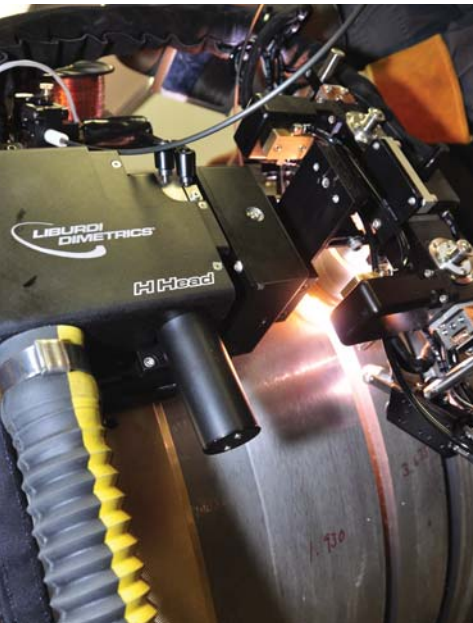
WELD
ENGINEERING

EQUIPMENT
RENTAL

Quality Certificate Holders



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Liburdi GAPCO™

The Great Atlantic and Pacific Pipe Welding & Construction Company, Inc., founded almost half a century ago, was instrumental in the development of weld base knowledge for the Nuclear industry in North America during its infancy in the 1960's and 70's. This tradition continues today with innovative repair programs for international customers in the fields of Nuclear construction and repair. Liburdi GAPCO™ offers a complete range of equipment and technical support services for both field and shop environments. We can develop Inspection Test Plans "ITP", Weld Procedure Specifications "WPS" and Procedure Qualification Records "PQR" for third party use. Our engineering and weld lab facilities can provide specific solutions in both routine and complex weld procedures, including destructive testing, non-destructive testing and metallurgical analysis.

Sample Weld Procedures According to ASME Sections:

- Machine GMAW P1 to P1
- Machine GTAW P1 to P1
- Machine GTAW P45 to P5A
- Machine GTAW P43 to P3
- Machine GTAW Narrow Groove P43 to P8
- Machine GTAW Super Duplex Stainless Steel P10H to P10H
- Machine GTAW P8 to P8 (High Deposition Hot Wire and Narrow Groove)
- Machine GTAW P91 material P15E to P15E
- Machine FCAW P1 to P1
- Machine FCAW P8 to P8
- Machine GTAW Titanium P51 to P51
- Machine GTAW P11 material P4 to P4
- Machine GTAW P22 material P5A to P5A

For complex welding projects, Liburdi design build capabilities can provide full scale mockups of even the most sophisticated structures, especially in nuclear environments.

Electrical and Welding Field Technical Support

We provide on-call welding services, technical supervision and support to help maintain project schedules and keep equipment operating even in the harshest environments.

Technical Training

We offer formal training in orbital welding and in electrical technician maintenance. Liburdi training programs have evolved over the years, from our "UA adopted" 40 hour intensive beginner welding course to customized client specific programs.

Weld Engineering

Our experienced team of mechanical, electrical, welding and metallurgical engineers is recognized as the industry leader in providing successful, fully automated welding solutions for critical applications in Turbine, Aerospace and Nuclear industries.

Our extensive knowledge of materials behavior and precise control of the welding process has enabled us to understand and successfully weld difficult materials. These include, but are not limited to nickel, cobalt, iron based superalloys, aluminum, titanium and high alloy steels.

Liburdi has broad experience in welding processes that provide clients with effective guidance in the selection of the most appropriate equipment and process for any project. These range from vision-based plasma, GTAW (hot wire) and laser systems to GMAW for weld overlay and narrow groove joints. We provide consulting services for the implementation and certification of quality control programs.

Equipment Rental

When additional equipment is required or to facilitate project financing, Liburdi offers a full rental fleet. Liburdi rental fleet spans Liburdi Dimetrics' product line including; power supplies, weld heads (Closed Chamber, Open Arc and Full Function), collets, spare pendants, weld head extension cables and track accessories to accommodate different tube and pipe sizes.