

OEM Technical Services

for Successful Welding Solutions

Liburdi Dimetrics Services offers a complete range of equipment and technical support services for both field and shop environments. We can develop 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.

LDS™ Sample Weld Procedures according to ASME Sections III and IX:

- Automatic GMAW P1 to P1
- Automatic GTAW P43 to P3 Dissimilar
Temper Bead Weld Overlay
- Automatic GTAW/GMAW P91 to P91
- Automatic GTAW Narrow Groove P43 to P8

For complex welding projects, LDS™ design build capabilities can provide full scale mockups of even the most sophisticated structures, especially in nuclear environments. PHOTO: On site calibration of a G-Head during the shroud tie in weld inside an ABWR reactor pressure vessel.



Weld Quality Starts in the Arc

USA | tel: 1-704-892-8872 | dimmktg@dimetrics.com
INTERNATIONAL | tel: 1-905-689-0734 | liburdi@liburdi.com
EUROPE | tel: +31-6-2036-1018 | liburdieurope@liburdi.com
www.liburdi.com

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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. LDS™ 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 behaviour 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.

LDS™ 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, LDS™ offers a full rental fleet. LDS™ 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.



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