

Baron Mechanical Opens Weld Testing and Certification Center in Port Arthur, Texas

Baron Mechanical Launches State-of-the-Art Weld Testing Facility in Port Arthur, TX—Offering Precision Certification and Consulting Services.

PORT ARTHUR, TX, UNITED STATES, January 29, 2025 /EINPresswire.com/ -- [Baron](#) Mechanical is making a significant investment in the future of weld testing and certification with the launch of a new facility in Port Arthur, Texas. Located at 950 Hwy 365, this expansion is built to support industries that rely on high-quality welding by equipping the facility with the newest and most advanced testing equipment available.



Baron Mechanical Headquarters

Investment in Top-Tier Equipment & Technology

This new facility is outfitted with the latest welding and mechanical testing equipment, ensuring fast, accurate, and reliable results for clients in oil and gas, construction, and manufacturing. The investment includes high-precision machining tools for base material preparation, automated testing systems for efficiency, and the latest software for data analysis and reporting.

The facility is equipped to handle a wide range of weld qualification and certification services, including:

- Welder and Welding Operator Qualification Testing
- Weld Procedure Qualification Testing
- Welding Procedure Specification (WPS) Development
- Consulting for Compliance and Code Requirements

With multiple testing stations designed to accommodate SMAW (Stick), GTAW (TIG), GMAW (MIG), and FCAW (Flux-Cored) welding, Baron Mechanical can efficiently process weld tests with full material traceability and certification.



At Baron Mechanical, we're committed to delivering precise, reliable weld testing and certification to help industries meet the highest standards of quality.

Jennifer Freeman, Baron Mechanical"

Jennifer Freeman, General Manager (CWI)

Expanded Testing Capabilities

The company has invested in a full range of destructive and nondestructive weld testing equipment, ensuring every weld meets the highest industry standards. Clients will receive detailed certified test reports to verify compliance with required codes.

Testing Services Include:

- Tensile & Bend Testing – Assessing weld strength and flexibility
- Charpy Impact Testing – Verifying material toughness
- Ferrite Content Analysis – Ensuring proper corrosion resistance
- Hardness Testing (Brinell, Rockwell, Vickers) – Measuring

material durability

- Metallographic Examination – Evaluating weld structure and integrity
- Stress Relieving (ASME Compliant) – Improving weld longevity
- Elemental Analysis (OES) – Identifying precise material composition

This investment in top-tier equipment enables faster turnaround times, improved accuracy, and greater reliability for clients needing immediate weld certification.

Advanced Mechanical Testing Lab

Beyond welding, Baron Mechanical is currently investing in a fully equipped mechanical testing laboratory capable of evaluating metallic and nonmetallic materials, components, and specialty products. The lab's capabilities will help industries assess material strength, impact resistance, hardness, and ductility, providing critical insights into performance and safety.

Contact Baron Mechanical

For more information or to schedule a consultation, reach out to:

- Baron Mechanical
- 950 Hwy 365, Port Arthur, TX 77640
- 409-200-2223
- Jennifer@BaronNDT.com

About Baron Mechanical

Baron Mechanical is committed to supporting industries with high-quality weld testing, certification, and mechanical testing services. With a strong investment in the newest equipment and technology, the company ensures reliable, efficient, and compliant results for clients who depend on precision welding.

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