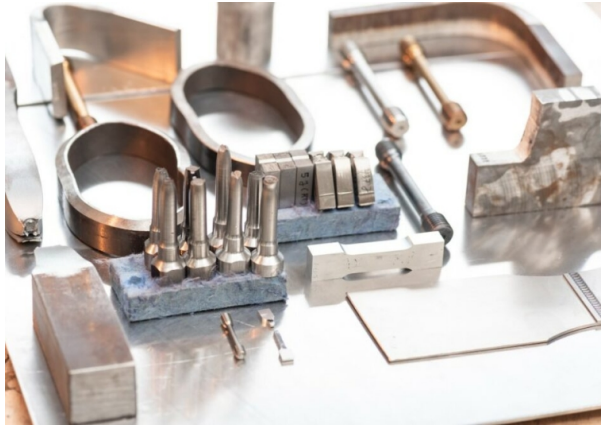


End-to-End Welding Qualification Testing



What Is End-to-End Welding Qualification Testing?

End-to-end welding qualification testing involves a comprehensive suite of tests designed to ensure the reliability and safety of welds and welding products. This process validates not only the welds themselves but also the procedures and equipment used in their creation and evaluation.

Conducted by reputable third-party laboratories, these tests often include additional approval from independent authorized inspection agencies, such as **Technical Inspection Organizations (TIOs)**, to meet stringent industry standards and client demands for quality assurance.

What End-to-End Welding Qualification Testing Do We Perform?

We offer a comprehensive range of welding qualification testing services tailored to your specific needs. Our expertise covers both **destructive and [non-destructive testing](#)** methods to ensure the highest level of quality assurance for your welding projects. Our standard packages include:

- **Non-destructive testing** (VT, MP/PT, UT, RT)
- **2 tensile tests**
- **4 bend tests**
- **2 sets of notched bar impact tests**
- **1 macro section examination**
- **1 hardness test**
- **Accompanying documentation**

- **TIO acceptance** (if necessary)
- **Material collection at your company** (optional)

Our services also feature [Immersion Ultrasonic Testing \(IUT\)](#), the most accurate method to detect any physical flaws in girth welds before they are deployed in the field. For added assurance, we can arrange for our findings to be approved by an independent TIO, with the entire process managed by us from start to finish.

What Types of Welds Do We Test?

Our testing services cover a wide variety of weld types to accommodate different materials, welding parameters, and industry standards. The welds we test include:

- **Plates with thickness less than 30 mm**
- **Plates with thickness greater than 30 mm**
- **Tubes with thickness less than 30 mm**
- **Tubes with thickness greater than 30 mm**
- **T-joint fillet welds**
- **T-joint full penetration welds**

To further enhance your clients' confidence in your business, we also offer **certification services**.

What End-to-End Welding Qualification Testing Equipment Do We Have?

Our state-of-the-art laboratories are equipped with advanced testing equipment to perform a full range of destructive and non-destructive tests. This includes:

- **Immersion Ultrasonic Testing (IUT) machines**, offering the most accurate detection of physical flaws in girth welds.
- **Non-destructive testing equipment** for Visual Testing (VT), Magnetic Particle Testing (MP), Penetrant Testing (PT), Ultrasonic Testing (UT) including phased array, and Radiographic Testing (RT).
- **Mechanical testing apparatus** for tensile, bend, and impact tests.
- **Hardness testing machines** and **metallographic examination tools**.

Our comprehensive equipment allows us to conduct all necessary tests efficiently and accurately, ensuring reliable results for your welding qualification needs.

Why Choose Applus+ Laboratories for End-to-End Welding Qualification Testing?



Choosing [Applus+ Laboratories](#) for your end-to-end welding qualification testing means partnering with a leader in welding quality assurance. Here's why you should choose us:

- **All-in-One Solution:** We offer a fixed-price package that includes all the services you need, reducing interfaces and simplifying logistics.
- **Guaranteed Delivery Times:** Benefit from reliable delivery times—guaranteed within 15 working days, or within 7 days with our express package.
- **Expertise and Experience:** Our team of specialists brings extensive knowledge in welding testing and quality assurance, ensuring accurate and reliable results.
- **Advanced Equipment:** Our state-of-the-art laboratories are equipped with the latest testing equipment, enabling us to perform both destructive and non-destructive tests efficiently.
- **Comprehensive Services:** From material collection at your company to TIO acceptance and certification of your staff and management systems, we handle the entire process from start to finish.
- **Dedicated Support:** With our network of locations, you will always have a dedicated person available close to you. We offer support in selecting suitable test methods and relevant standards, as well as training for your employees if desired.
- **Full Cost Transparency:** Our fixed-price packages provide full cost transparency, helping you manage your budget effectively.

At **Applus+ Laboratories**, we are committed to helping you ensure the safety and integrity of your welding projects with confidence and precision.