Fit for Service
The first, Non-Destructive Testing (NDT) for thermoplastics with a “Fit for Service” warranty
The first NDT with “pass or fail“ process for ecoFIT (PE) and PROGEF (PP) butt and electro fusion welds

NDT

Using ultrasonic technology, we are able to offer our customers the highest quality control NDT for our butt fusion welds in ecoFIT, PROGEF and electrofusion for ELGEF. Key projects around the world rely on NDT technology to ensure highest safety and quality of the weld area in metal piping. Today, GF Piping Systems’ approach to total quality management has resulted in the world’s first NDT Service with a pass or fail statement on the butt fusion and electrofusion weld of ecoFIT, PROGEF and ELGEF systems. Once passed we offer a 10 year weld warranty.

Scanning
Working with our international partner, we are able to scan butt fusion welds with our customized ultrasonic sensors. We can test typically between 20-30 welds per day, saving money during the NDT test day.

Analysis
Using the data obtained, we are able with our unique algorithm, coupled with our extensive testing and own highest quality standards to provide a pass or fail statement on the butt fusion weld.

Certification and warranty
To provide peace of mind to our customers, we will issue a “Fit for Service” statement for each weld. Ensuring the quality and expected life of the piping system, with a 10 year warranty.

Fit for Service

GF Piping Systems understands the challenges faced along the project cycle: From owners and engineering companies involved in specifications and design, to logistical solutions for on time installation of goods, to the safe commissioning and operation of the plant. Our NDT solution fulfill the same quality control standard you expect from any piping system but with the added value GF provides a pass / fail fusion weld statement.

We ensure your weld quality with our unique NDT solution with a pass/fail statement

• Proven NDT process
• Unique documented weld and pass / fail process
• Higher number of tests per day vs existing solutions
• No onsite health & safety risk compared to X-ray technology
• Cost efficient compared to existing solutions

Peace of mind with GF pass or fail and 10 year warranty
The right way to success

Our Total Plastics Solutions approach to projects ensures we are able to supply over 60,000 products comprising of pipes, fittings, valves, measurement & control, fusion welding machines, with engineering services and support.

GF Piping Systems NDT solution with “Fit for Service” for thermoplastics offers a first approach to quality management in thermoplastics. Using our ecoFIT and PROGEF systems, we can integrate into your design and specifications, offer your team GF Piping Systems recognized fusion weld training, to international standards.

1. ecoFIT, PROGEF and ELGEF system
   The corrosion-resistant solution for your applications

2. Specification
   Our extensive know-how in planning and installation

3. Fusion weld training
   To allow participants to gain confidence in working with our products

4. NDT test
   Peace of mind – integrity of fused joints with full traceability

5. Fit for service
   Statement (pass / fail) regarding the long term behavior of the joints

6. Weld warranty
   Tested & certified quality with 10 year warranty

Increase quality
Pass / Fail “Fit for Service” weld report

Increase safety
Expert assurance from 60+ years of thermoplastics experience

Save money
Between 20-30 weld tests per day, increasing efficiency and reducing site costs

Save time
Increase of life expectancy of ecoFIT / PROGEF piping system