

Welding Certification & Material Services

To meet both statutory and client requirements, manufacturers are required to have independent Welding Procedure Qualification and Welder Approvals. IQS is ready for approval of procedures covers all types of permanent jointing to ISO, ASME, BS, EN Standards. IQS is also able to offer approval for other codes and processes such as brazing and various joining methods for plastics, such as solvent welding. In addition, your requirements for independent material validation by a qualified inspection representative can be achieved.



Weld Procedure Qualification

IQS for the certification of weld procedures against the requirements of EN standards can carry out assessment to ASME, and other national or international standards.

The process involves:

- Review and provisional approval of the procedure.
- On site surveillance of the test piece production against Written Procedures
- Witness laboratory testing of the test pieces
- Review of any Non-destructive or other Test Results
- Approval of the Weld Procedure (and welder if appropriate)

The number of test pieces will be dependent on the procedure requirements. Many procedures are able to cover a range of material types and sizes. Laboratory testing requirements are defined by the applicable code and vary from application to application.

Welder Approval

Once a procedure is approved, individual welders can then be assessed against the procedure, using the same process. The approval of a welder is usually valid for a period of 2 years as long as the welder is regularly using the process defined in the procedure.

The prolongation of the Welder Approval is possible as long as determined criteria are met with regard to the requirements of the appropriate code or standard.



Material Services

There is an increasing requirement for materials to prove they meet the parameters in their chemical and mechanical properties. This has led to the authentication of material certificate requirements.

IQS can offer a service from surveillance at the mill to taking samples of material and subjecting them to a rigorous regime of laboratory testing.

Assessment and endorsement by IQS of the material certification meets the requirements of a 3.2 certificate as defined in EN 10204 'Metallic Products - Types of inspection document'.

This means that all material used in activities under the regulations must be fully traceable and documented from the mill to the manufacture of the pressure equipment, or the repair of such equipment, under most circumstances.

IQS, would be employed to supervise and endorse material transfers and endorse material certificates.



IQS will supervise and record the cutting of the piece, the transfer of the identification, heat or cast number and endorse a copy of the original certificate with an endorsement stamp.

In addition, if you have valuable material in stock that has lost traceability, IQS can authenticate it by having mechanical and chemical testing carried out at a recognized testing laboratory.

A valid material certificate is issued for the material tested at the laboratory and it can then be used in the manufacture of pressure equipment.



IQS

CONTACT US TODAY TO DISCUSS YOUR INSPECTION NEEDS

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