# STEEL FABRICATION

**Starweld Engineering is one of the UKs leading industrial steel fabricators with over 70 years' experience building high quality steel fabrications. Our Sheffield site offers modern rolling, forming, bending, cutting and welding technologies, which allows us to take a product from design through to finished product. Our engineers are skilled in working with a range of materials, including stainless steel, cast iron and aluminium.  We offer coded welding to B.S. EN 287-1 or ASME IX and Welding Procedures in accordance with B.S. EN 288 or B.S. EN ISO 15614-1 or ASME IX. We offer full testing and traceability of materials and can supply documentation packs with every job in accordance with ISO 9001: 2008.**

**Platforms, hand rails, machine guards, lifting equipment, heat treatment furnaces, pressure vessels and nuclear waste transfer containers, are just some of the fabrications we regularly undertake**
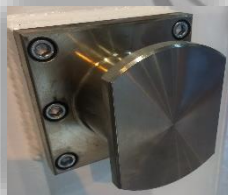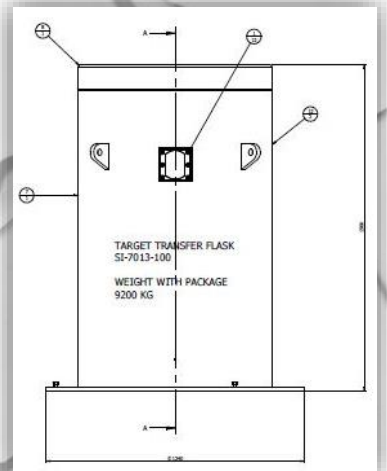
# CASE STUDY

**A prestigious nuclear research facility had a requirement for two  stainless steel vessels, which would be filled with lead to provide radiation protection. The job involved the manufacture of stainless steel cylinders, along with associated lifting lugs, test ports and liners.**

**Whilst drawings were supplied by the client, Starweld used up to date CAD software, to model the finished item, which showed specific stresses that may be placed upon the structure during the build. When the client was notified of the modifications required they were subsequently approved.**

**Given the nature of the end use, the quality and integrity of the build was imperative. Starweld were able to work to all specified tolerances in the fabrication and all relevant weld codes. Full NDT testing was carried out following the build.**

**The success of the project has lead to Starweld securing a repeat order for the same items and also work of a similar nature.**