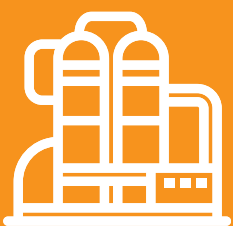


**SHEFFIELD  
FORGEMASTERS**

# Casting and Forging Solutions for the World's most Complex Engineering Challenges



**High Pressure Reactor  
Capabilities**



# High Pressure Reactor Capabilities

**Sheffield Forgemasters is a fully accredited supplier of cast and forged high pressure reactor and autoclave vessels.**

We have manufactured reactor vessels for safety critical processes since the 1930's and hold ASME section VIII Div3 certification.

Our unique integrated facilities means high pressure, bespoke units requiring the latest forging and casting techniques can be manufactured, refurbished and pressure tested onsite.

## Key Capabilities

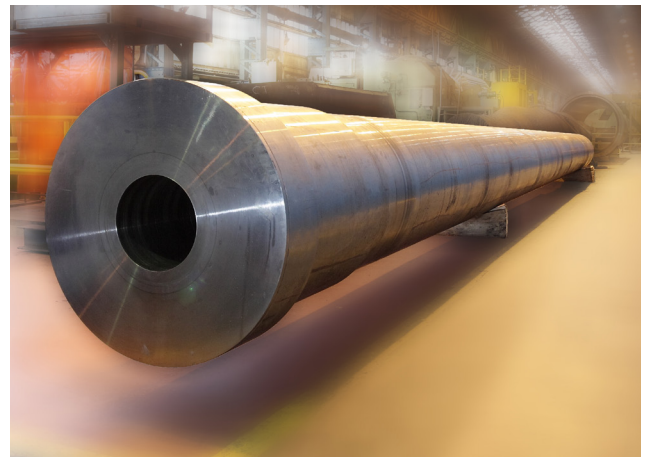
- Blank and cylinder vessel manufacturing ability
- Reactor vessel reconditioning services
- Integrated pressure testing facilities up to 80,000 psi
- Integrated melt shop providing ultra-clean steel
- Integrated foundry capable of producing finish machined items up to 350T
- Integrated forge capable of finish machined components up to 200T
- Some of the World's most advanced 5-axis machining
- Vertical heat treatment capabilities
- Advanced computer-aided design, simulation, modelling, metrology and analysis techniques

## Applications

**Petrochemical | Oil & Gas | Plastics Industries | Foam Industries | Nuclear Reactors**



Almost 100 Years' Experience in Complex Vessels



Complex Shape, Size and Length Capabilities

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