



**SHEFFIELD
FORGEMASTERS**

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



Heat Treatment Capabilities





Heat Treatment Capabilities

Sheffield Forgemasters offer a comprehensive range of heat treatment, cryogenic treatment and quenching facilities.

Our wide range of traditional and vertical heat treatment facilities are designed to produce optimal metallurgical properties of castings and forgings.

Key Capabilities

- 16 Bogie Hearth Gas Fired Furnaces
 - Capacity of 7,600 x 5,000 x 17,500mm (w x h x l)
- 4 Top Hat Gas Fired Furnaces
 - Capacity of 3,500 x 2,500 x 20,000mm (w x h x l)
- 2 Vertical Electric Induction Furnaces
 - Capacity $\text{Ø}3,700 \times 20,000\text{mm}$ (d x l)
- Selas furnace for differential hardening of Backup Roll products
- Computerised dual frequency induction stands for work rolls
- Cryogenic Treatment
 - Two cryogenic tanks available for cooling to -130°C



Versatile Heat Treatment - Small to Ultra-Large



Vertical Heat Treatment Facilities Onsite

Applications

Defence | Civil Nuclear | Offshore | Steel Processing | Renewables | Power Generation | High Pressure Reactors | Steel Plant | Ingot & Bar

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