



SHEFFIELD
FORGEMASTERS

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



Steel Processing Capabilities



Steel Processing Capabilities

Sheffield Forgemasters has produced forged steel rolls since the 1860's and pioneered many modern manufacturing processes.

We are technology leaders in forged work roll, back up roll and plate mill back up roll production. Our steel processing facility was custom built for forged steel roll production. It is among the most advanced and dedicated forged roll plants in the world. Our rolls deliver low cost of ownership to steel producers.

Key Capabilities

- Dedicated roll manufacturing facility
- Rolls produced from ultra-clean steel manufactured in our integrated melt shop
- Computer controlled dual-process induction hardening
- Vertical heat treatment facilities
- Cryogenic heat treatment facilities
- Selsas heat treatment furnace
- Wide range of steel grades including alloy, specialist and Electro-Slag Remelt (ESR)
- Full Non-Destructive Testing (NDT) services
- Neck and bearing ring fitting available
- Multiple finished sizes available from 2T up to 170T



Rolls up to 170T Finished Weight



Integrated Rolls Manufacturing Facility

Applications

Steel Processing | Cold Rolling | Hot Rolling | Ferrous Rolling | Non-Ferrous Rolling | Aluminium Mills | Steel Mills | Copper Mills | Plate Mills

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