



WILLIAM COOK

COOK

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A World Class company

"I am proud of William Cook. I built it up almost from scratch. To me the letters WC stand for 'World Class'. I believe we are, and we can prove it to our customers."

Sir Andrew Cook CBE, Chairman

William Cook companies design, manufacture and overhaul components and systems for applications where safety and reliability are critical. Whether public or private sector, UK or worldwide, William Cook customers all have one thing in common; they cannot afford to take risks.

For nearly two centuries William Cook's core competence has been casting steel. Today, most of William Cook's components and systems for defence, rail and other industries still call for high-specification alloys and superalloys.

William Cook's three main divisions, employing over 600 people, generate revenues of £100m per year. The company's private ownership and lack of debt permit a consistent programme of investment.

This investment isn't just in William Cook's six advanced manufacturing sites. It's in university research, sponsored students and award-winning apprentices; investment that will keep William Cook World Class.

Components and systems for applications where safety and reliability are critical

Defence and rail

1. Cook Defence Systems tracks allow the world's most advanced armoured fighting vehicles to manoeuvre over the toughest terrain
2. Steering and suspension components from Cook Defence Systems protect British soldiers inside Foxhound patrol vehicles
3. Pressure vessels from William Cook Cast Products contain the superheated steam that powers the Royal Navy's nuclear submarines
4. Bogie components and brake discs from William Cook Rail keep high-speed trains on the tracks all over Europe
5. William Cook Rail wedgelock couplers connect the tube trains transporting five million passengers a day under London

Approvals and accreditations

- ✓ ISO9001
- ✓ ISO14001
- ✓ ISO45001
- ✓ Cyber Essentials Plus
- ✓ UK MOD Q1(N) naval steel castings
- ✓ UK MOD DEFSTAN 95-25 armoured steel castings
- ✓ Bundeswehr TL2350-0002 armoured steel castings
- ✓ JOSCAR
- ✓ ISO/TS 22163 (IRIS)
- ✓ RISAS
- ✓ RISQS
- ✓ EN15085 welding for railway vehicles
- ✓ Deutsche Bahn approved



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Components and systems for applications where safety and reliability are critical

Energy, infrastructure and intermodal

1. William Cook Intermodal twistlocks and connectors secure some of the six million shipping containers crossing the world's oceans
2. Pumps made with corrosion-resistant casings and impellers from William Cook Cast Products turn seawater into drinking water in the Middle East
3. Nuclear waste containers from William Cook Cast Products are used to store radioactive material securely
4. Structural steelwork from William Cook Cast Products holds up the roof of Heathrow T5, designed by architect Richard Rogers
5. Chain stoppers and rollers from William Cook Cast Products keep offshore oil and gas platforms anchored to the sea bed

Approvals and accreditations

- ✓ ISO9001
- ✓ ISO14001
- ✓ ISO45001
- ✓ ISO17025 UKAS accredited laboratory
- ✓ NORSOK M650 4A, 5A, 6A (sand and investment castings)
- ✓ EU Pressure Equipment Directive (PED)
- ✓ DNV GL offshore standards
- ✓ American Bureau of Shipping
- ✓ Lloyd's Register of Shipping
- ✓ EN10340 Construction Product Regulations
- ✓ Fit4Nuclear
- ✓ ISO1161 fittings for freight containers
- ✓ ISO19443 nuclear quality management



Advanced design, manufacturing and control

Design and development

Computer Aided Design and Finite Element Analysis

MAGMA fill and solidification simulation

CNC pattern and toolmaking

3D scanning for reverse engineering

Integrated 3D printing and investment casting process

Rig testing of tank tracks and railway couplers

Manufacturing and control

Chemical analysis and mechanical testing

Non-destructive testing including digital radiography up to 9-MeV

Sand-moulded castings from 1kg to 12,000kg

Investment castings from 0.1kg to 250kg

AOD refinement for specialist steel and nickel alloys

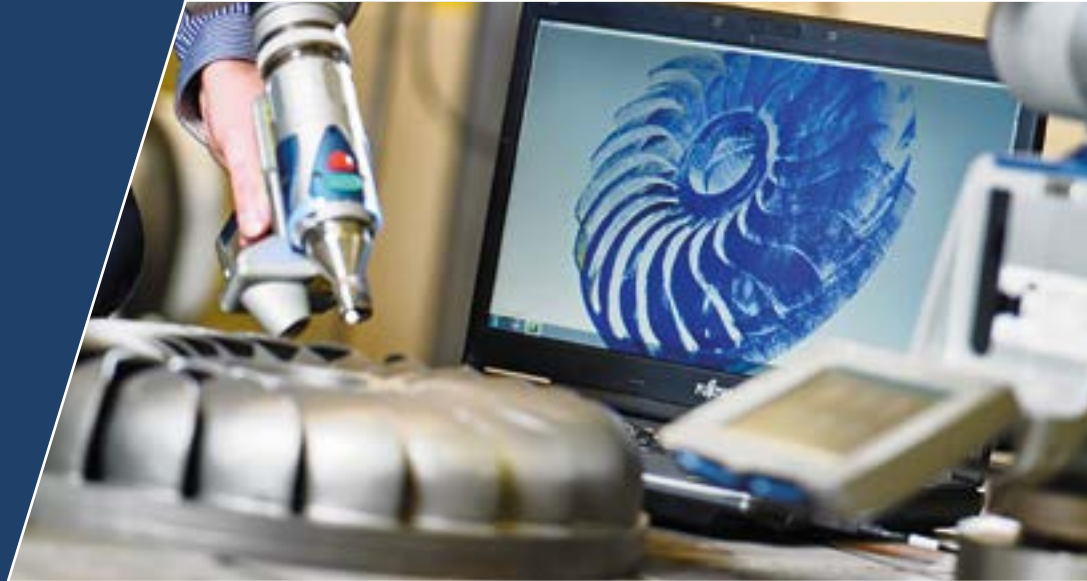
Heat treatment

Over 30 modern CNC machining centres

Machining parts up to 60,000kg

Fabrication and assembly

Mechanical, pneumatic and electrical overhaul





www.william-cook.co.uk

