



WILLIAM COOK

COOK



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 seven 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. Lightweight, high strength, low maintenance tracks allow the world's most advanced armoured fighting vehicles to tackle the toughest terrain at high speed and with absolute dependability
2. Steering and suspension components protect British soldiers inside Foxhound patrol vehicles
3. Pressure vessels contain the superheated steam that powers the Royal Navy's nuclear submarines
4. Bogies, couplers and brake discs for urban, LRT and high speed trains throughout Europe and the USA
5. 'Wedglock' 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





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(Crown Copyright, 2012)

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Components and systems for applications where safety and reliability are critical

Energy, Infrastructure and Intermodal

1. Fully machined diffusers for the primary and secondary circuits of civil and naval nuclear reactors
2. Corrosion resistant pump casings for all hostile fluids
3. Open and closed impellers for extreme duty fluid power and control
4. Structural nodes and fixtures for airports, stations and other architectural applications
5. Container fittings and securing systems for toxic cargoes

Approvals and accreditations

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





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Advanced design, manufacturing and control

- Creo Computer Aided Design and Altair Finite Element Analysis
- MAGMA fill and solidification simulation
- CNC pattern and toolmaking
- 3D scanning for reverse engineering
- Coldbox, no-bake, greensand, shell, ceramic and lost wax moulding processes to suit any production quantity
- 3D mould and pattern printing for prototypes and short runs
- AOD refining for special alloys
- Advanced in-house CNC machining up to 20 tonnes
- In-house NDT including Digital, LinAc, and Betatron radiography up to 9MeV
- In-house high and low temperature materials testing for extreme-duty alloys
- In-house destructive rig testing

William Cook - the one-stop engineering group
for all casting-related activities







COOK DEFENCE SYSTEMS

Stanhope
Co Durham
DL13 2YR

+44 (0)1388 528 248
sales@cookdefencesystems.co.uk



WILLIAM COOK INTERMODAL

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WILLIAM COOK RAIL Incorporating Crowle Wharf Engineering

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info@cwelimited.com



WILLIAM COOK INDUSTRIAL Incorporating William Cook Cast Products, Cook PCC and ADA machining

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Sheffield
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castproducts@william-cook.co.uk

Alston

Stanhope

Leeds

Sheffield

Scunthorpe

Ashton-under-Lyne

Chesterfield



WM COOK & SONS (SHEFFIELD) LIMITED.



WILLIAM COOK & SONS (GLASGOW) LTD.
 GLASGOW SAW & FILE WORKS, CRANSTONHILL, GLASGOW.
 GLASGOW STEEL WORKS, WASHFORD ROAD, SHEFFIELD.

SWAGED CIRCULAR SAWS.



WE MAKE A SPECIALITY OF SWAGED CIRCULAR SAWS, AND GUARANTEE

BEST QUALITY MATERIAL, COMBINED WITH FIRST-CLASS WORKMANSHIP AND FINISH.

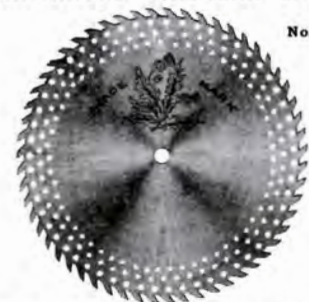
MACHINE GROUND

AND WARRANTED.

PRICE LIST.

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PERFORATED CIRCULAR SAWS.



AS WE HAVE SPECIAL PLANT INSTALLED FOR THIS CLASS OF SAW, WE ARE IN A POSITION TO QUOTE KEENEST RATES

THIS SAW IS FOUND ADVANTAGEOUS WHERE MACHINERY FOR GULLETING IS NOT AVAILABLE. IT ALSO ASSISTS THE FILE AND KEEPS THE PITCH OF TEETH REGULAR.

FOR SWAGED CIRCULAR SAWS THE FOLLOWING PARTICULARS ARE REQUIRED:—

Diameter of Saw	Thickness of Plate in Centre	Thickness of Plate on Tooth	Depth of Swage	Whether the Swage is to be on right or left hand side of Saw	Size of Centre Hole or Key Way, if any	Distance of Holes edge to edge, thus	Shape of Teeth, See Series in this List	Space between Teeth, to P
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Prices of Swaged and Perforated Saws, as above list, subject to discount.

STEEL

SAWS

FOR CUTTING WOOD & IRON.

CIRCULAR, LONG & BAND SAWS.

CASTINGS

FOR COLLIERIES, MINES, ENGINEERS, ETC., ETC.

CRUCIBLE CAST TOOL STEELS.

FILES. MACHINE IRONS.

Telephone: 78 Central Telegrams: "CRUCIBLE, SHEFFIELD."

WM COOK & SONS (Sheffield) LTD.
 Glasgow Steel Works, SHEFFIELD, Eng. Also at GLASGOW.

WM COOK & SONS (SHEFFIELD) LTD.
 WASHFORD ROAD, SHEFFIELD.

BEST TOUGHENED CRUCIBLE STEEL CASTINGS FOR ALL PURPOSES.

TUB WHEELS AND AXLES, LOOSE OR FITTED.

ROLLERS, PULLEYS, SHEAVES, PEDESTALS, FRAMES, BRACKETS, CASE GUIDES, SHAFTS, WHEELS, CONVERSION LINES, DRUMS, GEAR WHEELS, BALLS AND CRASSING, ROPE CLIP, BANDS.

WILLIAM COOK & SONS (GLASGOW) LTD.
WILLIAM COOK & SONS (SHEFFIELD) LTD.

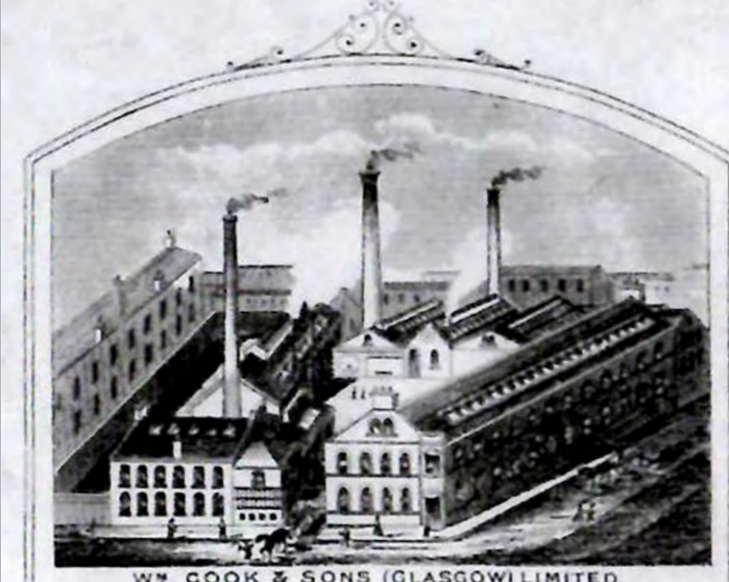
Glasgow Saw and File Works, ELLIOT STREET, CRANSTONHILL, GLASGOW

Glasgow Steel Works, WASHFORD ROAD, SHEFFIELD.

MANUFACTURERS OF

Best Quality "Thistle Brand" Cast Steel SAWS

Planing and Moulding Machine Irons, Files, Saw Buckles, Band Saw Machines and Saw Sharpening Machines, PATENT GUARDS FOR SAW BENCHES &c. SAW MILL AND ENGINEERS' FURNISHERS.



WM COOK & SONS (GLASGOW) LIMITED



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