

Capability Factsheet

Manufacturing in Stoke-on-Trent, England - www.copperalloys.net - Tel: +44 (0) 1782 816 888

OVERVIEW

Manufacturing extreme materials and components for extreme applications

Providing award winning engineering solutions for critical industries worldwide, Copper Alloys is one of the worlds most advanced and progressive materials engineering organisations.

Independently owned, effective and creative, Copper Alloys combines exceptional technical expertise with industry-leading quality management to consistently exceed customer expectations.

High integrity material production and engineering support

7 Things Copper Alloys does better than anyone else:

1 Metals that will stand the test of time

Unique processing techniques that guarantee higher integrity metal

Elite Alloys™ designed and developed to perform better than any other material



High integrity material expertise

Copper Alloys

- Aluminium Bronze (CuAl)
- Cupro-Nickel
- Silicon Bronze
- All other bronzes

Nickel Alloys

- Monel® K-500, 400, 502
- Nickel-based super alloys
- Nickel-Copper alloys

Specialist Steels

- UNS S20910
- XM-19
- NACE MR 01-75

2 Taking the risk out of complex machining

A single integrated source from furnace to assembly

- Low risk
- Low cost
- Greater control

3 Comprehensive certification document packs

A single documentation pack from raw material to finished part

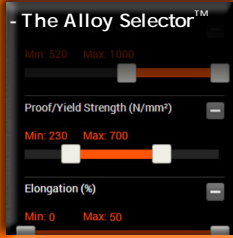
Guaranteed absolute traceability to starting melt
Complete independent witness testing available

4 Global distribution and support network

Supporting prestigious engineering companies around the world, Copper Alloys works direct to ensure operational integrity and rapid manufacturing.

5 Optimising material selection

- Cost vs. benefit analysis
- Material selection advice and support



6 Engineering better mechanical solutions

Manufacturability Audit - For every component, Copper Alloys will review the most efficient method of producing the part or achieving component performance objectives. Take advantage of this free service before finalising design to maximise benefit for your organisation.

Defence industry expertise

World-leading best practise for critical seawater applications
Successful risk mitigation strategies
100% right-first-time performance on the most difficult projects
Guaranteed defect free material

Aerospace experience

AS9100 Rev C. approval
All relevant supply chain approvals (Airbus, General Electric, Rolls-Royce, etc.)

All grades of Aluminium Bronze manufactured

Stocking for call-off agreements

Of shore engineering experience

Guaranteed traceability to starting material

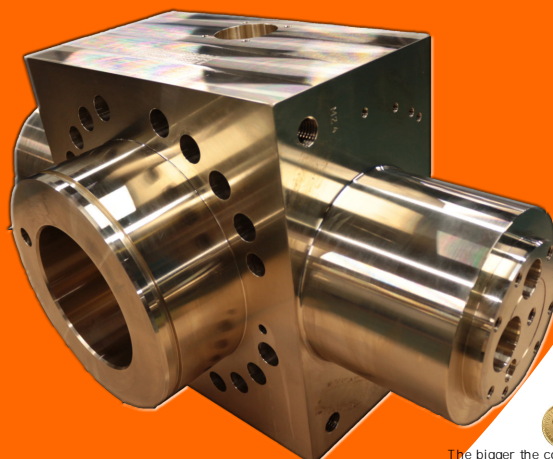
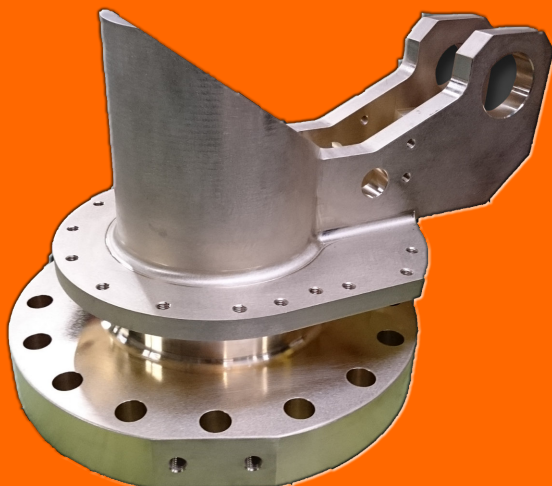
Development of high integrity wrought products designed to last longer and perform better

Highly efficient machining techniques to reduce risk and component cost

7 New material technology - built for extremes

Leading the Great British Corrosion Project, Copper Alloys is at the forefront in understanding corrosion issues and the ability of all known metals to resist high corrosion environments.

Innovation in metals is alive and kicking! Copper Alloys has designed a number of new alloys with unbeatable property combinations, developed to push performance beyond current limits.



The bigger the component, the better.
For scale, a British pound coin