

## EXCITING RECENT DEVELOPMENTS IN RAUTOMEAD'S R&D DEPARTMENT

There follows a list of some of the recent innovative R&D projects carried out in the Rautomead factory in Dundee.

Latest developments have included:

- High speed casting of **Copper Silver Billet** (110mm dia. 600kg/hr).  
High conductivity with good hot strength  
For manufacture of commutator sections, busbars

- **Copper Magnesium** casting at **small diameter** 14mm and 8mm  
High tensile strength, good conductivity  
For manufacture of automotive signal wires, connector pins, screws.

- Development of techniques and technology to continuous cast **Copper Manganese Nickel Zinc** brazing alloy material.

- **High speed (20m/min)** casting of **lead alloy** wire.

- Development of techniques and technologies for continuous casting a range of **Aluminium Bronze** alloy wire rods.  
High strength corrosion resistance  
For manufacture of welding wires

- **Casting small diameter (4mm) silver zinc wire** for solder applications.

- Casting of **Copper Chrome Zirconium** at **12-14mm dia.**  
High strength & high conductivity  
For manufacture of connector pins & small diameter wire

- Casting of **Copper Manganese Nickel alloy** rod  
High strength  
For manufacture of resistance wires

- Casting of **Copper Iron (5 – 50% Fe)** strip  
Excellent material for hot & cold working, magnetic & with high strength  
For manufacture of circuit breakers, clamps, connectors, switches relays



To learn more, obtain samples or to commission manufacture of a similar or different material at the Rautomead R&D department, please contact: [mervyn.cooper@rautomead.com](mailto:mervyn.cooper@rautomead.com)