

Technology for Copper Strip Production

1. Continuous Casting: cathode to round rod
2. Continuous Rotary Extrusion: round rod to strip or shaped wire
3. Roll/Draw straighten & cut to length: hard and half hard lengths of strip



Continuous casting



Rotary extrusion



Draw/straighten

Applications include

- Busbar Strip
- Transformer Strip
- Commutator Sections
- Shaped Wires
- Lightning Conductors
- Copper Profiles



Copper strips



Copper profiles



Copper busbar



Transformer strip



Paper wrapped strip



Transformer

Continuous casting

- Cathode to round rod: 12.5mm, 16mm & 25mm diameter
- CuOF & CuAg
- Clean, bright rod surface without wax or protective coating
- Up to 5,000 kg coil weight
- Recycling “extrusion process flash”

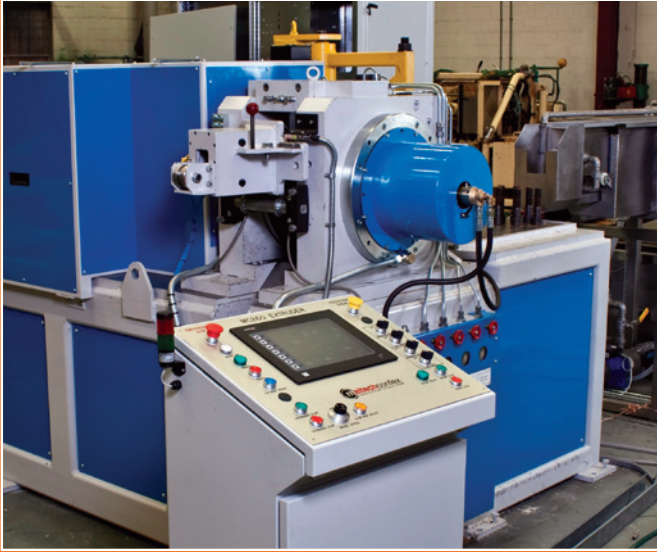


Cathodes



Rod coils up to 5,000 kg

Continuous Rotary Extrusion



Continuous rotary extrusion machine

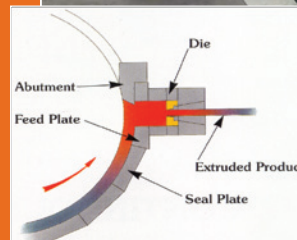
- Round rod to shaped section
- Machine model extrusion wheel diameter determined by product dimensions
- Production: 500 – 3,000 kg/hr depending on model and product dimensions
- Recommended feedstock: oxygen free copper rod
- Continuous production of strip section shape up to 5,000 kg

Draw/Roll straighten and cut to length

- For Busbar manufacture
- Automated production. Equipment specification influenced by the level of desired automation
- Strip lengths up to 6.0m long



Continuous extrusion line



Turnkey Project Management

Available on request from Rautomead

- Project definition consultancy
- Specification of equipment & scope of supply
- Coordination of equipment purchase, delivery, installation, start up and commissioning
- Co ordination of Technical service support



Cut to length

Project Finance

Financing of Turnkey Project investment over 3 – 5 years is available (conditions apply)

Photographs courtesy: BWE Ltd, Hanaka, HMP Meltech Confex, Metelec (Gindre Duchavany), Tusco Trafo

Rautomead Limited, Nobel Road, Wester Gourdie Industrial Estate, Dundee DD2 4UH, Scotland, UK
Tel: +44 (0)1382 622341 Fax: +44 (0)1382 622941 email: sales@rautomead.com

www.rautomead.com

rautomead[®]