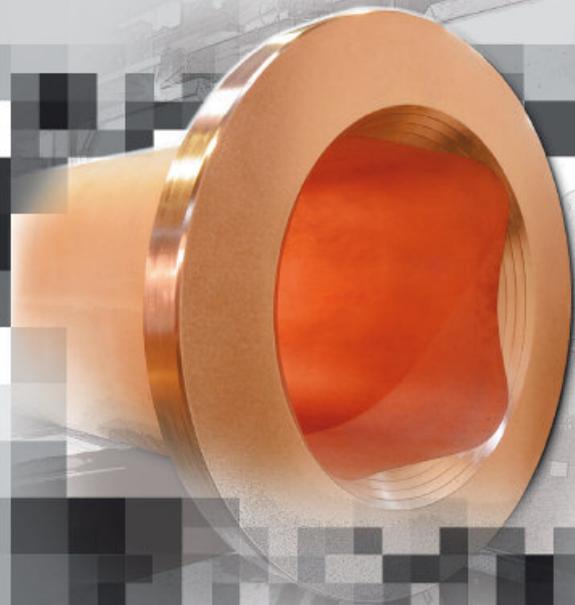


CRUCIBLES...

FOR THE REMELTING PROCESS



COPPER CRUCIBLE FOR SECONDARY METALLURGY

ENGINEERING & PRODUCTION OF HIGH-QUALITY CRUCIBLES AND COPPER MOULDS

Our crucibles are reliable and cost-efficient for all kinds of vacuum arc furnaces, electroslag remelting (ESR) and pressure electroslag remelting (PESR) plants thanks to their high durability.

The copper alloys used have been developed for all applications which place high to maximum demands on heat conductivity. In addition, a medium to high strength is obtained in order to ensure high service lives.

TESTING PROCEDURES SUCH AS...

- Ultrasound
- X-rays
- Pressure test

ensure a high quality standard during all stages of production

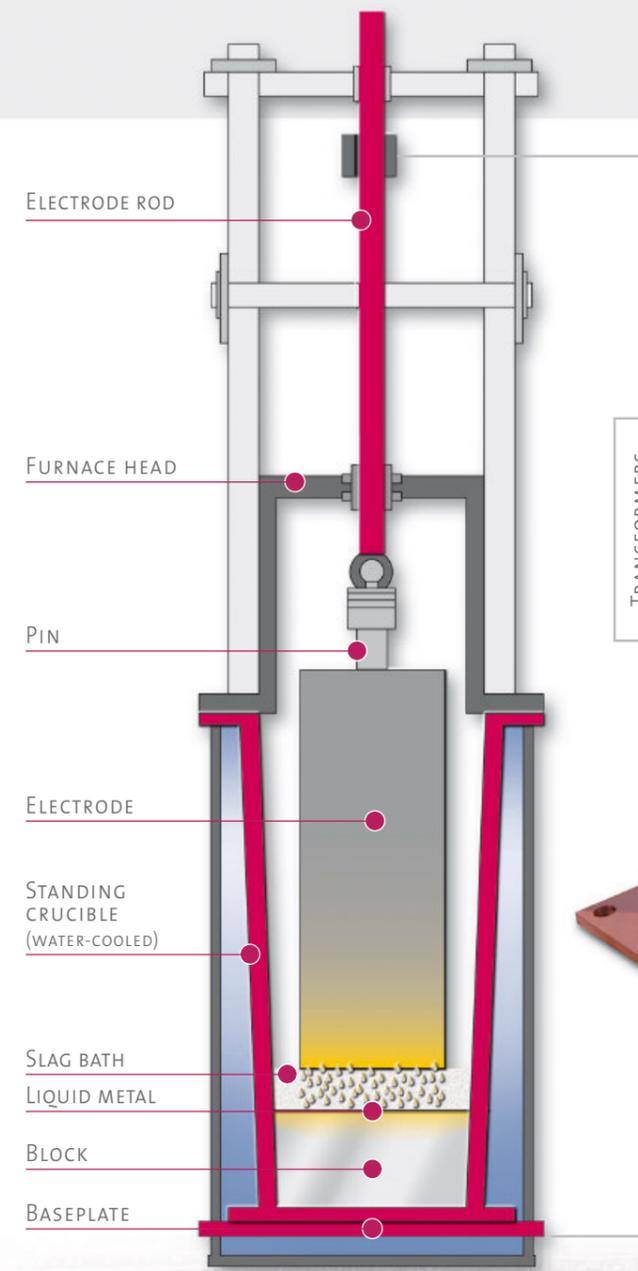
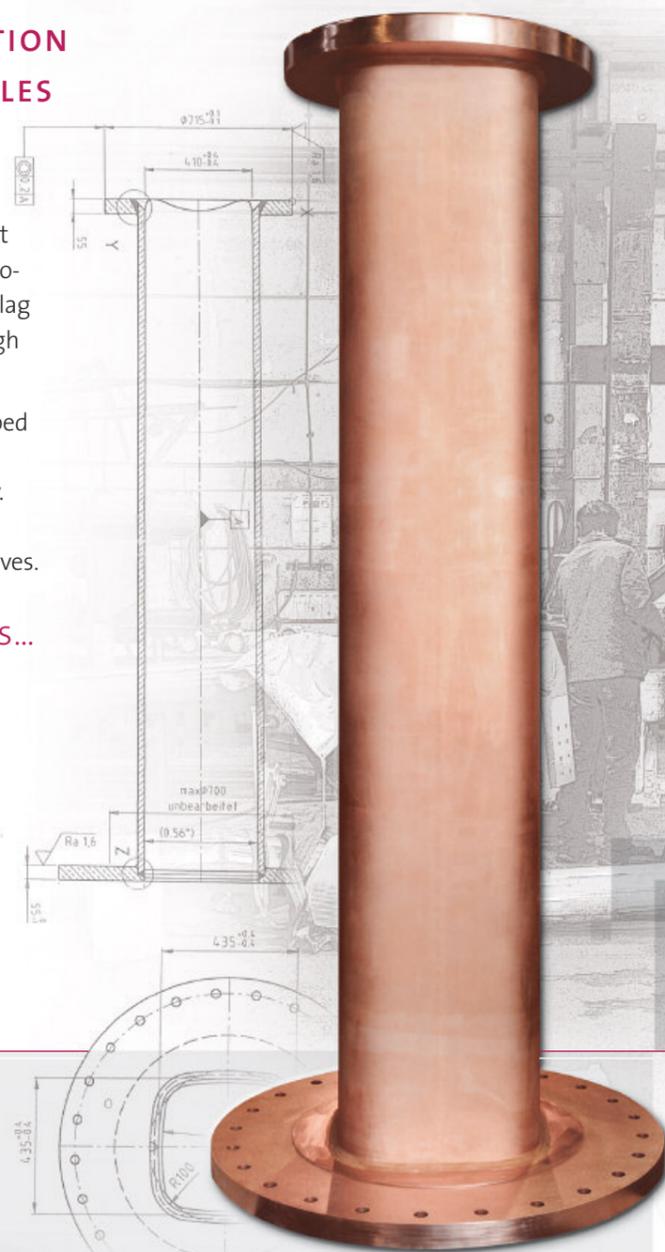
OUR SERVICE: MAINTENANCE + REPAIR

THE MAINTENANCE PROCESS...

- Cleaning service
- Straightening of deformed crucibles
- Build-up welding
- Repair
- Pressure test

CRUCIBLE REPAIR...

- Damaged crucibles are cleansed and the inner surfaces are re-plated with copper (copper layer 2-5 mm thick)
- Damages are refilled and mechanically processed in this way
- The procedure can be repeated as often as desired
- The advantage of a repaired crucible is that it is already in its final thermal state (unlike a new crucible)



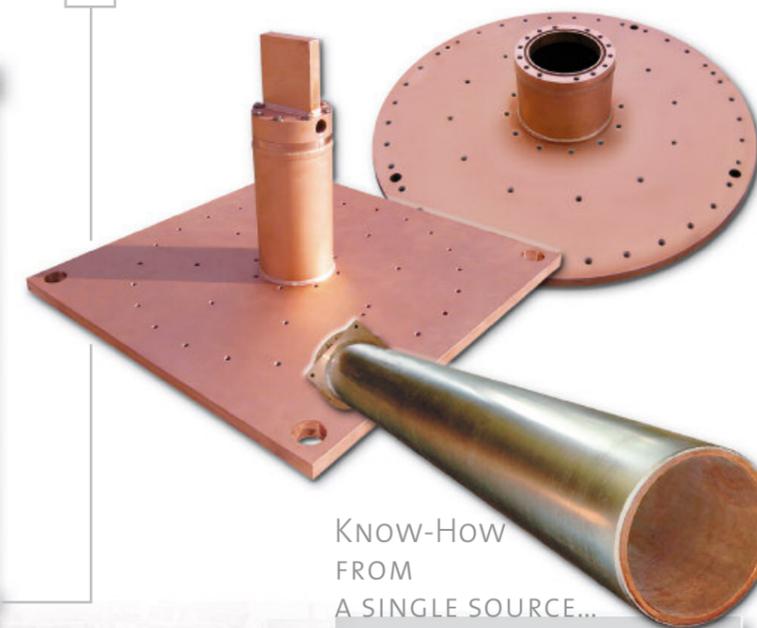
ESR

ELECTROSLAG REMELTING PROCESSES...

are used to meet the constantly rising quality requirements on the degree of purity, toughness and polishability of the blocks to be melted.

FOR THIS, FLOHE PRODUCES...

- Standing crucibles
- Sliding crucibles
- Crucible bases
- Electrode rods



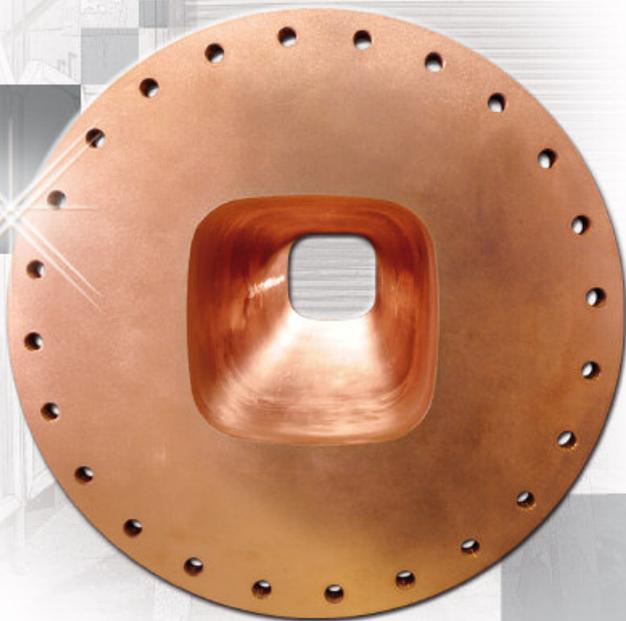
KNOW-HOW FROM A SINGLE SOURCE...

- Automated welding processes, incl. robots

FLOHE MANUFACTURES ...

- Longitudinally welded pipes
- Baseplates
- Plus all current-carrying components such as cables, copper current-supply lines and flexible connections





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www.FLOHE.com

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WE ARE THERE FOR YOU
24 HRS A DAY

CASTROP-RAUXEL

DORTMUND

