EMSCO
INDUCTION REPAIR & INSTALLATION SPECIALISTS

Understanding what you need and delivering it...every day.

Fast response I Quality 24 hour service I Servicing Europe
CORELESS AND CHANNEL FURNACES

EMSCO will rebuild or repair any type or size of induction furnace regardless of its original manufacturer. However extensive your project, EMSCO will handle your requirements, from a minimum-cost repair to a completely re-engineered rebuild.

EMSCO offers the same high-performance materials, quality, craftsmanship and testing on our furnace rebuilds that go into our coil repairs and rebuilds.

WATER-COOLED LEADS

Nothing disrupts your furnace production more than faulty water cooled leads.

Heat, abrasion, corrosion and poor water quality take their toll on water-cooled leads. With our dedicated plant space and state-of-the-art production equipment, you can count on both a fast response and high quality work. We can supply new or refurbish your leads to suit your business requirements.

If metal splash is causing you downtime on your induction furnaces, EMSCO’s exclusive brand of Firesleeve can be added to your rebuilt water-cooled leads and water hoses for your induction furnace. This protective coating provides superior heat and abrasion protection while protecting your water-cooled leads against molten metal splash, keeping your induction furnaces “up and running”.

Our original Firesleeve will provide protection against the hostile working environment.
INSTALLATION AND CONSTRUCTION SERVICES

Have you fretted and lost sleep because of uncertainties over the construction and installation projects that were key to the profitability of your operation? If you have and your profitability has been affected, EMSCO can eliminate this worry and distraction from your operation.

Serving as the “prime contractor” for foundries with installation and construction requirements for their new or used plant equipment, EMSCO has handled installation and removal of equipment “from the scrap yard to the pouring system and everything in between”.

SCHEDULED AND EMERGENCY SERVICE

When the unexpected occurs and your induction furnaces are down, EMSCO’s unique regional repair service stands ready to respond to your breakdown.

Just dial +44 (0) 114 273 8700 and you will have access to 24 hour-a-day emergency service from our regional service facilities every day of the year.

WORRIED ABOUT OEM REQUIRED OR RECOMMENDED MAINTENANCE?

EMSCO will handle the recommended maintenance on your induction furnaces with our custom preventive and periodic service programs to keep your production furnaces “up and running”. Programs can range from monthly inspections to custom “on site” visits to best fit your needs for qualified and trained maintenance services.

Parts Available When You Need Them!

As repair centres, only EMSCO maintains over £2,000,000 in strategically stocked inventory. This means that spare parts and materials needed for your rebuilds are, at most, only a few hours away.

In addition to material, only EMSCO offers regional field service capabilities. Many foundries rely on EMSCO as their “maintenance partner” in helping to keep them competitive in today’s ever changing market.

Call EMSCO today to see how they can help you with your Hand Furnace and Mini-Melt needs.
PUSHOUTS

Lining Pushouts for any make of Steel Shell furnace. Designed to minimise furnace reline time and exposure to refractory dust during furnace knockout.

FUME HOODS

Close capture fume hoods, single axis and double axis for all makes of furnace.

HIGH PERFORMANCE COOLING SYSTEMS

EMSCO can design, build and install a cooling system for a single furnace or for your entire induction system.

Utilizing modular construction techniques your system will arrive with pre-wired controls, piped and ready to drop into place.

Our systems are sized with flow rates of 15 GPM to 2000 GPM. Consult your EMSCO representative for an evaluation of your cooling needs.
EMSCO EMSCOAT Upgrades
Any make of induction furnace coil new or refurbished

INDUCTION COILS

An induction coil is the “heart” of your operation. As the heart, it must be kept healthy to keep the total system operational.

Whatever the type, make or size, EMSCO can assure that your heart remains healthy.

Our yellow EMSCOAT 2000 insulation being subjected to 230°C does not affect the dielectric strength of this material.

EMSCOAT 2000 is a premium insulating epoxy for high-voltage and vacuum furnace coils. It offers superior dielectric properties and thermal endurance, as well as excellent resistance to abrasion and antioxidation properties.

The unique feature of both EMSCOAT 2000 and CY-2000 is their heat sensitivity to temperature. Each will change from yellow to tan to brown to black, as it is exposed to temperatures.
Water Cooled Cables

Installations

Machined Parts & Insulation Products

Water Systems

Inspection & Testing

Furnace Repairs for any Make

Fast response | Quality 24 hour service | Servicing Europe
Tel +44 (0) 114 273 8700   Fax +44 (0) 114 275 2001

www.emscouk.com
Sales@emscouk.com