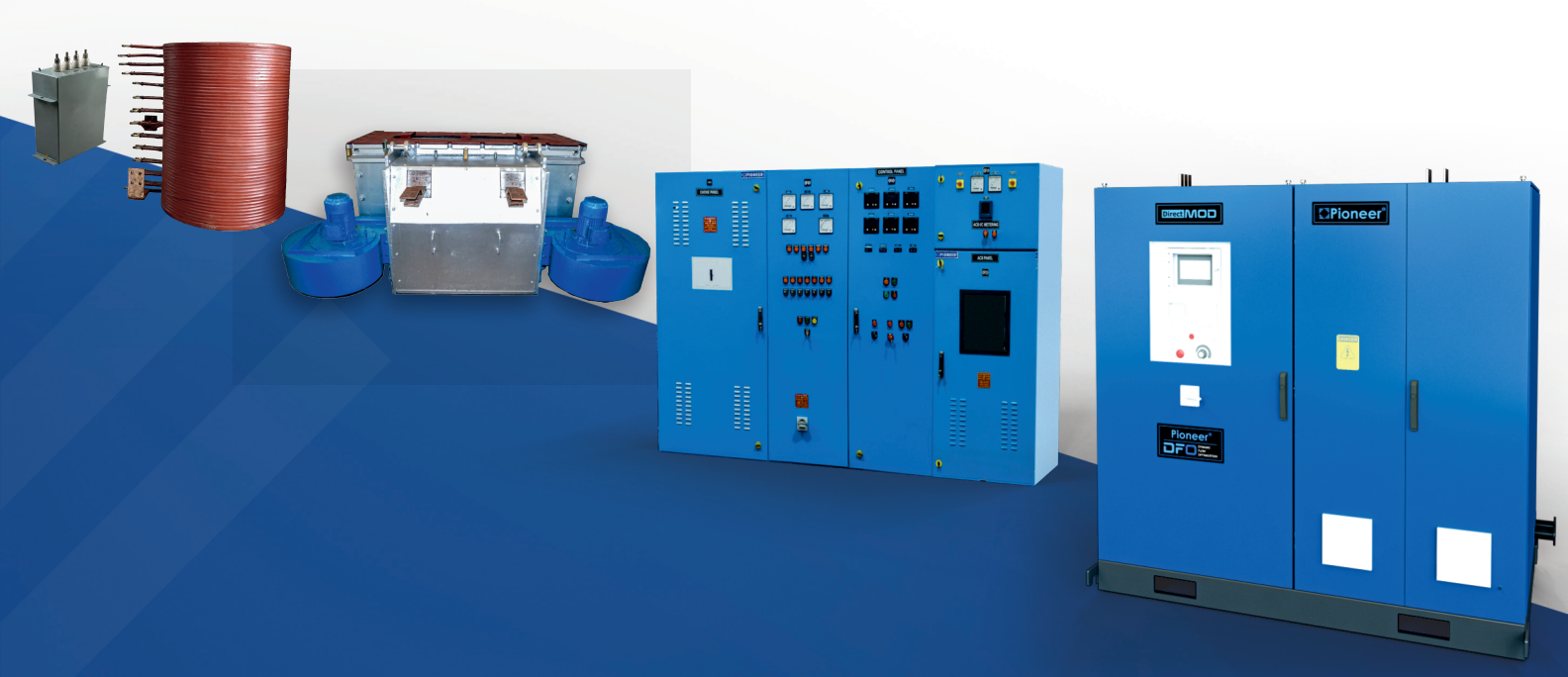


50+
Years of Legacy

AFTERSALES SOLUTIONS

Spare Parts and Customer Service



Pioneer Furnaces is a trusted name in the field of induction melting and heating technology, designing and manufacturing advanced induction furnaces for the non-ferrous metal melting, heating, heat-treatment, and coating industries since 1972. With an engineering legacy spanning over five decades, Pioneer is recognized for delivering robust, energy-efficient and highly reliable furnace systems backed by prompt and committed service support. The company is ISO 9001:2015 certified, reflecting its strong process discipline, quality orientation and customer-centric approach.

Reliability | Precision | Performance

Pioneer Furnaces delivers more than heating and melting equipment—we deliver confidence in continuous performance. As a global manufacturer and aftermarket specialist in induction melting, coating and heating technology. We provide complete lifecycle support to keep your systems operating at peak efficiency.

From critical spare parts delivery and services for emergency field support and predictive maintenance, our aftermarket solutions are built around one goal: maximum availability with Power & Automation Platform

ONE PARTNER. COMPLETE SUPPORT.

Our integrated aftermarket offering covers every aspect of your induction system

■ Spares:

OEM-grade and performance-enhanced spare parts for inductors, furnaces, power supplies, coils, transformers, water-cooling systems, water cooled cables, and auxiliaries. All components are application-matched, quality-tested, and available with fast global dispatch.

■ IGBT Power Panel:

Our state-of-the-art IGBT inverter technology for Induction Melting and Heating Furnaces, designed specifically for non-ferrous metals, has revolutionized the industry with its superior and consistent performance, ease of maintenance and intelligent control features.



Semiconductor fuses



Thyristors



IGBTs



DC link capacitors



Power Diode & Diode Module



■ Capacitors:

- ▶ Air Cooled - Non-self-healing type Air Cooled Capacitors
- ▶ Water Cooled Capacitors



Air Cooled Capacitor



Water Cooled Capacitor

■ Water-cooled Cables:

Flexible Water-Cooled Cables are used to carry high current



■ Coils:

Advanced repair, refurbishment, redesign, and replacement of melting and heating coils—including coreless, channel, and heat treatment inductors. Our engineering-driven approach strengthens high-wear areas to extend service life and improve efficiency as par or better even than standard OEM designs.

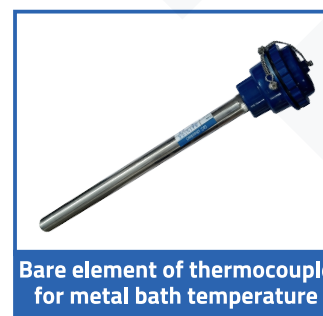
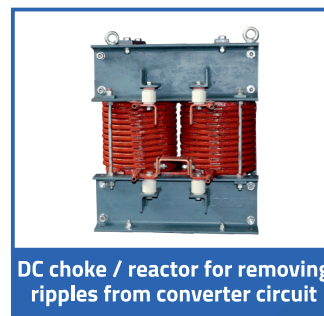


■ Inductors:

- ▶ High-performance channel inductors used for main pots and pre-melt systems.
- ▶ Our inductor coils are made of 99% pure oxygen free electrolytic grade rugged copper to minimize system losses
- ▶ Based on successful dynamic flow technology with air cooled inductor.
- ▶ Configurable power levels at various Kilowatts.
- ▶ Heavy-duty steel housing further enhances the mechanical strength and life of inductors.
- ▶ Forced-air cooling with energy efficient dual blowers.
- ▶ Fully interchangeable modular design of inductor assembly.
- ▶ Adaptability of emergency cooling for inductor.
- ▶ Thermocouples for real time measurement and display of bushing temperature



■ Standard PSU:



■ Availability of AMC

- ▶ **Faster Response, Less Downtime:** Priority attention to your breakdown calls.
- ▶ **Expert Troubleshooting & Repairs:** Quick diagnosis, professional repairs and replacement of defective parts (spares provided on a chargeable basis).
- ▶ **Permanent Solutions:** Detailed root cause analysis with corrective action to prevent repeat issues.
- ▶ **Transparency at Every Step:** Comprehensive inspection report will be shared after each visit.
- ▶ **Proactive Recommendations:** Recommended list of spare parts shall be provided to ensure preparedness and prevent unexpected delays.
- ▶ **Instant Expert Guidance:** Remote technical assistance via phone, email or video to resolve issues quickly.
- ▶ **On-Site OEM Support:** Professional support from our highly trained and experienced engineers whenever required.
- ▶ **Empowered Teams:** Hands-on training for your operations and maintenance staff to ensure safe, efficient and trouble-free equipment use.

■ Advantages of AMC with Pioneer Furnaces

- ▶ **Assured Reliability:** Regular preventive maintenance minimizes the risk of unexpected breakdowns.
- ▶ **Predictable Cost:** Fixed annual charges make it easier to plan and control your maintenance budget.
- ▶ **Priority Services:** Enjoy faster response and priority support for all service request.
- ▶ **Expert Care:** All services are carried out by our highly trained and experienced engineers, ensuring quality and precision.
- ▶ **Extended Equipment Life :** Regular care keeps your equipment performing at its best and prolongs its lifespan.
- ▶ **Comprehensive AMC:** Covers preventive maintenance, breakdown visits and supply of spare parts at 10% discounted prices.

■ Field Service & Emergency Response

Our industry-trained engineers are available round the clock for rapid on-site support-installation, commissioning, troubleshooting, breakdown recovery, upgrades, and system audits. Emergency assistance is available 24/7.

■ Preventive & Predictive Maintenance

Customized maintenance programs combining engineering expertise with diagnostic technologies such as thermal imaging and multiple point system health checks. These programs reduce unplanned downtime, prevent costly failures, and stabilize long-term performance.

■ SYSTEM RELIABILITY SERVICES (SRS) – Remote assess of Panel for trouble shooting

The IGBT PSU is equipped with global internet connectivity through HMI, enabling online access to the system. This allows our technical team to remotely monitor parameters and provide prompt troubleshooting support to customers.

■ Focused on Continuous Uptime Improvement

Even a single component failure can stop production. Our dedicated System Reliability Services team takes proactive action for root-cause analysis to eliminate recurring issues and strengthen overall system dependability.

Key reliability interventions include:

- Repetitive failure analysis and design enhancement
- Electrical, power, and control system diagnostics
- Water-cooling inspection, flushing, and optimization
- Coil life assessment and performance tuning
- Operator and maintenance team training

The result: higher availability, reduced operating costs, improved throughput, and fewer unexpected stoppages.

With strategically located service centres across India, expert support is always a call away.

FAST, RELIABLE SPARE PARTS-ANYWHERE

- Extensive global inventory
- OEM-standard and custom-engineered options
- Same-day dispatch on most components
- Reconditioned and upgraded parts available for critical applications

Our engineered enhancements often improve reliability and reduce lifecycle costs.

■ WHY PIONEER FURNACES

- OEM expertise with full aftermarket capability
- Proven focus on system reliability and uptime
- Rapid response with global reach
- Engineered solutions-not just replacements
- Support for any brand or make, any system, any stage of life

■ YOUR LONG-TERM AFTERMARKET PARTNER

Whether you need emergency assistance, planned maintenance, spare parts, or a long-term reliability strategy, Pioneer Furnaces stands with you throughout the life of your induction system.

Product Portfolio

- ▶ **Coreless & Channel Type Induction Melting and Holding Furnaces**
for aluminium, copper, and copper alloys (like brass, bronze, etc.) and zinc & zinc alloys
- ▶ **Custom-designed Induction Heating Systems**
specially for non-ferrous extrusion applications
- ▶ **Heat-treatment Furnaces**
for a wide spectrum of metallurgical applications
- ▶ **Coating Solutions**
Pre-melt furnaces
Launders
Pots with inductors for GI | GL | GA | ZAM | Al-Si | Galfan

Our Key Clientele



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