

FOUNDRY



**Complete list of our products for
the Foundry operations.**



FOUNDRY

FERRO ALLOYS

Ferro Alloys play a crucial role in the Steelmaking process by enhancing the properties of steel during its production by improving strength, hardness, ductility, and resistance to corrosion or wear, making the steel more suitable for Hot Rolling.

Ferro Manganese	Ferro Chrome	Ferro Silicon
		
Ferro Silico Manganese	Ferro Nickel	Ferro Vanadium
		

NEUTRAL RAMMING MASS

Made from high purity, high density and high strength fused magnesia and fused corundum, through optimizing material particle gradation and it ensures the material can flow under small vibration, which can obtain the higher bulk density.

- Good slag resistance
- Liquid metal corrosion resistance
- High temperature performance
- Thermal Stability



FOUNDRY

INDUCTION FURNACE

Induction Furnaces are a vital component in the Hot Rolling Mill process, providing an efficient and controlled method for melting and refining steel before it undergoes the next process.



+09 Induction
Furnaces supplied



HEATING TECHNOLOGY

INDUCTION HEATING**BILLET INDUCTION HEATER**

Induction Heaters play a crucial role in the Hot Rolling Mill process by providing precise and efficient heating of metals before they enter the next process.

Our induction heaters consist of intelligent motherboard controls, with the latest optimized circuit technology, providing for a more stable and accurate heating process.

- Automatic constant temperature control.
- Excellent workpiece temperature uniformity.
- Modular assembly, quick coil replacement.
- PLC motion control, precise workpiece motion control.



FOUNDRY

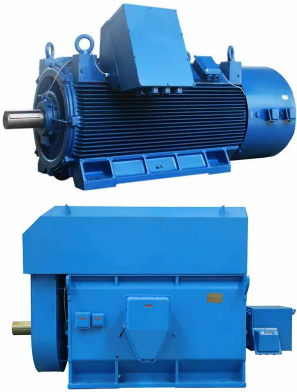
INDUCTION FURNACE**Spares & Consumables**

Furnace Coil	PCB Cards	Slag Pots
		
Coil Grout	Ramming Machine	Ramming Mass
		
Furnace Crucible	Capacitors	Pumps
		
Pyrometer	Rectifier Transformer	Contact Blocks
		

YOUR DEDICATED PARTNERS IN

GENERAL INDENTING

Unisons has been carrying out General Indenting services since 1999, supplying essential industrial items tailored to meet the unique demands of our valued customers. With a commitment to reliability, efficiency, and aftersales services, we are your trusted partner for streamlining operations and driving productivity.

**Motors**

AC, DC & Universal

Cardan Shaft

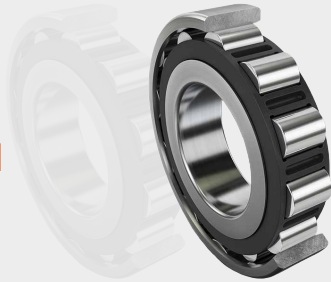
For all Industrial purposes

Magnets

For every Industrial need

Bearings

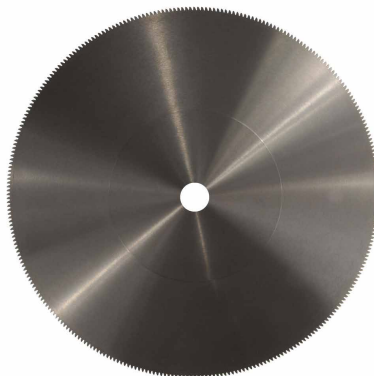
For all industrial applications.

**Stainless Steel Pipes & Fittings**

For all industrial applications.

**Saw Blades & Disc Springs**

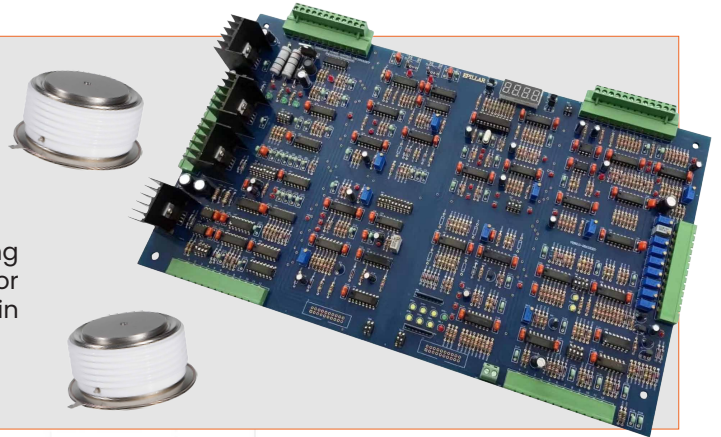
High-performance cutting tools designed to handle extreme temperatures. Built for durability, they ensure precision and efficiency in demanding industrial applications.



PCB Cards & Thyristors

For all industrial applications.

Essential components in industrial electronics, enabling efficient power control and management. Designed for reliability, they support high-performance operations in steelmaking and other heavy industries.



Electrical Transformers



Inverters



Thermocouple Rods

For temperature measurement with precision.

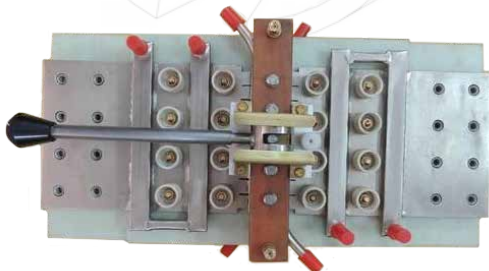


Hydraulic Seal Cylinder

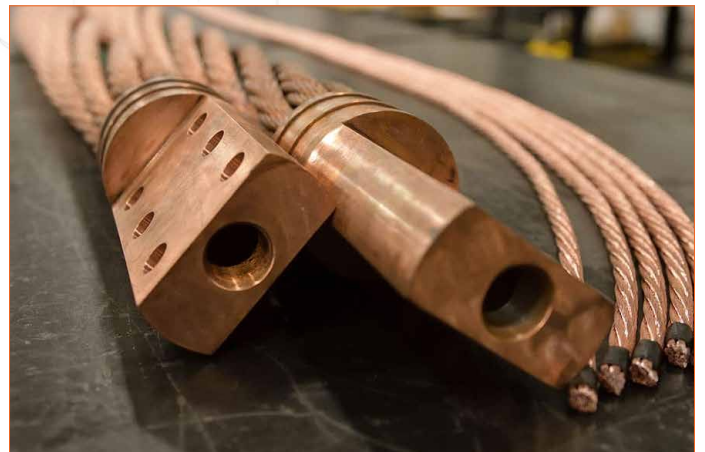
For all industrial applications.



Furnace Switch



Water Cooled Cables



Smart **MELT**

DIGITALIZE YOUR STEEL MAKING.

**ACCESS YOUR DAILY
PRODUCTION, REPORTS,
TRENDS AND ERP**

ANYWHERE, ANYTIME.

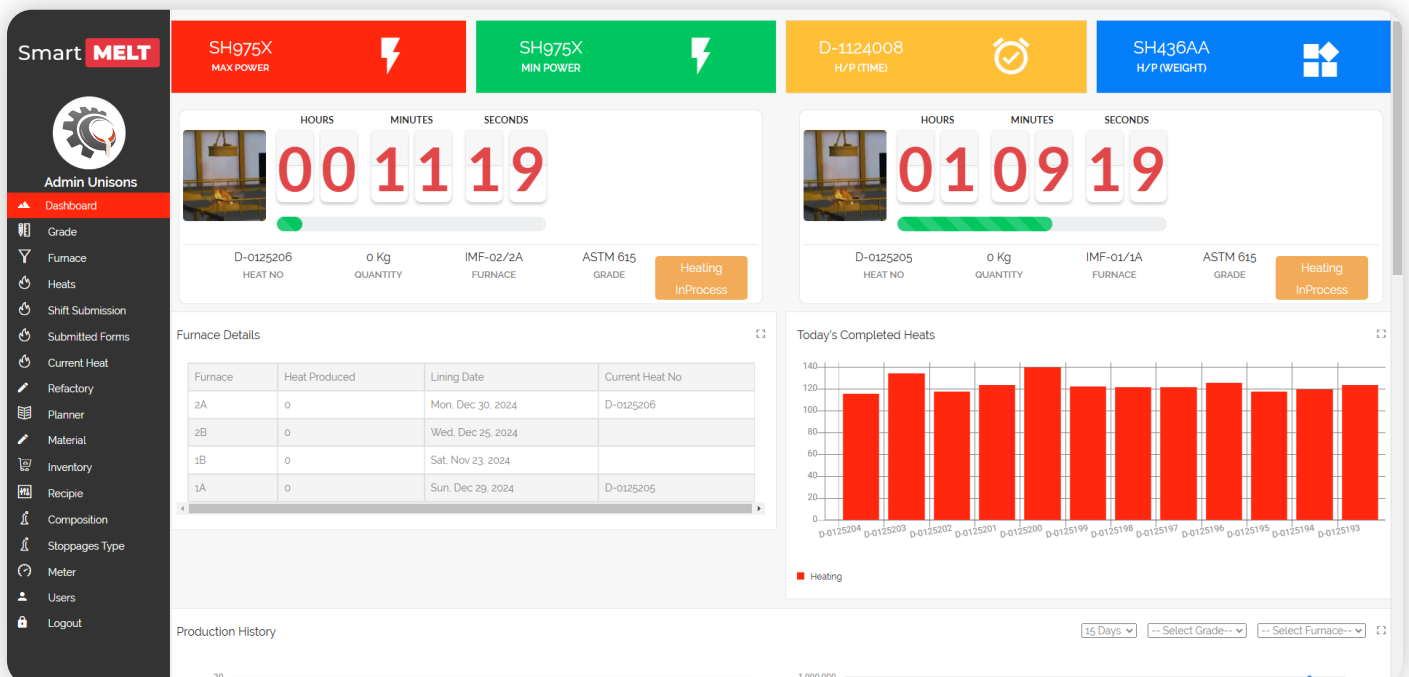


Smart Melt is a new innovation in the world of Metallurgy. It is an application by Unisons that allows users to completely digitalize their Steelmaking process and make their day-to-day trends and reports available to them anywhere, anytime!

From the Scrapyard to final production, Smart Melt has the capability to record, maintain and display all data to you, which will help you to analyze your production cycle in a more efficient and profitable way.

Manage all your Melting processes and data from one place.

Smart Melt allows users to manage and operate the entire Steelmaking process, keep track of all current heats and manage data, including scrap and alloy consumption, power consumption and other vital information across multiple sites centralized into one device.





50+ Projects & Consultations

20+ Revampings

10+ Project Feasibilities

9+ Induction Furnaces

8+ Rolling Mills

7+ CCMs

3+ Dust Control Systems

2+ Reheating Furnaces

2+ Billet Induction Heaters



B-452, Phase-2 Gulshan-e-Hadeed
Bin Qasim, Karachi-75010, Pakistan.



unisons@unisons.com.pk
salespk@unisons.com.pk



+92 346-55-55-22-6
+92 21-347-1211-0



www.unisons.com.pk