



UNISONS
STEEL SOLUTIONS (Pvt) Ltd.
Design, Engineering, Layout & Project Execution company.

Smart **MELT**



SMART MELT

ANOTHER INNOVATION IN THE
**METALLURGY
INDUSTRY**

BETA VERSION

Follow us @unisonssteelsolutions



KEEP TRACK OF YOUR STEEL PRODUCTION ANYWHERE. ANYTIME.



DIGITALIZE YOUR STEEL PRODUCTION

Smart Melt is a new innovation in the world of Metallurgy. An application that allows you to completely digitalize your Steel Making process and make your day-to-day **Trends** and **Reports** available to you, 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.

For long we have depended on manually recording our day to day resource consumption in our production process.

Unisons Steel Solutions (Pvt) Ltd brings you a solution to not only digitalize your daily trends and reports but to centralize all your data across multiple sites in one simple application we call **Smart Melt**.



Trends

Smart Melt will help you keep track of your **day-to-day activities** with just a few clicks. Track all your daily trends ranging from Scrap Usage, Alloy consumption, Temperature measurement and similar **tasks that need to be recorded on a daily basis**. **Smart Melt** will help you keep track of all such tasks and make them available to you anytime you want.



Reports

Recording and keeping reports updated is a mundane and tedious task but **Smart Melt** can help you **digitalize all your reports** across multiple sites and centralize them for you in a single place. This will help users to analyze their production process more easily and efficiently resulting in **more opportunity for improvement**.



ERP Sync

Data synchronisation with an **ERP system** is essential for any business to stay competitive in today's modern era. Hence, **Smart Melt** allows users to **synchronise all their data** across multiple sites seamlessly to improve resource management and stay updated with all day-to-day activities.

*This application is in beta.



Key Features



Complete calculation of the utilization of Scrap. The amount that was successfully melted as well as the amount wasted.



Keep track of your Alloy consumption. The various types of alloys used in the composition as well as the total amount of alloys used.



Calculate the total Furnace operation time. Record your power usage at various intervals during furnace operation and note the gradual increase in power.



Centralized monitoring allows for better Quality Control and management of operations across multiple locations.



Keep record and maintain the energy consumed for each heat of all crucibles/furnaces/sites in terms of kwh/ton.



Synchronize your Alarm and monitoring systems with Smart Melt to keep track of any errors during the production process.



Record temperatures measured at different as well as the total amount of power consumed during the entire steel making process in terms of per ton of Steel produced.



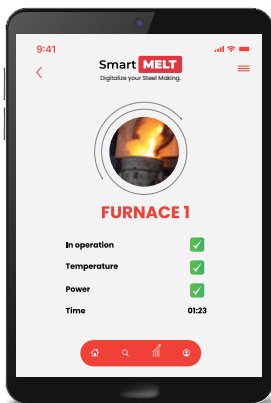
Keep track of the sampling time as well as the time taken during the testing phase. Record the various results of Spectro test.



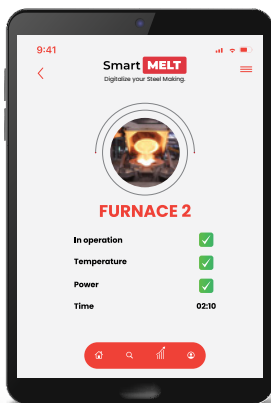
The synchronisation of ERP allows users to keep track of their daily activities and manage resources in a more cost efficient way.



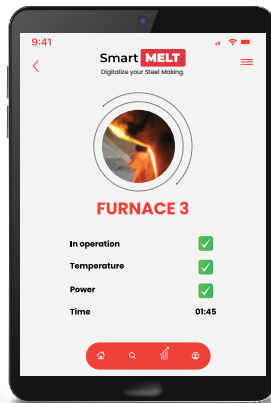
Automatically get the chemical composition from the spectrometer (if Spectrometer has the option). The composition could be stored sample, heat or furnace wise.



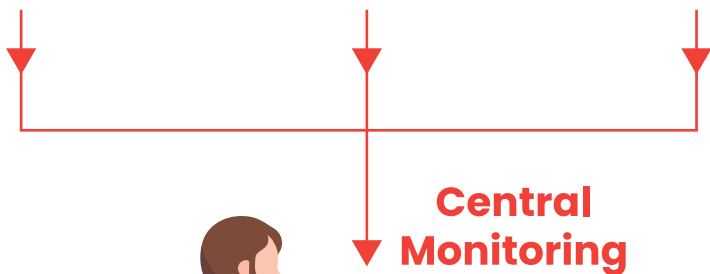
Tablet 1



Tablet 2



Tablet 3



**Central
Monitoring**



Get in Touch



www.unisons.com.pk
www.unisonsinternational.com.pk



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



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



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