

## Digital Batching & Smelting



## FRP® melt

THE integrated IT solution for best practice in melting and furnace operations

- MELT PROCESS PLANNING
- ACCURATE CHARGE COMPOSITION AND POST CHARGE COMPOSITION
- PRELIMINARY COSTING

- ENERGY MANAGEMENT
- DETAILED DOCUMENTATION
- ONLINE SUPPORT



### **Digital Batching & Smelting**



#### **ENERGY MANAGEMENT**

FRP®.melt reduces energy consumption per ton and supports energy management at the point of highest consumption, which in turn leads to considerable cost savings.

#### **DETAILED DOCUMENTATION**

FRP®.melt is starting with the calculation of an optimal charge composition, all the steps of the melting process are recorded, documented and then made available for detailed evaluation.

# UP TO 30% IN MELT-SHOP OPERATION SAVINGS POTENTIAL



**RGU**CAST IN

SOFTWARE

#### MELT PROCESS PLANNING

FRP®.melt delivers extensive melt process planning for all melt and treatment steps at charge, ladle and casting levels.

# ACCURATE CHARGE COMPOSITION AND POST CHARGE COMPOSITION

FRP®.melt optimizes the usage of materials, especially of expensive metals, by means of accurate (post) charge composition.

#### PRELIMINARY COSTING

FRP®.melt enables preliminary costing to be carried out, calculating the requirements for scrap, alloying materials and metals.

#### ONLINE SUPPORT

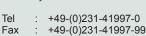
FRP®.melt provides online support for the smelter, reduces melt times significantly and thus increases melt capacity.



- Display the levels in the melting tools and mould areas
  - Select different online searches in the mask
- Different target values possible depending on treatment steps
  - Set up complete material test plans as part of materials database
- Use of the standard functions of maintenance
  - Administration of furnaces, ladles, cast and transport equipment
- FRP®.melt as an integrated component of MES/PPC
  - Detailed planning of forms, casts, melting (sequence, batch, schedule)
- Cheapest form and cast sequence derived
- Monitoring of energy consumption for each melting procedure
- Complete materials cost calculation
- Interactive operator guidance

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