



- MELT PROCESS PLANNING
- ACCURATE CHARGE COMPOSITION AND POST CHARGE COMPOSITION
- PRELIMINARY COSTING
- ENERGY MANAGEMENT
- DETAILED DOCUMENTATION
- ONLINE SUPPORT



### ENERGY MANAGEMENT

FRP<sup>®</sup>.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<sup>®</sup>.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



### MELT PROCESS PLANNING

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

### PRELIMINARY COSTING

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

### ONLINE SUPPORT

FRP<sup>®</sup>.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<sup>®</sup>.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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