Melting

MF Induction Furnace Type IFM

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Meltprocessor PRODAPT® - Advanced

PLC-based calculation of energy request according to the furnace content

Control of energy supply for melting and holding operation, as well as for cold-start and sintering

Monitoring and visualization of operation data and conditions

System monitoring and alarm function

Reporting function

Data exchange with SCADA systems possible

2 furnaces, 1 converter – TWIN-POWER® principle

Converter power freely distributable between both furnaces

Melting in one furnace and simultaneously sintering or holding in the other possible

Improved usage of the converter

Lower maintenance costs

Lower investment costs compared to separated power supplied

Available systems

- Meets requirements for melting ferrous and non-ferrous alloys
- 8,000–65,000 kg capacity (related to cast iron)
- Power supplies between 1 MW and 42 MW available

Enhanced safety

- Improved ground fault detection system
- Automatic test of bath grounding
- Automatic reactivation of detection system after manual deactivation
- Automatic self-test
- Furnace coil designed as headgehog-coil to avoid breakthroughs

Coil Design

- Long lifetime, based on rectangular copper profile
- Segmental technology allows “breathing” of the coil
- Low energy consumption
- Headgehog coil for higher safety

Furnace Design

- Open design for easy maintenance
- Water-cooled magnetic yokes
- Separate furnace head for easy exchange reduces downtimes
- Segmental technology
- Pouring spout in tilting axis of the furnace to avoid moving pouring stream
- Low noise generation
- Optimized fume-extraction with ABP ECOTOP® hoods

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Advantages at a glance

- For ferrous and non-ferrous metals
- For high melt performance
- High reliability and availability
- Low energy consumption
- High operational safety
- Maintenance friendly design
- Low life cycle costs
Your Contacts

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