Melting
MF Induction Furnace Type IFM-S

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Meltprocessor PRODAPT® - Enterprise

PC-based solution
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
- For steel and steel alloys
- 8,000 – 65,000 kg capacity
- 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 hedgehog-coil to avoid breakthroughs

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

Furnace Design
- Open design for easy maintenance
- Water-cooled magnets poles
- Separate furnace head for easy exchange reduces downtimes
- Pouring spout in tilting axis of the furnace to avoid pouring stream
- Low noise generation
- Optimized flue-voreration with ADP ECOTOP® hoods

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Advantages at a glance

- For steel plants
- 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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