

Melting

MF Induction Furnace Type IFM-S

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SUCCESS.

MF Induction Furnace

Type IFM-S

Available systems

- For steel and steel alloys
- 8.000 – 65.000 kg capacity
- power supplies between 1 MW and 42 MW available

Enhanced safety

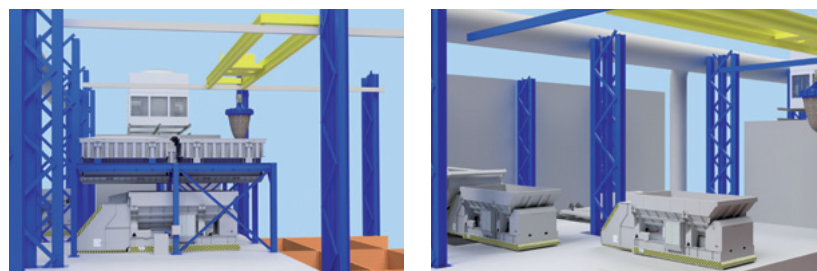
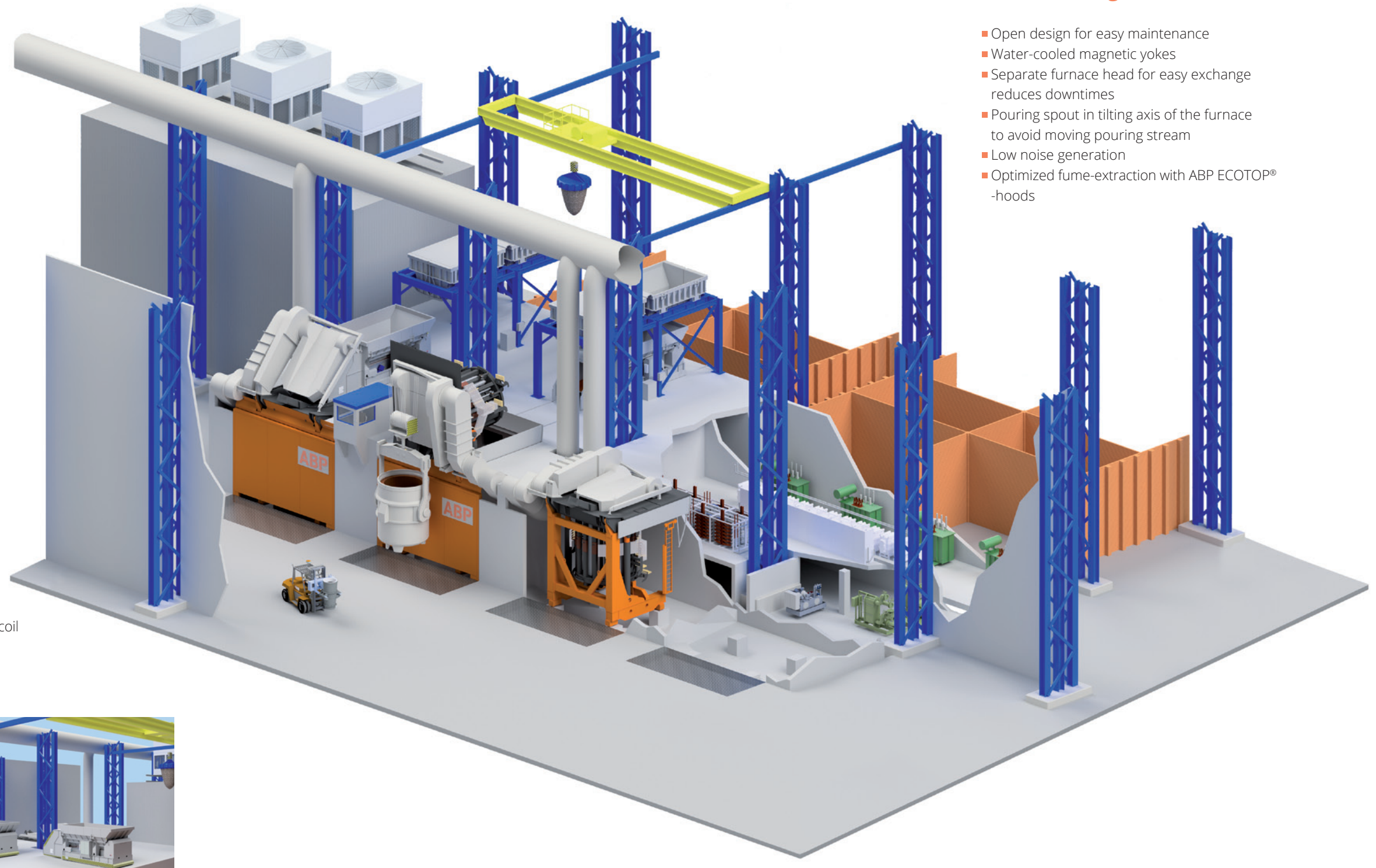
- Improved ground-fault detection system
- Automatic test of bath-grounding
- Automatic reactivation of detection system after manual deactivation
- Automatic self-test
- Furnace coil designed as headhog-coil to avoid breakthroughs

Coil Design

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

Furnace Design

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

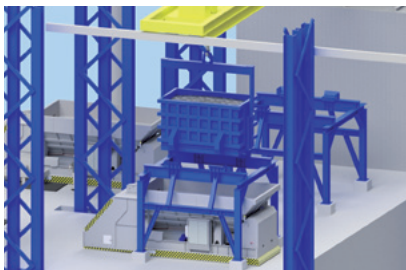


Meltprocessor PRODAPT® - Enterprise

- 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

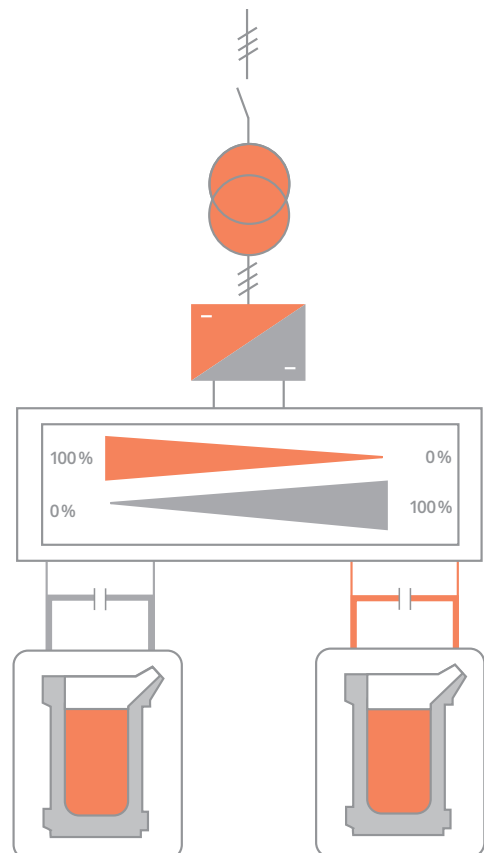


Meltprocessor PRODAPT®



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

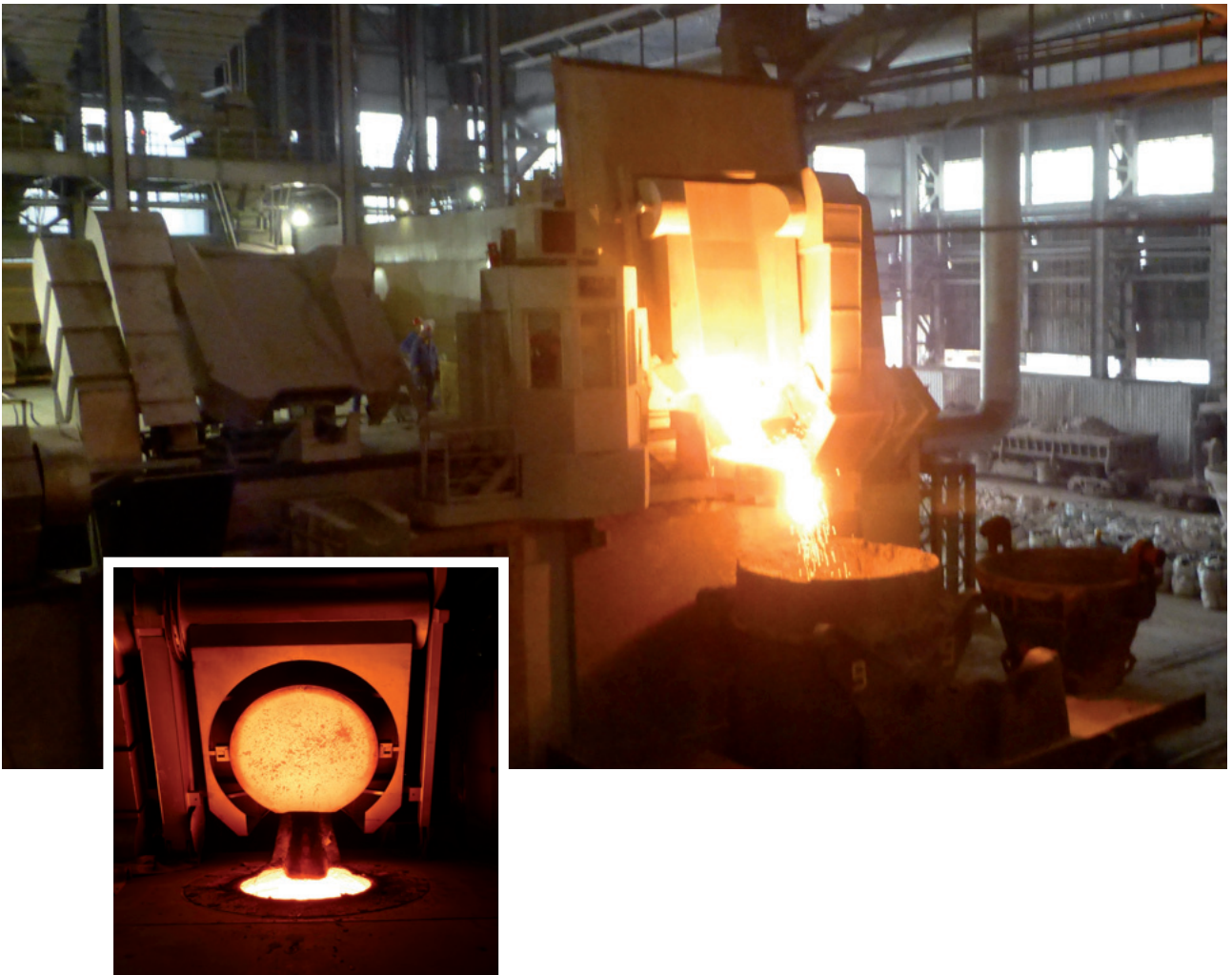


TWIN-POWER® principle

Type IFM-S

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



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