



H2 REHEATING FURNACE



This system can use various fuels: natural gas, hydrogen, and blends. It employs a Fuel & Oxidizer Hybrid Reheating Furnace with air as the oxidizer, allowing up to 50% oxygen enrichment. It reduces CO2 emissions with natural gas and achieves zero CO2 emissions with hydrogen.

Furthermore, the system features an Oxycombustion Fuel Hybrid Reheating Furnace, which operates exclusively with 100% oxygen as the oxidizer. When running on natural gas, it exhibits lower CO2 emissions, and when powered by hydrogen, it attains zero CO2 emissions. Notably, this configuration significantly diminishes NOx emissions to nearly zero, aligning with a commitment to environmental sustainability.

HOT CHARGING SYSTEM



Our cutting-edge solution not only redefines industry standards but also optimizes processes, reducing production times and significantly boosting profitability.

Allowing the introduction of materials during furnace operation, eliminating downtime. This innovation maximizes furnace utilization, ensuring a constant production flow, reducing costs, and enhancing workplace safety.

Backed by years of industry experience, propels your operation to new levels of productivity and profitability. Join us in shaping the future of metallurgy with a system that makes a difference in performance, sustainability, and profitability.

WATER TREATMENT PLANTS



We specialize in optimizing water-based industrial processes, including heating, cooling, processing, cleaning, and rinsing of untreated water. Our methods vary based on specific material contact requirements, utilizing non-contact water techniques in applications like the Meltshop and direct-contact water processes in scenarios like Continuous Casting.

Our expertise extends to purifying industrial wastewater, ensuring compliance with regional standards. We provide customized water treatment plants for diverse industrial contexts, incorporating innovative systems like GEM (Gas Energy Mixing) and Flotation. Strategic partnerships with industry leaders like CLEAN WATER TECHNOLOGY and ZEWATECH further strengthen our position in sustainable water treatment solutions.