STEEL

RH Degasser
There for you, wherever you need us

The more closely we work with our customers, the greater the impact we can make for them. So a global network of offices, research centers, and production sites is important to us, and to them. We are continuously extending our global reach to be closer to even more customers.

Being closer to customers doesn’t just mean we can be more responsive to their needs. It also helps us to listen better — to understand their concerns, cultures and ways of working. It makes us alert to new ways of thinking and ideas that enable us to deliver even better advice, services, and solutions.

Our exceptional resources and expertise extend far beyond making and selling products. We provide solutions to customers worldwide for cover projects, material specifications, thermal studies, numerical simulations, follow-ups and technical support in application of minerals, and maintenance and electromechanical services for refractory equipment.
The RH Degasser

- Gas Duct
  - RADEX

- Alloy Chute
  - RADEX

- Upper Vessel
  - RADEX

- Lower Vessel
  - RADEX
  - ANKROM

- Throat
  - RADEX
  - ANKROM

- Bottom
  - RADEX
  - ANKROM

- Snorkel
  - RADEX SNORKEL
Today, high-grade steel is more in demand than ever before. To produce top-quality steel economically, degassing is indispensable. And wherever quality steel is produced, you will find RHI Magnesita refractory products and systems.
Types of Magnesia Chromite Bricks

**RADEX**
- Direct Bonded
  - Based on sinter magnesia and chromite
  - Universal usability in most areas of the working lining
  - Standard brick type for permanent lining
  - Excellent thermal shock resistance

**ANKROM**
- OXICROM Sinter
  - Based on pre-reacted co-clinkered magnesia chromite sinter
  - Working lining application in snorkel, leg and lower vessel
  - Best compromise between corrosion, erosion and thermal shock resistance

**RADEX**
- Rebonded
  - Based on fused magnesia chromite
  - For working lining areas with high chemical and mechanical wear
  - Excellent corrosion and erosion resistance
Product Variety of Bricks & Mixes

RADEX, ANKROM
Magnesia Chromite Bricks
- Based on sinter magnesia, chromite, OXICROM sinter or fused magnesia chromite
- Fired at temperatures above 1600 °C
- Highest refactoriness

RADEXSNORKEL
Prefab Parts
- Ready for use
- Quick installation
- Tailor-made by specialists

ANKERJET, PERMASIT, ANKERMIX, DIDURIT, COMPRIT
Mixes
- Versatile range of mixes for ramming, casting and gunning
Prefabricated Snorkel

RHI Magnesita ready-for-use components — for highest lifetime.

Reliable quality confirmed by more than 2000 delivered prefabricated snorkels per year.

- Quick installation
- Tailor-made by specialists
- Ready for use

Construction Features

- Innovative cone/gusset plate holding system for bricks
- Special brick shapes adapted to brick holding structure
- Bonded and castellated lining configuration
- Argon tubing between steel shell and inner brick lining
- Outer castable reinforced with stainless steel grid
Prefabricated Parts

A precise lining starts at our manufacturing plant, trial assembly guarantees trouble-free and easy installation on site.

High dimensional accuracy by:
- Precise molding
- Advanced pressing and firing technologies
- Sophisticated finishing and assembling methods

Prefabricated Throat Rings
- Bonded & castellated construction
- Preassembled, glued and bandaged or trial assembled and numbered

Heating Port
- Machine pressed bricks
- Opening drilled after assembling

Alloy Chute
- Round and square openings available
- Square opening manufactured by precise saw-cutting
AGELLIS® Solutions

VISIR-FurnaceSafe
Furnace breakout prevention

User Benefits & Advantages

- Early “hot spot” detection and warning
- Used with LF, RH, EAF, AOD, LD/BOF
- Historical database open to process metallurgist

More Information
**ANKERJET A**

**Application:**
Multi-purpose pressure vessel machine for basic and non-basic mixes

**Advantages:**
- Useable in a variety of aggregates
- Consumption data recording
- Different equipment variants available (e.g. load cells, detachable silo, ...)
- Charging by crane or forklift
- Low maintenance and wear costs
- Easy-to-use automatic and manual operation
- Transportable by crane and forklift
Application:
Multi-purpose pressure vessel machine for basic and non-basic mixes

Advantages:
- Useable in a variety of aggregates
- Small hopper with bag ripper for charging 25 kg paper bags
- Mobile design means flexibility of application
- Low maintenance and wear costs
- Pneumatic driven machine (no electricity required)
- Easy manual operation
ANKERGUN

Application:
Multipurpose rotary gunning machine for basic and non-basic mixes

Advantages:
- Useable in a variety of aggregates
- Small hopper with bag ripper for charging 25 kg paper bags
- Mobile design allows flexibility of application
- Continuous gunning mix feeding
**RH-Gun**

**Application:**
For inside and outside gunning of RH snorkels mounted on a maintenance car

**Advantages:**
- Increased RH snorkel durability
- Full automatic gunning operation
- Manual gunning operation by radio remote control possible
- Less physical strain on operating personnel