

Tradition @ its best

Traditional design – technology at its roughest – highest flexibility

Rotary kilns are used in the mineral industry for **processing of various minerals** such as nickel, iron, zinc, vanadium, limestone, expanded clay etc. The rotary kilns are designed for reliable operation in the different processes dealing with **high throughputs and high temperatures**. thyssenkrupp Industrial Solutions' rotary kilns reliably fulfil the client's requirements and are capable of intermittent mechanical and process overloads during normal operation.

Different sealing systems for kiln feed end and discharge end are available for most economic operating conditions, in order to avoid emissions and false air intake.

thyssenkrupp Industrial Solutions offers standardised kiln type series (up to 6.2 x 135 m) as well as individually designed minerals kilns with special equipment for various applications and requirements in the minerals industries, in order to ensure best results.

The rotary kilns are driven with a girth gear pinion drive either as single or double pinion version.

To countervail the up-/ downhill movement forces of the inclined kiln, each kiln is equipped with a hydraulic thruster ensuring uniform wear of tyres and rollers with regular enforced kiln movements.

In combination with a rotating screen, shell fans, kiln internals, dam rings and scoop feeder the rotary kilns can be individually upgraded for various applications and demands, thereby achieving the best solution for our clients.

Rotary Kiln



Fields of application

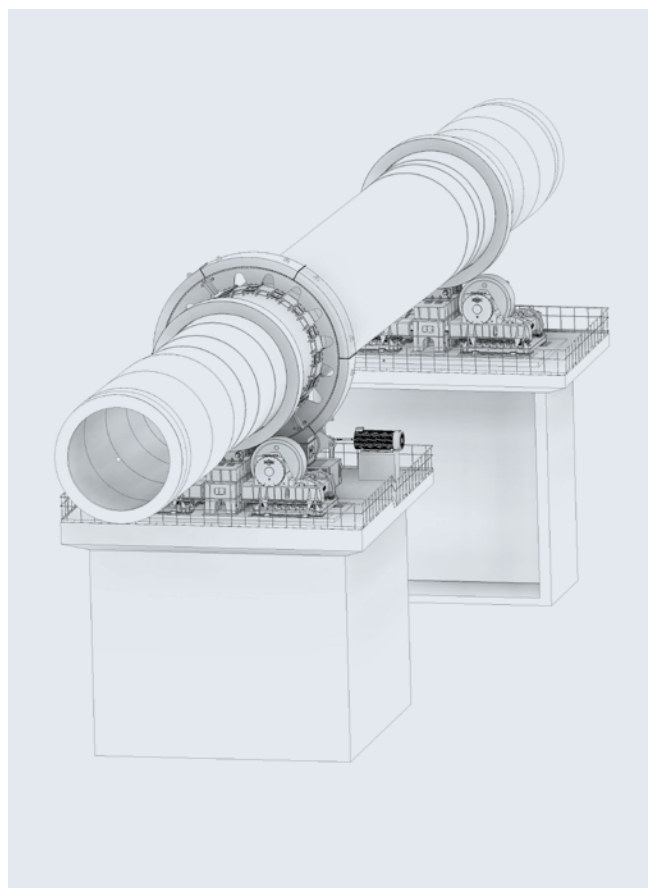
- Calcination
- Sintering
- Pre-reduction
- Roasting
- Volatilizing (e.g. Waelz kilns)

Main features

- High availability
- Low maintenance costs
- High flexibility in throughput and thermal load
- High flexibility in adjusting the temperature profile to achieve required product quality

Design parameters

- Daily output: up to 4000 tons
- Temperature: up to 1800 °C
- Diameter: up to 6.2 m
- Length and internals: depending on process requirements
- Single or double kiln drive



Contact

thyssenkrupp Industrial Solutions AG
Graf-Galen-Straße 17
59269 Beckum, Germany
Phone: +49 2525 99-0
E-mail: pyro.tkis@thyssenkrupp.com
www.thyssenkrupp-industrial-solutions.com/pyroprocessing

Sales Agent

© 2016 Product specifications and prices are subject to change without notice or obligation. The photographs and/or drawings in this document are for illustration purposes only. The operation values are considered to be approximate and will be finally determined on the basis of the specific task and the material characteristics. The only warranty applicable to our equipment is the standard written warranty applicable to the particular product and sale and thyssenkrupp makes no other warranty of accuracy, reliability, completeness, merchantability or fitness for any purpose, express or implied. Products and services listed may be trademarks, service marks or trade-names of thyssenkrupp and/or its subsidiaries in Germany and other countries. All rights are reserved.