



The optimum solution for every application

thyssenkrupp Industrial Solutions was one of the first to supply high-pressure grinding rolls, and is one of the world's leading suppliers. Two of our wear concepts, the compound cast roll body and the forged roll body with studs, achieve maximum performance in a wide range of raw material, cement and slag grinding applications.

Since the polycom[®] high-pressure grinding roll was introduced in 1985, thyssenkrupp Industrial Solutions has continuously improved the wear protection of the rolls. Our customers can count on an optimum, reliable wear protection solution to meet their highly diverse requirements.

For moderate wear conditions, forged rolls with hardfacing are used as a cost-effective standard solution. At high pressure loads, fatigue-free compound cast tires ensure low wear rates and an extremely long service life. Roll bodies with a range of different hard metal studs and side protection concepts are available for particularly abrasive environments.

Depending on the nature of the material to be ground, our wear protection solutions achieve service lives of over 70,000 operating hours with maximum operational reliability.

The high degree of reliability and optimum selection of wear protection allow existing grinding plants to maintain production output and reduce scheduled maintenance to a minimum.

Of all wear protection solutions available worldwide, original compound castings from thyssenkrupp offer the greatest reliability against breakage and damage.

The efficiency of the polycom[®] high-pressure grinding roll can thus be utilized to the full.

Your service advantages

- Customer-tailored material options depending on the required hardness and wear resistance
- Maximum operational reliability
- Minimum maintenance at maximum production
- Reuse of the shaft thanks to a two-part solution
- Continuous product development