

[Roll Crusher. HRC]

HAZEMAG

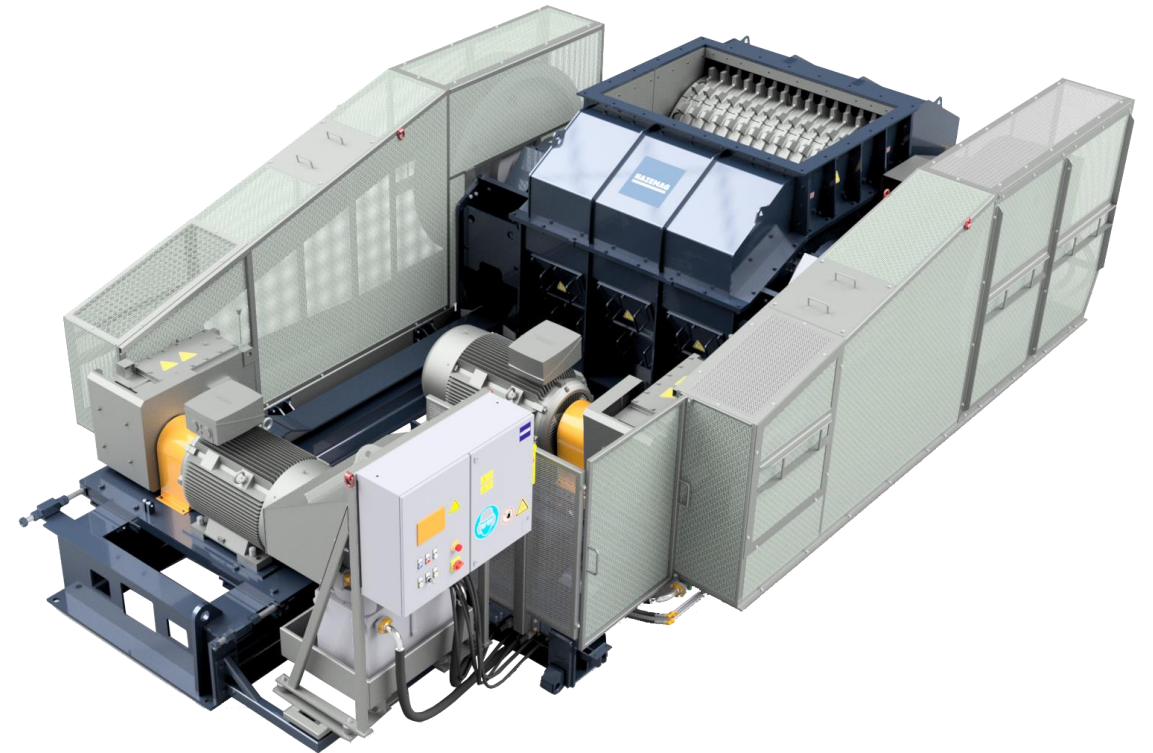
**Experience.
Innovation.
Results.**

Crushing | Screening | Feeding

Roll Crusher

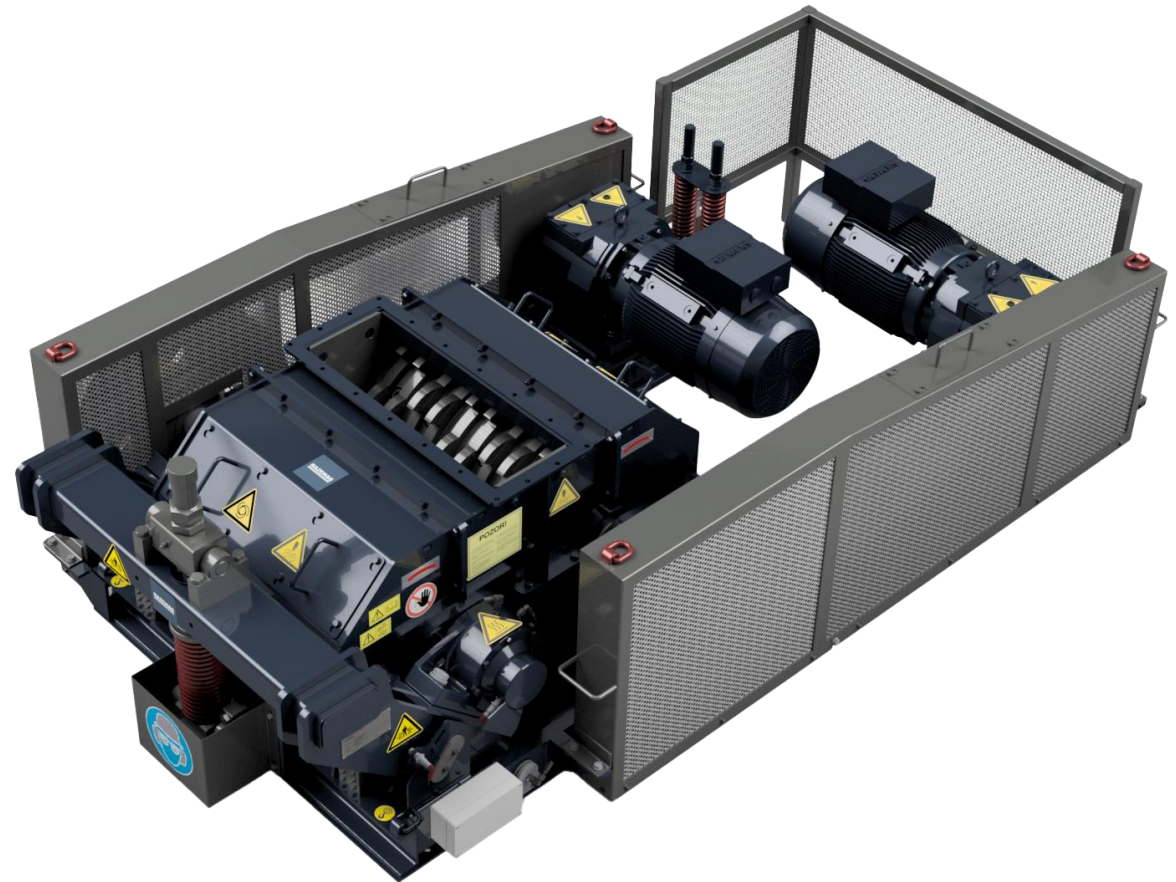
Compression crushing with a low percentage of fines

- Proved their effectiveness in the crushing of cohesive materials with a high moisture content.
- Hydraulically-controlled floating roll, which ensures the retraction in case of overload or feeding of unbreakable pieces.
- Hydraulically-controlled gap setting to guarantee the best usability of crushing segments.



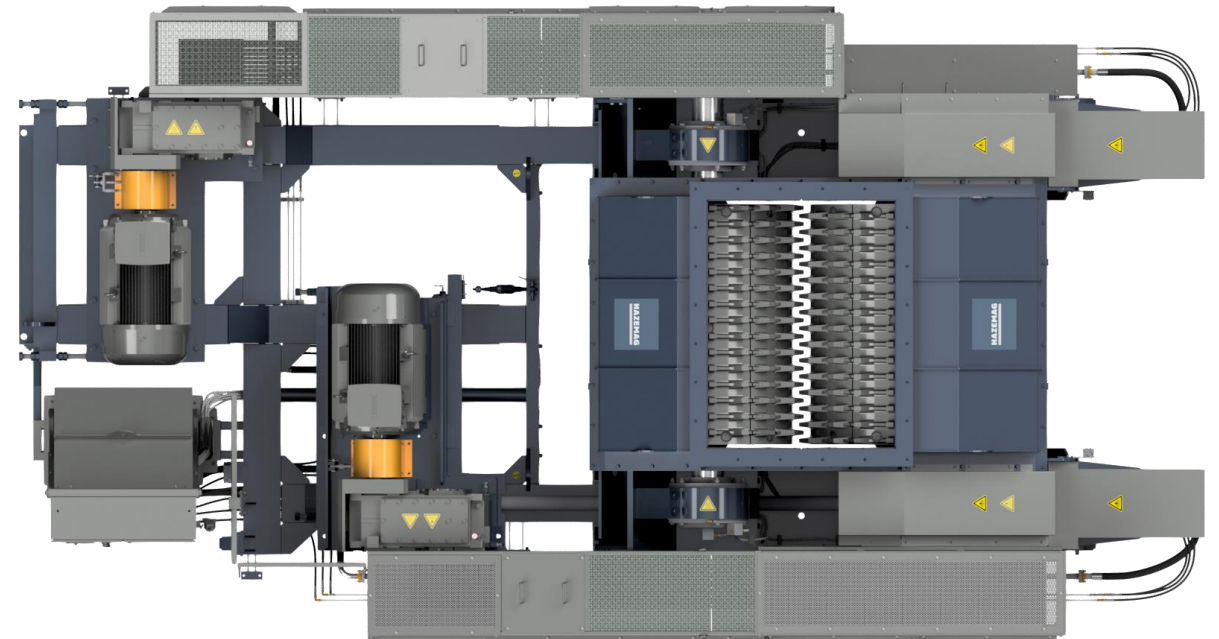
Application

- HAZEMAG Roll Crushers can process following materials:
 - Limestone
 - Clay
 - Gypsum
 - Coal
 - Coke
 - Phosphate



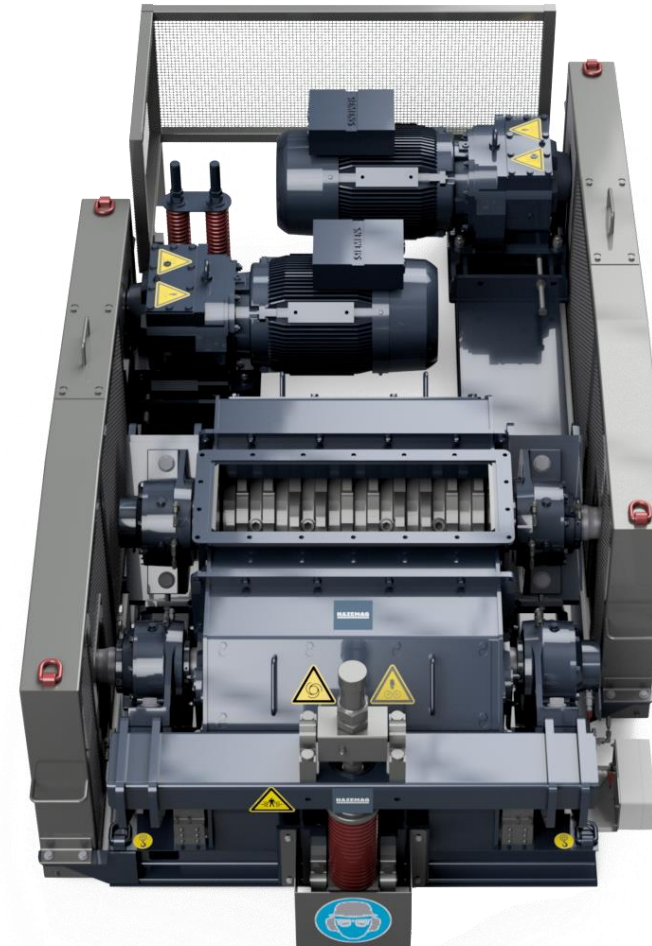
Operation Method

- Two toothed rolls running toward each other
- Feed is nipped between rolls and teeth and pulled downward through the gap
- Different kinds of forces for crushing material applies:
 - Shear the material by the teeth
 - Compressive forces between the rolls



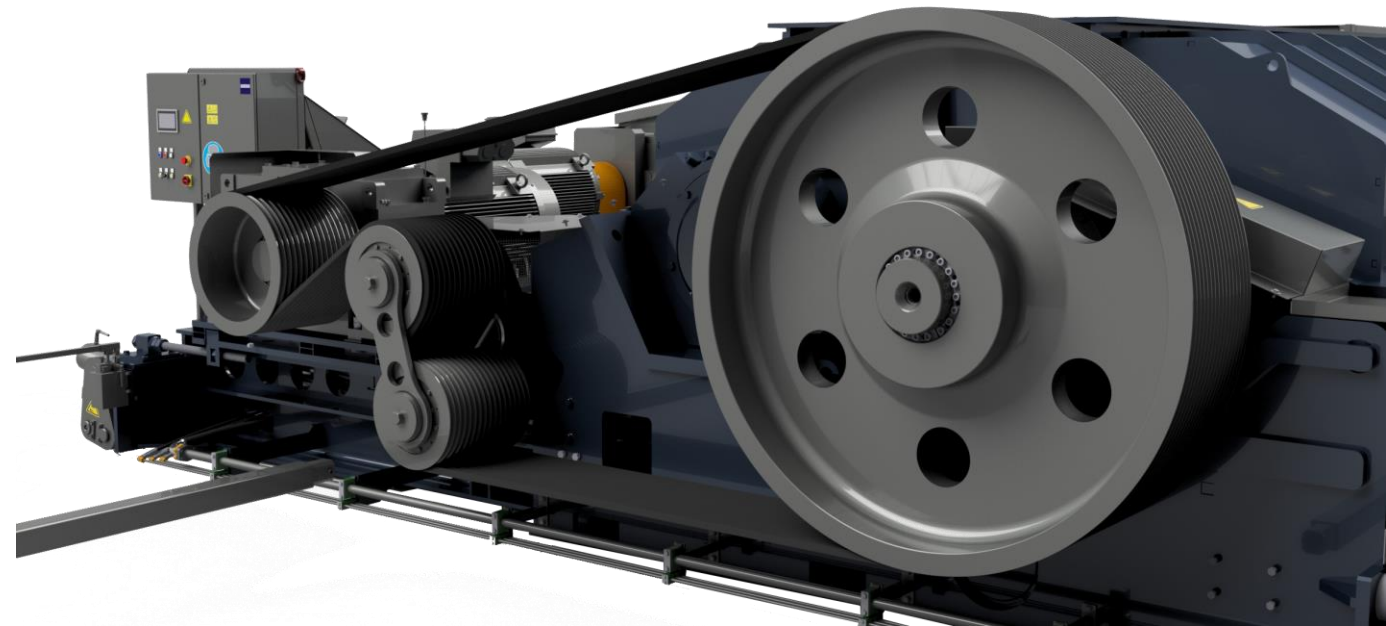
Operation Method

- High rotational energy of the crushing rolls and the drive components reduce peak loads and uniform power consumption is achieved
- Floating roll opens crushing gap, if non-breakable tramp metal enters the machine
- Floating roll is supported in pivoting rocker arms
- Rocker arms are connected with each other to guarantee parallel retraction



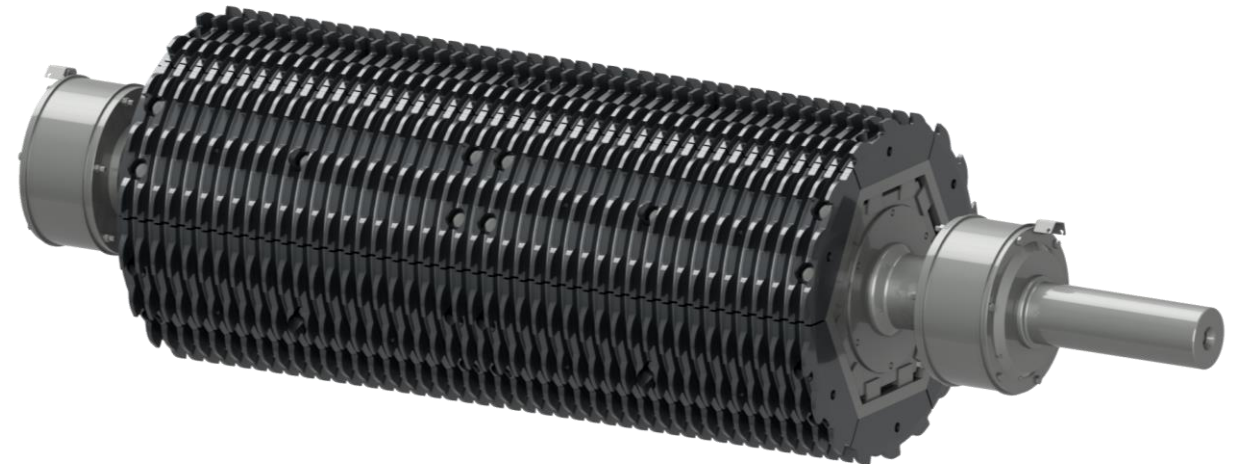
Equipment

- V-belt tensioning device
 - Constant drive belt tension during retraction movement of the floating roll and during adjusting of the gap
 - Unlike other double roll crushers, which loose their belts upon retraction, HRC continues with operation
- Scraper system
 - Heavy duty and adjustable scraper system
 - Floating roll scraper system mounted on torsion shaft



Crushing Rolls

- Crushing rolls are made up of a roll body in polygon design equipped with exchangeable crushing segments
- Optimum tight fit (dovetail design)
- Able to stand up to high crushing forces
- Depending on the task definition, the shape of the teeth and their number are selected





hazemag.com

Copyright ©2022 HAZEMAG Systems. All rights reserved.
This document makes no offers, representations or warranties (express or implied),
and information and data contained in this document are for general reference only
and may change at any time.

