

[Roller Screens. HRS]

HAZEMAG

**Experience.
Innovation.
Results.**

Crushing | Screening | Feeding

Roller Screen

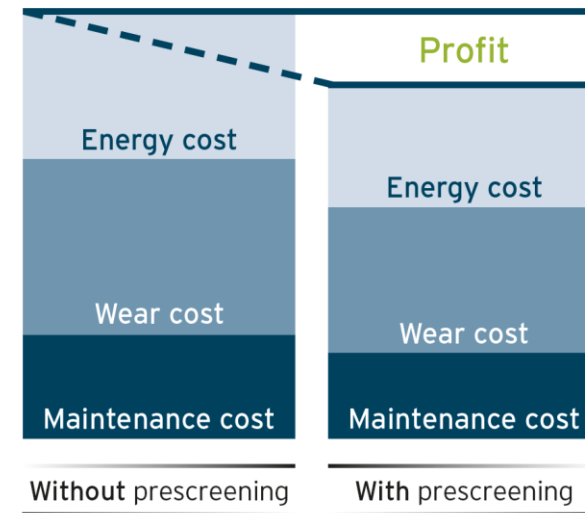
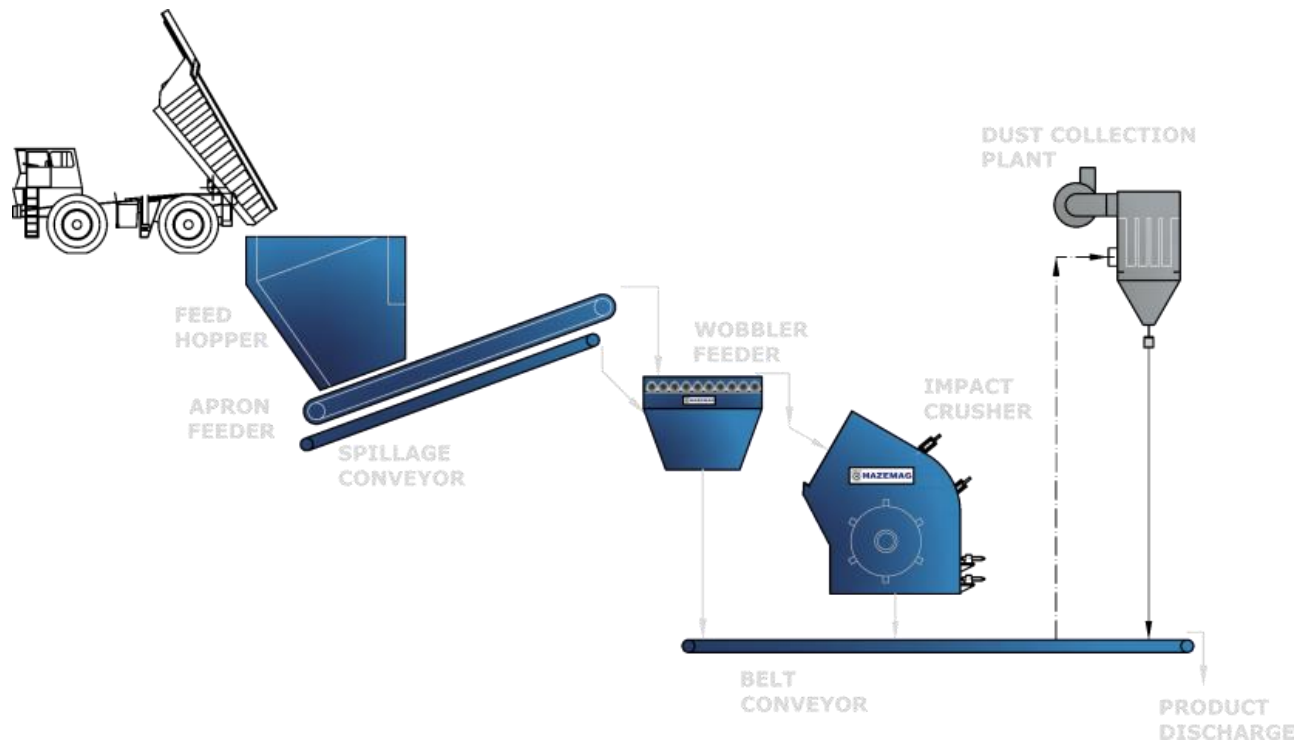
For separating fines from the feed material

- Modular design.
- Various combinations of standardized decks & steps.
- Patented scraper system.
- Self-cleaning of sticky materials by special scraper design.



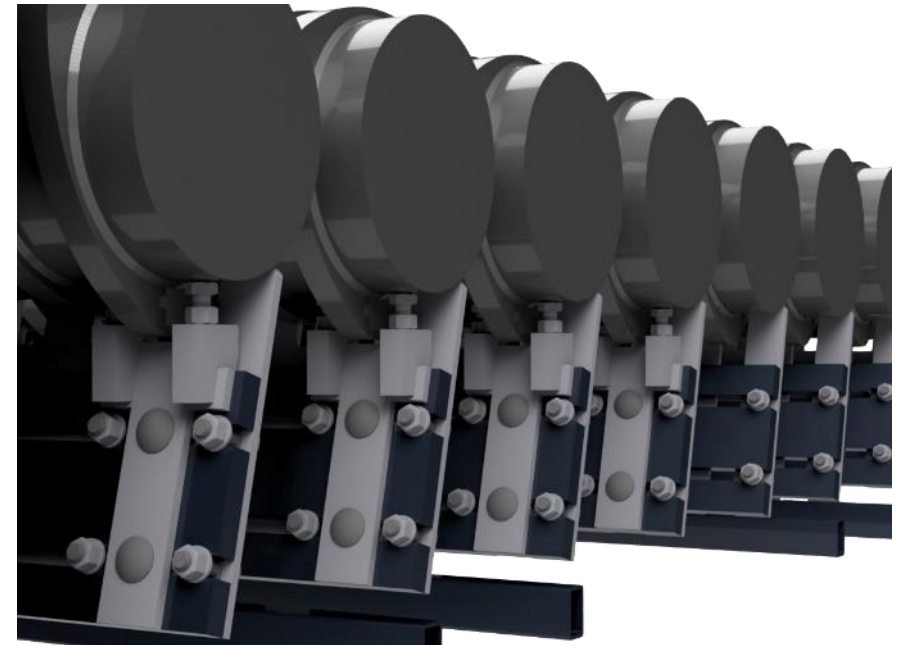


Application



Operation Method

- Pre-screening device
- Screening effect is enhanced by use of triangular rollers
- Separation surface is formed by rotating disc-fitted rollers
- Rollers transport and deagglomerate the material
- Fines pass the gaps between the rollers, coarse material is conveyed on the screen to the screen overflow
- Each roll is equipped with scrapers



Equipment

- Modular design
 - HAZEMAG Roller Screens are available in individual modules of 4 or 6 shafts and any combination there of
 - This modularization also allows for steps in between individual modules



Equipment

- Chain-Link-System:
 - One geared motor drives a number of shafts
 - One motor with vee-belt drive and gear drives a number of shafts (required for large power requirements)
- Chain link system
 - Each shaft is connected to its neighbour shaft by roller chain.
 - The chain drive is covered by a protective dust tight housing with oil sump
- Advantages:
 - Stronger than single chain system
 - Reduces stress: Chain, sprockets & shafts
 - Eliminates need for chain tensioning



Equipment

Shaft and disc system

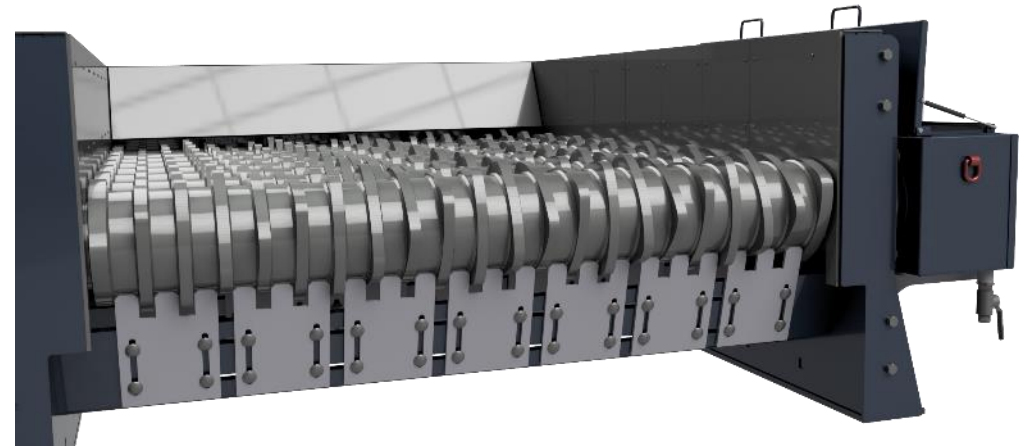
- All shafts of a HAZEMAG Roller Screen are solid core shafts
- Different shaft and disc systems are selected according to application
 - Welded 3 bow disc design (Preferred for true heavy duty primary applications)
 - Form-locked join 3 bow disc design (Very versatile option, allows for parts replacement and gap adaption)
 - Form-locked casted segments (For gaps below 40mm)



Equipment

Scrapers

- The front of the disc shafts are kept clean of sticky material by means of scrapers
- Gap between scraper and shaft can be adjusted





hazemag.com



Copyright ©2023 HAZEMAG. 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.