

[Roller Screen. HRS]

HAZEMAG

**Experience.
Innovation.
Results.**

Crushing | Screening | Feeding

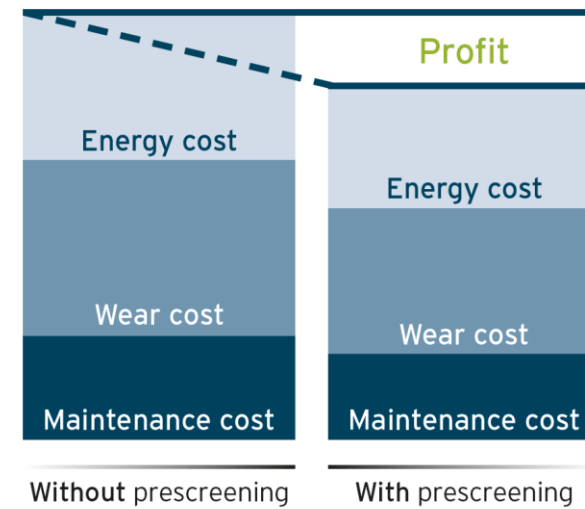
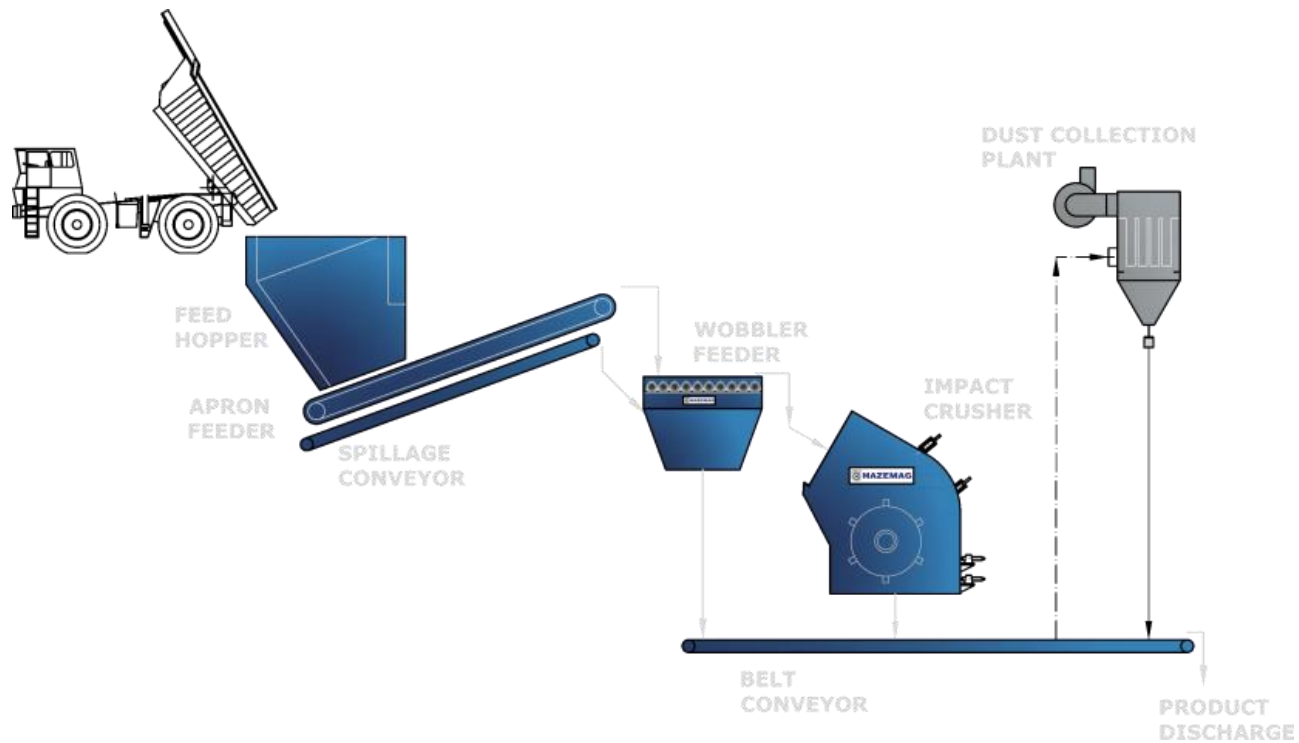
Roller Screen

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.

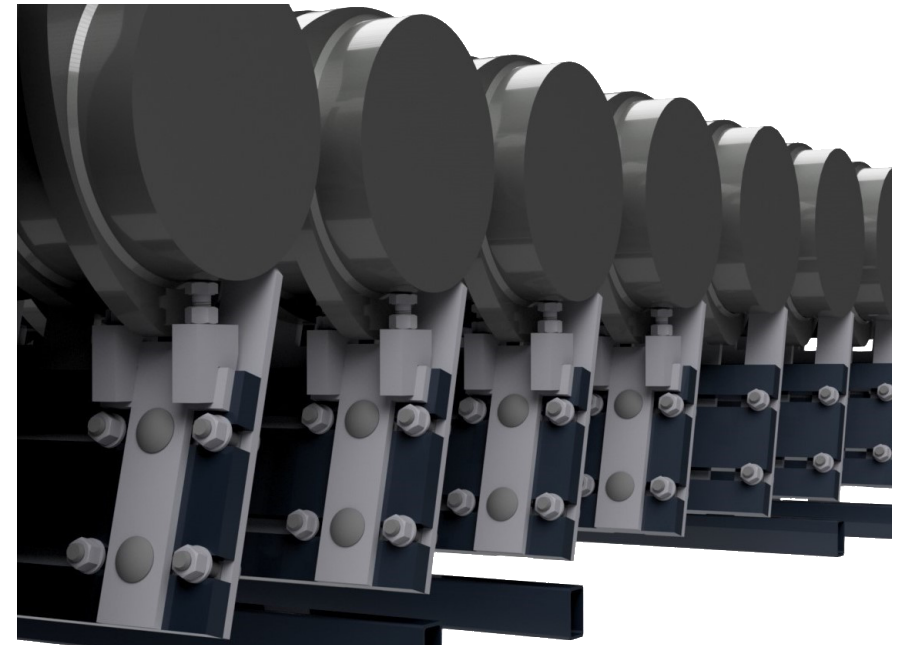


Application



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

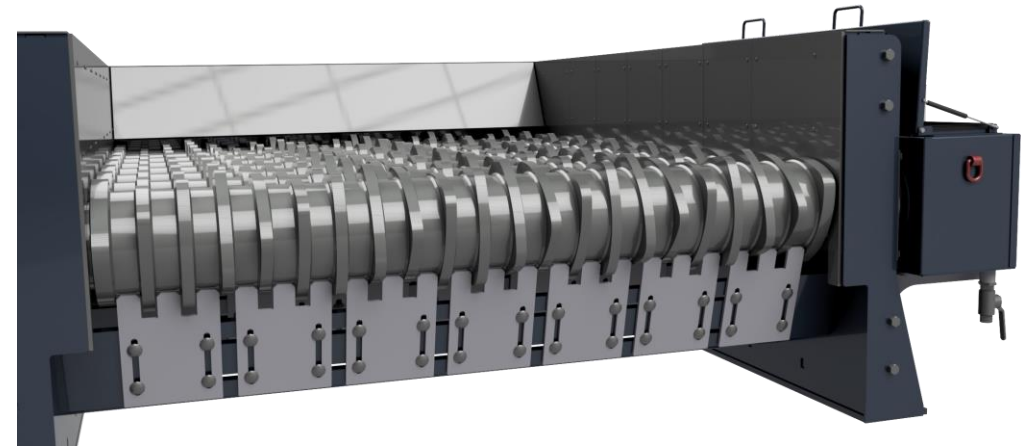
- All shafts of a HAZEMAG Roller Screen are solid core shafts
- Different shaft and disc systems are selected according to application
 - Welded 3 bow disc design (Preferred for true heavy duty primary applications)
 - Form-locked join 3 bow disc design (Very versatile option, allows for parts replacement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





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