

[Apron Feeder. HAF]

HAZEMAG

**Experience.
Innovation.
Results.**

Crushing | Screening | Feeding

Apron Feeder

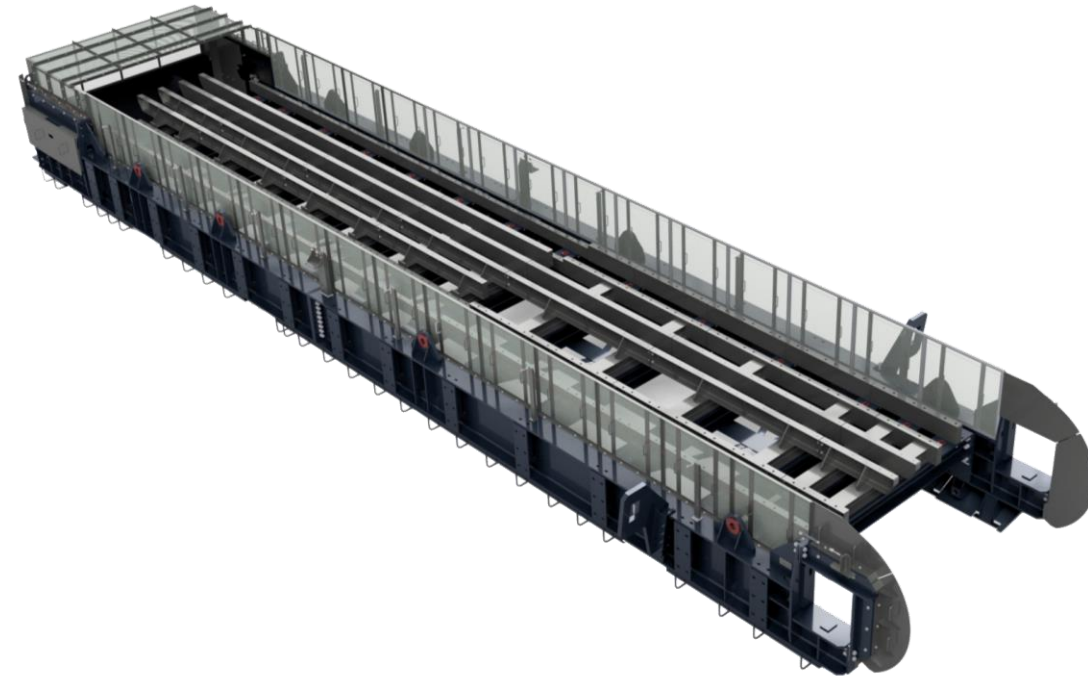
For material extraction from feed hoppers & material conveyance

- Conveying surface comprising steel pans attached to two tractor chains running on heavy-duty rollers
- Seal is created between the pans by overlapping and by precision machining
- Variable-speed drive either by hydraulic motor or by planetary gear in combination with frequency-controlled electric motor
- Collection and removal of spillage material is effected by scraper chain conveyor HCC



Application

- Feed hopper discharge in primary crushing plants as a bunker discharge conveyor
- Cement & Aggregates, Minerals Processing, Recycling and multiple other material handling industries
- Conveying capacities of up to 4,000t/h with piece sizes of 3m³



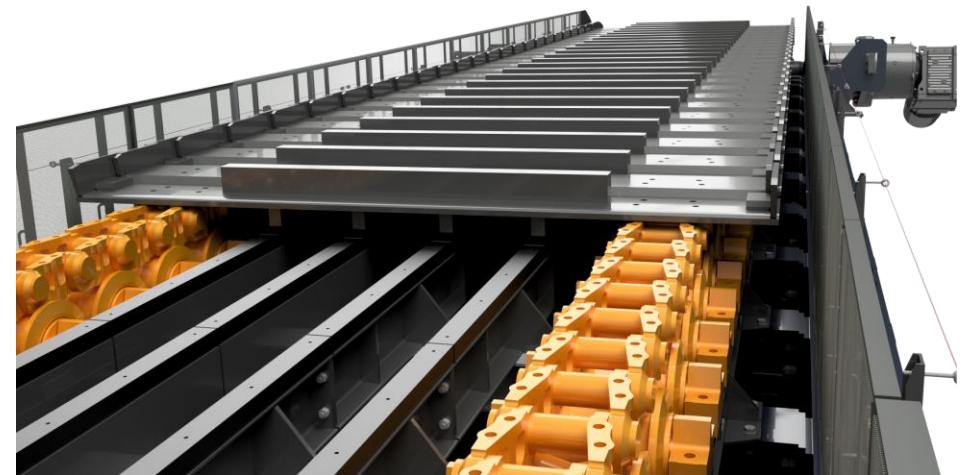
Operation Method

- Material is transported on the pans
- No relative movement between the material and the apron pans resulting in low wear
- Variable speed for optimum plant utilization



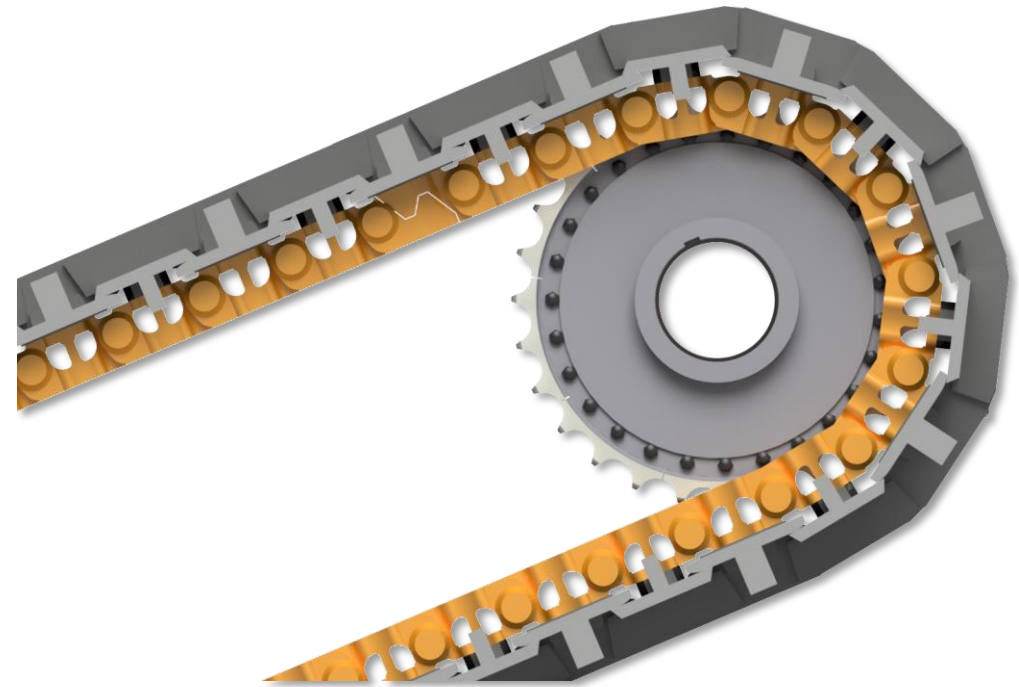
Equipment

- Consists of heavy-duty conveyor chains, on which the apron pans are mounted
- Chains run on support rollers that are mounted to the apron feeder frame
- Are driven by chain sprockets and tensioned mechanically or hydraulically



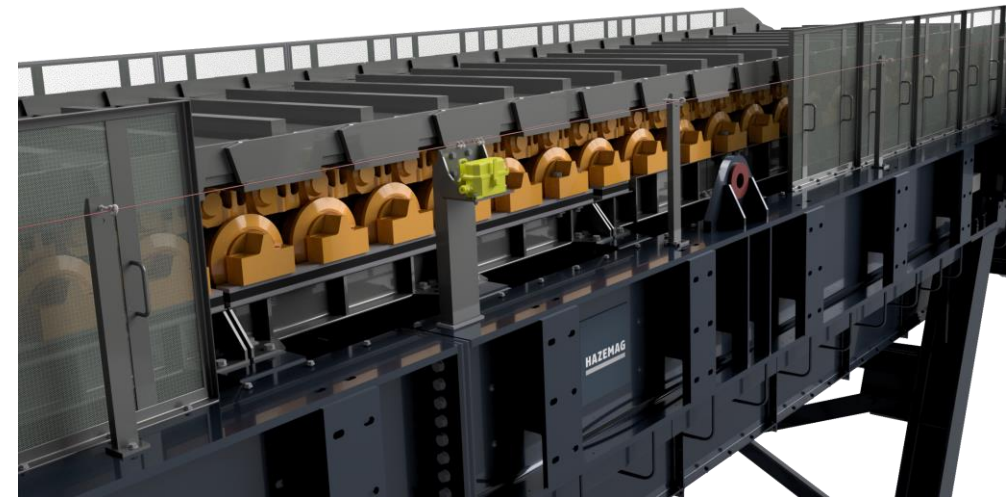
Apron Feeder Pans

- Apron feeder pan is bolted to each link of the tractor chain
- Every second plate is equipped with carrier (Secures material transport)
- Only little material finds its way into the inside because of the apron's specific contour
- Apron pans are machined for perfect sealing between upper and lower pan
- Radius at the lower is important for a good sealing
- Additional slide rails are attached to absorb shock loads



Chain & Sprockets

- Sprocket segments allow replacement without taking off or splitting the chain
- Heavy tractor-type chains (lifetime lubricated)
- Tensioning of the tractor chains via a tensioning shaft, mechanically or hydraulically



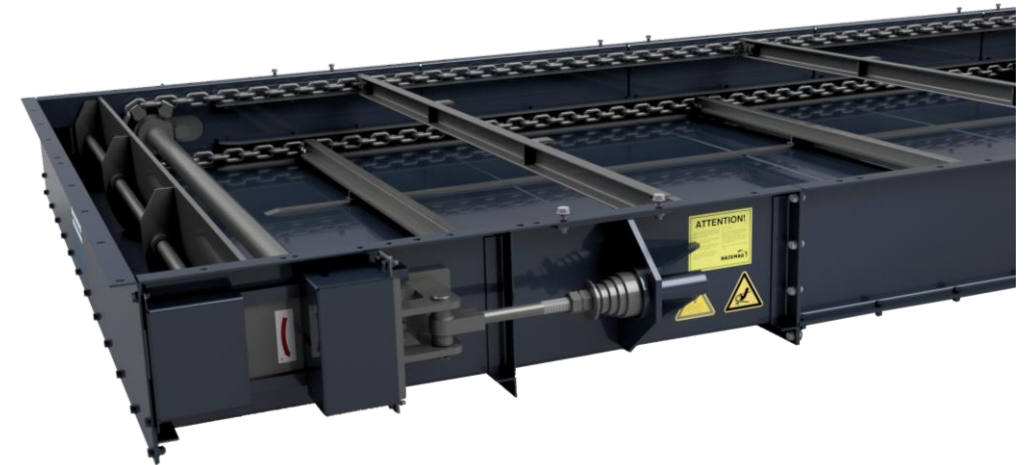
Support & Return Rollers

- Are bolted on the frames upper side
- Lifetime lubricated
- Tractor chain moves on the rollers
- Support rollers are mounted shock-absorbed



Spillage Conveyor

- Spillage conveyor is a chain conveyor mounted underneath the apron feeder
- Adhearing material at the apron feeder pans falls off on the return side





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