

[Feeders. HAF]

**HAZEMAG**

**Experience.  
Innovation.  
Results.**

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**Crushing | Screening | Feeding**

# Apron Feeder

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## For material extraction from feed hoppers & material conveyance

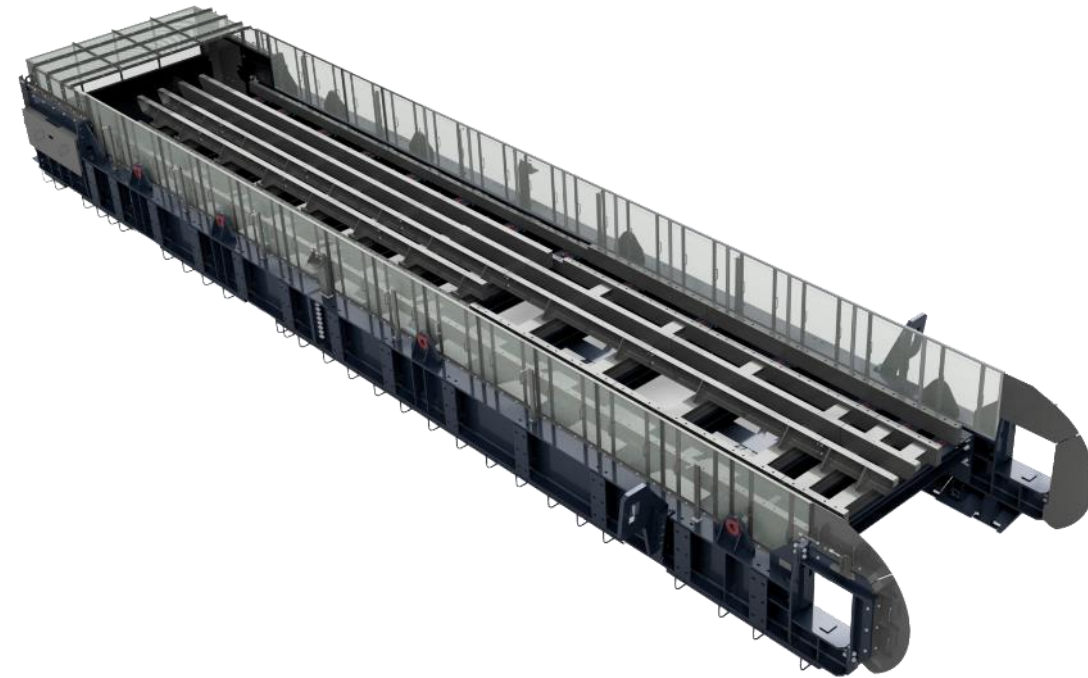
- Conveying surface comprising steel pans attached to two tractor chains running on heavy-duty rollers
- Seal is created between the pans by overlapping and by precision machining
- Variable-speed drive either by hydraulic motor or by planetary gear in combination with frequency-controlled electric motor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



# Application

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- 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 3m<sup>3</sup>



# Operation Method

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- 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

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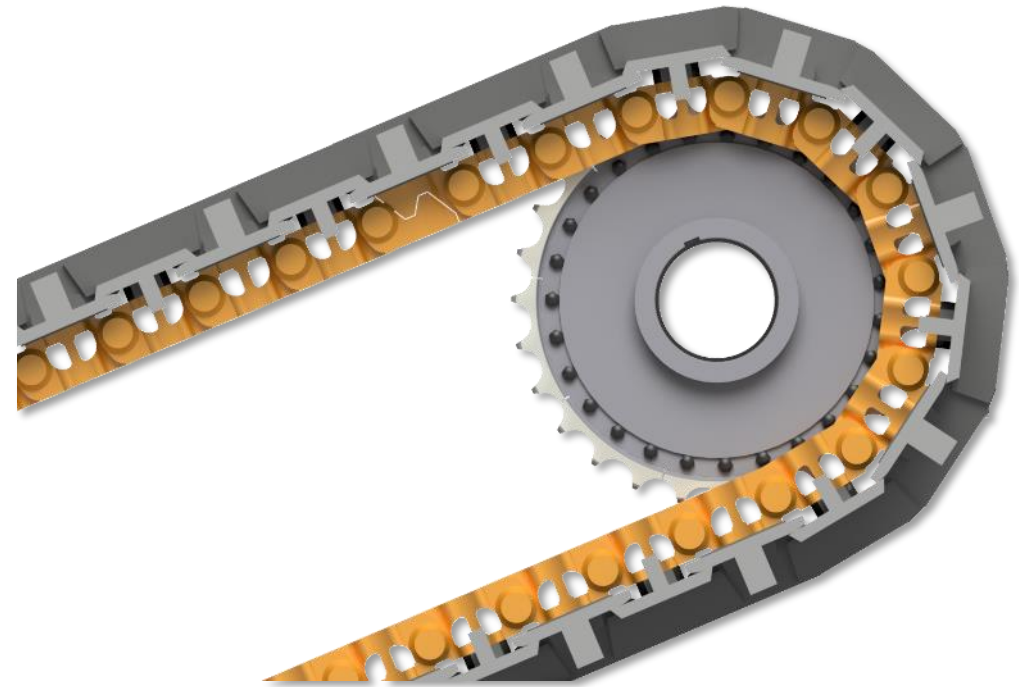
- Consists of heavy-duty conveyor chains, on which the apron pans are mounted
- Chains run on support rollers that are mounted to the apron feeder frame
- Are driven by chain sprockets and tensioned mechanically or hydraulically



# Apron Feeder Pans

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- 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

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- 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

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





# Spillage Conveyor

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





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