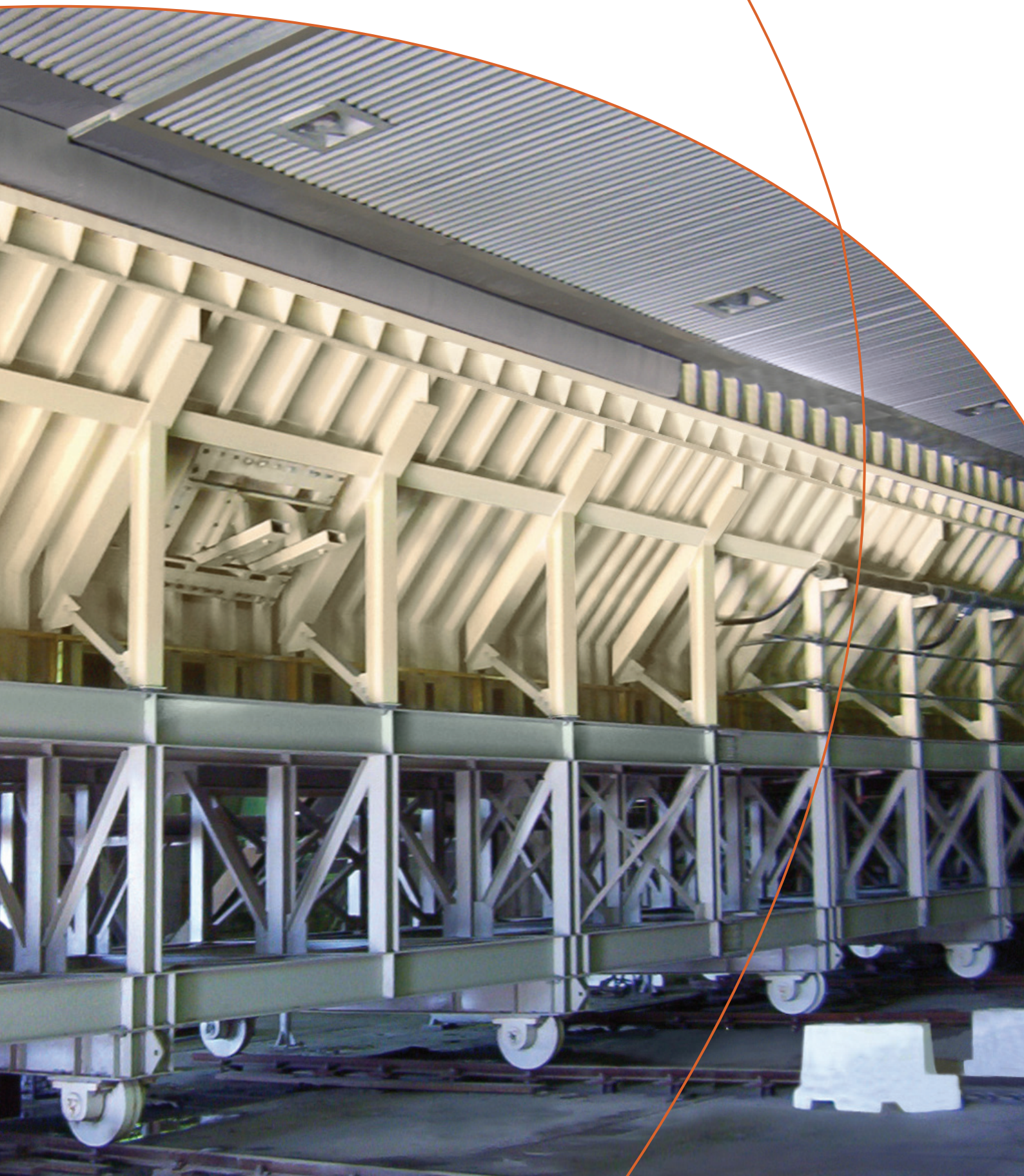


Metso

Mechanical Ash Handling Systems





Integrated systems approach providing a competitive edge through greater capacity and efficiency

Metso's mechanical ash systems are safe, effective, reliable and performance-proven. We have installed complete ash handling systems for power plants, pulp and paper mills, waste to energy facilities, etc.

Dry Drag Chain Conveyors
The dry drag chain conveyor can be applied to precipitators, fabric filters, boiler hoppers or cyclones for the collection of fly ash. For dust and fire control, these units handle fly ash in a dust-tight, air-tight construction.

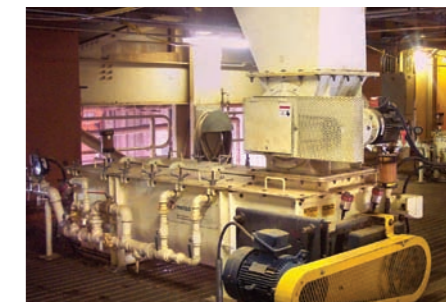
Our drag chain conveyors can move material 8 to 12 feet per minute to a storage location and/or disposal location and can have up to a 35-degree incline. Our conveyors occupy minimum space with maximum materials handling capabilities.

Submerged Chain Conveyors
Bottom ash is continually collected, cooled and dewatered with a submerged chain conveyor. Ash falls constantly from a boiler through a discharge hopper into a water-filled chamber where the continuous-loop, dual-strand submerged chain conveyor cools it and transports it for disposal. Like the dry drag chain conveyors, our units move material approximately 8 to 12 feet per minute and can have up to a 35-degree incline. This incline section allows excess water to be drained from the material.

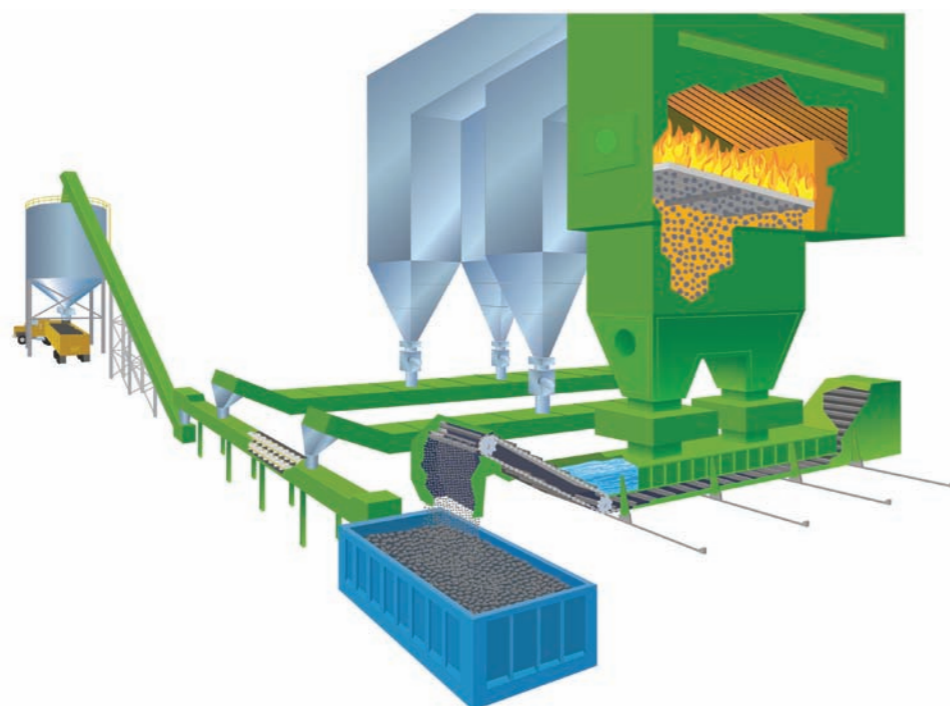
For maintenance outages and easy access to the boiler, our submerged chain conveyors are designed on rollers.

Mechanical Conveying Offers:

- Reduced capital costs
- Less space-consuming equipment
- Lower power consumption
- Less maintenance requirements



Our units are designed to handle bottom ash and fly ash efficiently, economically and dust-free. No matter what the application — coal, wood, refuse ash, scrubber sludge or other — our engineers can design an ash handling system to meet your specific specifications. We keep capital investment costs lower and maintenance and operating expenses to a minimum.



Metso's engineers are available on a 24 hour a day basis to assist you with your specific ash handling concerns.



Mixer Conditioners
Metso's mixer conditioners provide uniform wetting of fly ash through an exclusive shaft and paddle configuration designed for consistent moisture content and reliable ash conditioning for transport. They are equipped with heavy duty releases for safety and aluminum covers for longer life and lower maintenance.



Our ranges:

Equipment & Systems

- Bucketwheel Stacker/Reclaimers
- Cable Belt Overland Conveyors
- Complete Systems
- Continuous Barge Unloaders
- Equilibrated Unloaders
- Grab Type Unloaders
- Railcar Dumpers & Positioners
- Scraper Reclaimers
- Stackers (Radial/Linear)

Engineered Products

- Apron Feeders
- Ash Dry Chain Conveyors
- Ash Submerged Chain Conveyors
- Coal Preparation Equipment
- En-Masse Conveyors/Elevators
- Fly Ash Mixer Conditioners
- Railcar & Barge Pullers
- Railcar Indexers
- Throwers & Ship Trimmers
- Wobbler Feeders

Services

- Annual Service Agreements
- Breakdown Assistance
- Equipment Inspections
- Machine Upgrades/Retrofits
- Operations & Maintenance Training
- Replacement Parts
- Service Life Extension Projects
- Start-Up Assistance/Commissioning
- Troubleshooting Services



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The information contained herein is a general description only, is not guaranteed and contains no warranties of any kind.