Metso

Built for lasting performance

Apron feeder





Highlights

- 120+ years of experience
- 3,000+ installations globally
- Up to 17,000 tons per hour capacity
- 5-year warranty policy

Winning combination of reliability and performance for the lowest total cost

Metso builds apron feeders that are the global standard in quality, durability, and reliability. The rugged design remains the preferred choice of material handling and processing industries around the world.

Heavy duty, robust design

High reliability

Lower OPEX and improved profitability

Increased uptime

Ease of maintenance

Improved safety

Groundbreaking excellence in design

Metso's heavy duty and robust apron feeders are engineered and built with an intense commitment to quality and attention to detail, providing maximum uptime and many years of service life. Ideally suited for feeding large, lumpy, abrasive and heavy materials during wet, sticky or frozen operations, Metso apron feeders work well across a wide variety of applications.

Key industries:

- Cement
- Copper
- Gold
- Nickel
- Silver
- Kimberlite
- Bauxite
- Iron-ore
- Coal
- Limestone
- Potash
- Platinum

Robust design

- Heavy duty, robust design to handle heavy shock loads
- Rugged welded construction frame to provide rigid support for intense loading conditions
- Deep profile, cast manganese pans for high impact loading

Highest reliability

- 30 degree split bearing housing with taconite seals
- Spline connection for higher load carrying capacity
- Crawler track type chain with hardened links, pins and bushings

Safe operation

- Complete safety guards along with the set of full guards, tail guards, zero speed switch, emergency pull cord switches and other components are provided as standard

Ease of maintenance

- Easily replaceable lifetime lubricated track components for long wear and maintenance free operation
- Anti-friction shaft bearings
- Readily available spare parts and service
- Shaft-less tail traction wheel assembly

Applications overview



Primary

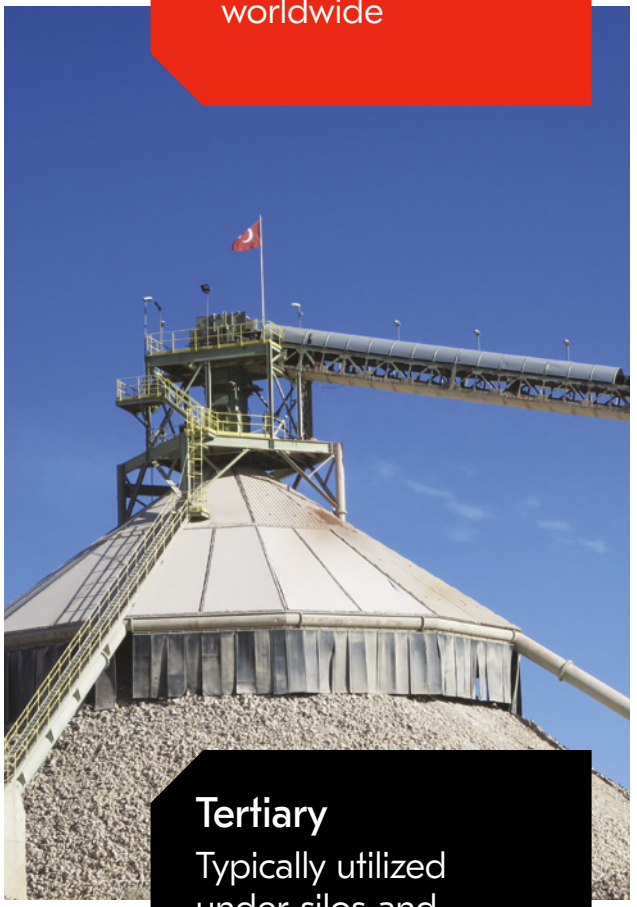
Used to control the feed of +1500 mm x 0 run of mine materials to primary crushers or dump station



Secondary

Used under crushers, hoppers, and bins to act as a buffer to downstream equip-ment by controlling surges and regulating feed of 300 mm x 0 material

3,000+ installations worldwide



Tertiary

Typically utilized under silos and stockpiles to reclaim 250 mm x 0 materials from storage

Pre-configured feeders

Metso apron feeders standard offering reduces planning, costs and start up. We have made the process simple for selection and installation for reduced downtime.

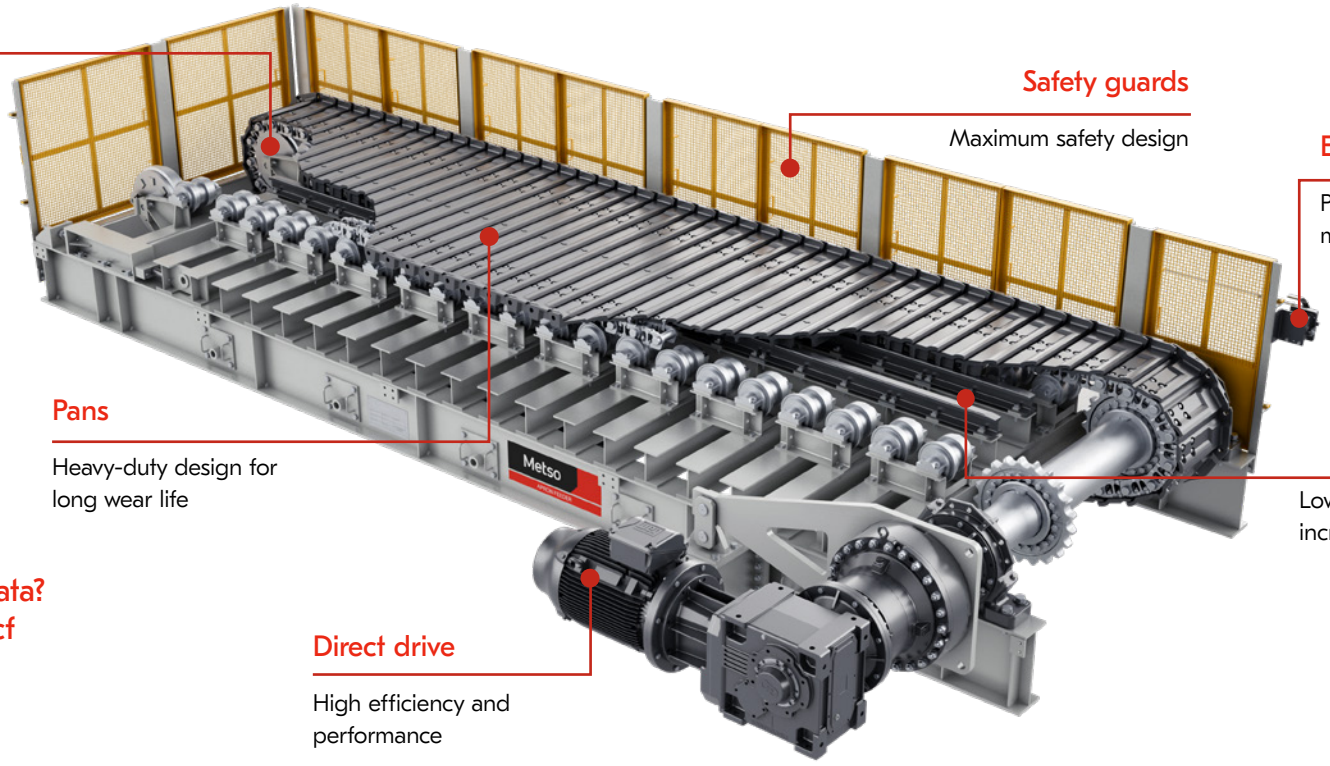
Our apron feeder designs are also modular so in unique applications we are able to provide customizable solutions to fit your operational needs.

Model	*AF4	*AF5	*AF8	*AF10	AF12	AF14	AF16	AF18
Technical specifications								
*Width (mm)	914-1524	1219-2134	1524-2438	2134-3048	2134-3048	2438-3353	2438-3353	*
*Length (mm)	2500-7900	3400-9700	8000-12 200	8800-13 000	8800-13 000	10 000-*	10 000-*	*

* Preconfigured equipment configuration
** Lengths are available for each width of feeder

Shaftless tail wheel

Sealed for life leading to less maintenance



Safety guards

Maximum safety design

Emergency pull cord

Preventative damage and maintenance

Pans

Heavy-duty design for long wear life

Chain and rollers

Low maintenance and increased energy savings

Direct drive

High efficiency and performance

Looking for files and data?
Visit: metso.com/mo-pcf

More than a century of customer collaboration

In addition to parts and refurbishments for your apron feeders, Metso also offers the following services that help you get the most out of your machine.

Life Cycle Services
Life Cycle Services (LCS) take the entire range of Metso services and conveniently bundles them into customizable, easily manageable packages, ranging from the basics to more complete solutions, depending on the scale of your needs. Packages are equipped to cover single-event equipment shutdowns or span multiple years, measured against strict KPIs.

Read more: metso.com/products-and-services/services/life-cycle-services

Field services
Metso offers a comprehensive set of field services to help meet your maintenance, repair, installation and refurbishment needs. Each service is fully customizable to your exact requirements. Our highly specialized services cover all Metso and 3rd party apron feeders.

Read more: metso.com/portfolio/field-services

Inspections and equipment audits
Regular inspections help prevent unplanned mechanical and electrical failures from having a direct effect on your apron feeder's availability and productivity. Metso also offers other services that help you get the most out of your machines.

- Certified global service team
- Expert assessment and recommendations
- Minimized downtime

Read more: metso.com/portfolio/equipment-inspections

Repair and maintenance services
Metso´s service experts provide regular and corrective maintenance services, as well as preventive maintenance options. Repair services are available both on-site and at our global repair centers, depending upon the scope of work required. Our repair facility network offers an extensive range of services stretching from straightforward parts replacement to complete equipment reconditioning.

- Global network of service centers
- Skilled and certified technicians
- Cutting-edge technology and tools
- Safe and consistent service standards

Read more: metso.com/products-and-services/services/maintenance-shutdown-repairs

Training
Metso offers training programs based on expert knowledge of equipment and maintenance procedures. Training programs include online e-training, hands-on modules, specialized courses on apron feeder, along with safety and maintenance training in accordance with global best practices.

- Improved employee motivation
- Full utilization of equipment features
- Maximized productivity
- Safer operation

Read more: metso.com/products-and-services/services/training-academy



Looking for more content?

Pre-configured feeding solutions

Find STP, DWG, General Arrangements (GA) and more data

Apron feeder basics

Read the blog post and get to know the full capabilities of apron feeders

Proper sizing and selection

Read the blog post and make sure sizing and selection of your apron feeder will bring maximum results to your operation

Installation and management

Read the blog post and learn what are the best apron feeders' installation and management practices



Metso is a frontrunner in providing sustainable technologies, end-to-end solutions and services for the aggregates, minerals processing and metals refining industries globally. By helping our customers increase their productivity, improve their energy and water efficiency and environmental performance with our process and product expertise, we are the **partner for positive change.**

Metso

Metso Corporation, Töölönlahdenkatu 2, FI-00100, Helsinki, Finland
tel. +358 20 484 100
metso.com

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