

MHE Special Conveyors



HISTORY OF

MATERIALS HANDLING EQUIPMENT COMPANY

The original bulk Materials Handling Equipment Company (MHE) was formed in the 1920's in Chicago, to support the demands of many expanding industries. Advancing bulk handling technologies of this era afforded many industries an opportunity to improve production while reducing costs. New process techniques generated the need for high quality custom-built bulk handling equipment. MHE became one of the leaders in this market and pioneered many of the features used today for high temperature, high abrasion, and corrosive resistant applications.

In the 1930's, MHE expanded its product line to focus on specific Industry needs. Realizing the severe conditions that Cement Producers demanded, MHE developed some of the original Cement Mill Class Bucket Elevators, Drag Conveyors, and Screw Conveyors. Ash handling at Power Plants required special conveyors for hot and abrasive materials. And, coal use was a major bulk application that was experiencing premature failures which required special corrosive protection.

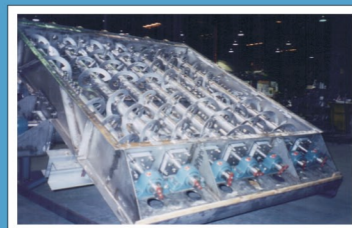
The next 3 decades found MHE expanding and increasing their market share. We added Apron Conveyors and an array of specially designed conveyors for the most severe operating conditions. In the mid 70's, belt conveyors were added to the product line.

The last 25 years have challenged our engineers to utilize new products and technologies to meet our customer's demands of higher outputs, reduced wear, and lower costs while introducing new materials never handled before. We will continue to provide the best material handling equipment, and meet the demands of your industry. Let MHE move you.

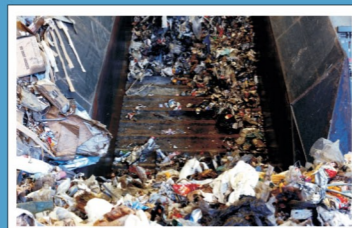
Deslagger
Ash Reclaimer



Chemical Metering
Discharger



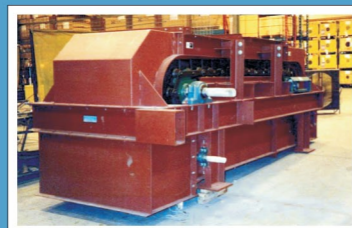
Waste Handling
Conveyor



Belt Conveyor



Weigh Feeder



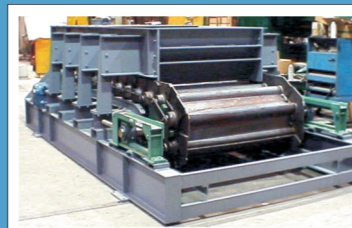
Stacker



Live Bottom
Bin Discharger



Apron Conveyor



Bucket Elevators

Industrial Duty
Mill Duty
Heavy Duty
Cement Mill Class
Severe Duty
High Speed (Belt-Type)
Super Capacity
Food Grade (Belt Type)

Drag Conveyors

Drag Chain
Drag Flight
EnMasse Conveyor
Catenary Conveyor
Submerged Drag Conveyor
Woodchip Reclaimer
Cleanup Conveyor
Bin Reclaimer
Sludge Cake Conveyor
Uni-Flow Conveyor

Screw Conveyors

CEMA Standard
Screw Feeder
Pug Mill Mixer
Paddle Mixer
Leveling Screw
Twin Screw Feeder
Injection Screw
Ash Conditioner
Shaftless Screw Conveyor
Reversing Screw Conveyor

Special Conveyors

Apron Conveyor
Apron Feeder
Weigh Feeder
Pan Conveyor
Deep Bucket Conveyor
Waste Handling Conveyor
Slider Belt
Shuttle Belt Conveyor
Deslagger
Live Bottom Bin
Pocket Belt

Accessory Equipment

MHE-Key (Quick-Disconnect)
Custom Chain & Attachments
Elevator Buckets
Custom Drives
Control Systems
Platforms, Ladders & Walkways
Slide Gates (Rod & Pin Gates)
Hoppers & Bins
Diverter Chutes

For over 80 years, MHE has designed, engineered, manufactured, installed, and serviced bulk handling equipment in nearly every industry around the world. With the widest product line of any conveyor equipment company, and as part of the Merrick Family, MHE can provide a unique service of product integration and system support to maximize any application for material handling equipment selection. Custom built, high quality, bulk handling equipment is our standard. The natural choice *is* Materials Handling Equipment Company for all your bulk handling needs.



MATERIALS HANDLING EQUIPMENT COMPANY

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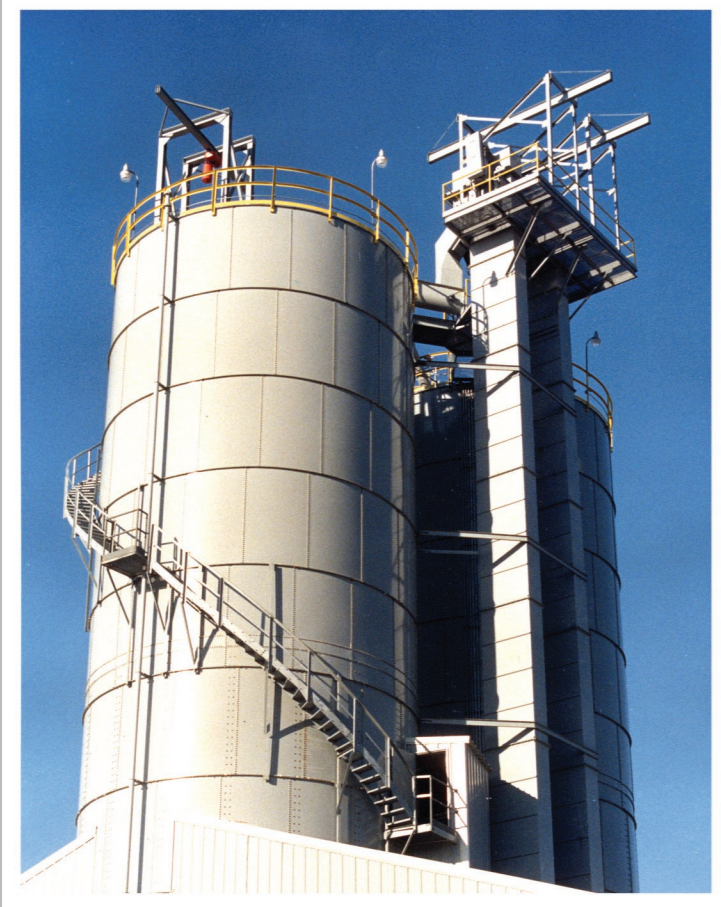
sales@gomhe.com
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MATERIALS HANDLING EQUIPMENT COMPANY

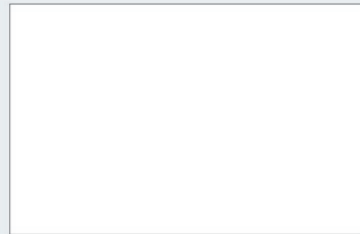
*Providing Customized Bulk Handling Solutions
Since 1927*



MHE Bucket Elevators



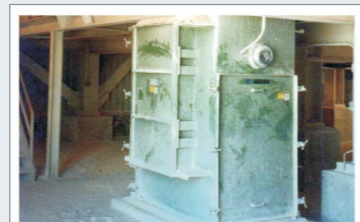
Replacement Buckets, Chain, and More



Custom Designed Inlets and Outlets



Full Size Easy Access Doors



Top or Bottom Mount Take-Up



Jig welded for precise alignment



Overlapping side wall joint connections



Crimped reinforced side panels



Internal heavy duty reinforcing angles



- Capacities to 1500 TPH
- Heights to 200 feet
- Inclined Models from 60 degrees
- Temperatures to 2000 degrees F
- Centrifugal, Continuous, High Speed, Super Capacity
- Multiple Belt and Chain Styles
- Industrial, Mill Duty, Heavy Duty, Cement Mill, Severe Duty

MHE provides the largest selection of Drag Conveyors in the industry. With a wide variety of chains and flights for the most abrasive, corrosive and highest temperatures, MHE can provide a level of experience and engineering know-how that can help with any of your conveying needs. Each Drag Conveyor is designed specifically for the application to improve operating characteristics and reduce maintenance while providing the highest quality conveyor at the most economical price. Additional wear protection such as hardfacing of the chain and improved abrasion resistant liner plates or castings are available for faster speeds.

- Capacities to 500 TPH
- Widths to 20 feet
- Lengths to 200 feet
- Inclined to 45 degrees
- Temperatures to 2500 degrees F
- Tubular, U-type, box, drop bottom, channel & split type sections
- Replaceable Abrasion Resistant steel liners in critical locations
- Dry or Wet type units with top or bottom return runs
- Custom chain, C4140 shafts, high performance bearings
- Horizontal to Inclined designs with multi-outlet configurations



MHE Drag Conveyors

Cast Manganese Chain



Welded Steel Chain



Heavy Duty Drag Flights



Spring-Loaded Take-Up



Hardfaced Tail Drum



Manganese Bottom Wear Blocks



Drag Feeder Flights



Clean-up Drag Conveyor



MHE Screw Conveyors



With a number of standard screw conveyor manufacturers to choose from, MHE can provide an extra level of customization that your application may demand. Having developed many of the CEMA standards used today, we now continue to improve the old designs and apply our 80+ years of experience to MHE's new standards. By utilizing the latest in material selection, construction design and fabrication, a MHE screw conveyor can improve your bottom line. From the standard CEMA type screw conveyor to a custom built conveyor, MHE can offer the complete line of Screw Conveyors including: sectional, ribbon, cut-and-fold and serrated with quarter, third, half, and full pitch as well as double flighting and hardfacing.

- Capacities to 300 TPH
- Diameters to 6 feet
- Lengths to 300 feet
- Inclined models to 20 degrees
- Temperatures to 2200 degrees F
- Jig welded construction for precise alignment
- Break-formed troughs and heavy duty formed flanges
- Tubular, U-type, V-type, drop bottom, box type & split troughs
- Standard, ribbon, cut, and paddle flights
- Units are completely assembled and tested
- Hardfacing, 2-3-4 bolt coupling shafts, C4140 shafts
- Easy maintenance from top and ends with unique access
- Longer service life with heavy duty Ni-Hard bearings

Large Diameter, Single Screw



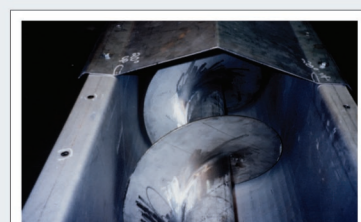
Scalping Screw for Even Take-off



Stainless Steel Ribbon Type Expansion Screw



Continuously Welded Flights on Wear Strips



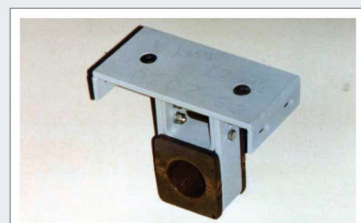
Water Cooled Injection Screw Conveyor



Paddle Mixer



MHE Internal Hangers and MCM Hanger Bearings



MHE Key for Easy Disconnect

