



THE
EXTRA
MILE IS
RARELY
CROWDED







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WE DELIVER SOLUTIONS

For over 30 years, CWMF Corporation has been offering portable and stationary asphalt plant equipment, parts and service. We build long-term trusted relationships by helping our customers optimize overall plant performance and run at peak efficiency. Whenever we can offer solutions for existing equipment, we absolutely do. These are the values we bring into the field.

FLEXIBILITY

We're fiercely committed to quality but fluid and flexible in the ways we provide it.

INTEGRITY

We do what we say we're going to do. When mistakes happen, we own them and do whatever we can to make things right.

EXCELLENCE

We believe excellence is the result of focused intention, sincere effort and skilled execution.

LOYALTY

We cultivate loyalty and trust with others by demonstrating integrity and consistency over time.

DRIVE

Failure is not an option.



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OUR AC TANKS ARE THE HOTTEST IN THE INDUSTRY

At CWMF, we offer both stationary and portable horizontal and vertical AC tanks. Vertical storage tanks are used when increased efficiency and space constraints are a concern at your HMA facility. You can effectively place 3-4 tanks in place of one horizontal tank. In addition, a vertical tank has a much smaller surface area in contact with the air, minimizing oxidation of the AC. An OSHA-approved, caged safety ladder and hand railing are supplied with all of our tanks.

CWMF's portable tanks are built to hold up to the conditions of moving them from pit to pit. We incorporate a heavy duty I-Beam under carriage and the necessary space needed for storage containers for hoses, etc. We also mount individual leveling jacks along the length of the frame to ensure proper support when in operation. Tandem or Tri-axle suspension kits are supplied with fenders and mud flaps.

CUSTOMIZABLE OPTIONS

- Valves
- Agitators
- Hot-oil heater
- Tank level boards and gauges
- Loading and metering pump skids
- Temperature controls and controllers





TOP QUALITY CONSTRUCTION

Our tanks are constructed from 1/4" material that is bevel prepped to ensure 100% weld penetration. We also incorporated a square top and bottom base. The bases are constructed of 6" channel and are insulated with 6" rigid fiberglass insulation. The top platform provides ample access space and provides for a simple connection to adjacent tanks.



THOUGHTFUL DESIGN

The insulated base platform significantly reduces heat loss in the AC as you eliminate the heat sink into the ground. The square base platform also provides for convenient mounting of controls. Our sidewalls are insulated with 4" rigid fiberglass insulation as a standard. Our tanks are sheathed with an aluminum cover. This can be supplied in several color options or aluminum finish.



FLEXIBLE CONFIGURATION

We use 2" - A106 seamless pipe for our coils. Our coils are tested at 125 PSI and held at pressure for 24 hours. The piping layout of the tank is built to suit the customer's needs. Whether we are adding a tank to an existing group or providing a new tank farm, we will work with you to meet your demands.



WHEN THE DUST SETTLES, WE'LL STILL BE THERE

DUST-EATER® BAGHOUSE

FEATURES

Stationary

3/16" shell construction

Inlet deflectors

Side wall louvers

7" x 10" x 12" inlet knockout box

2 1/2" spacing between bags

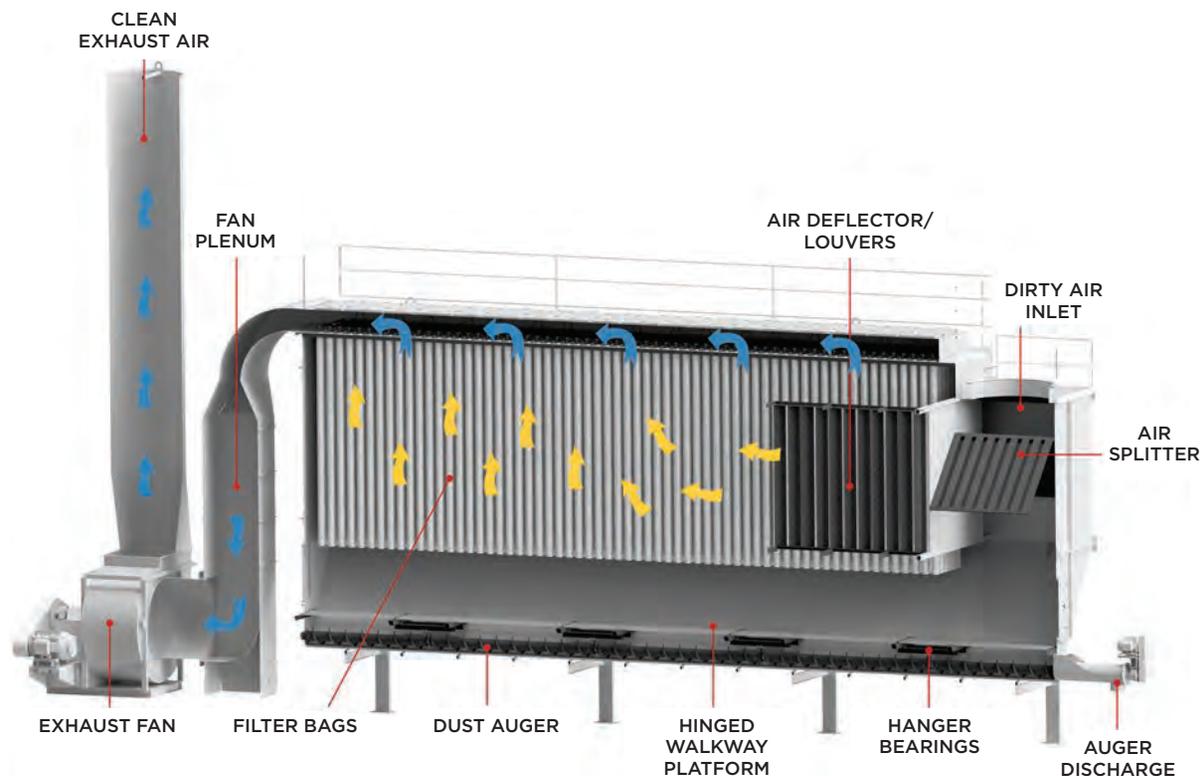
Hose-less valve manifold



DUST-EATER
INNOVATION BY **CWMF**

PORTABLE BAGHOUSE, RELOCATABLE OR STATIONARY PULSE-JET

10,000 - 120,000 CFM



FEWER POINTS OF MAINTENANCE

Our innovative pulse-valve manifold design eliminates problematic hoses and potential airflow leaks. The pulse valves are built into the manifold as part of the clean air plenum. As a result, radiant heat prevents valve freeze-ups on cold operating days. In addition, this design allows for easy maintenance of the valve diaphragm from outside the baghouse. Our valves are equipped with Viton materials and our blowpipes are connected to the pulse valve by means of a compression nut. This enables easy removal of the jet tube when necessary.



COMPREHENSIVE FINES REMOVAL

Dust is removed via screw conveyor in the bottom hopper. Our screw conveyor is built with an oversized center pipe. As a result, it minimizes the need for multiple hanger bearings. Dust is conveyed to a rotary air-lock where it can then be returned to the drum or other dust storage/metering system. On our portable baghouse units, our unique false floor design minimizes the reintroduction of fines as the drag slats move them toward the discharge auger.



MORE EFFICIENT FILTRATION

Greater bag spacing (2.5") allows dust-laden air to penetrate in and around the entire bag matrix. As a result, inside bags work just as hard as outside ones. This generous spacing also permits a better clean by minimizing the amount of pulsed dust that clings to the adjacent bags. Increased sidewall clearance (21") facilitates even filtration of dirty air throughout the house. Integral venturi cages with snap-lock bags allow for easy installation and removal. Easy installation all while providing an extremely positive seal between bag and tube sheet.

EXTENDED BAG AND UNIT LIFE

Our Baghouses have smooth internal surfaces, sidewall louvers, and the industry's largest inlet knockout (7" x 10" x 12"). Therefore reducing air speed, eliminating turbulence and minimizing wear. This all results in prolonging bag and component life.

A splitter divides the inlet air equally to each side. This aids in removing heavy particulate matter prior to it entering the bag chamber.

Sidewall louvers prevent bag abrasion and protect the first 10' of bag chamber.





80,000 CFM PORTABLE BAGHOUSE



80,000 CFM STATIONARY BAGHOUSE



60,000 CFM STATIONARY BAGHOUSE



100,000 CFM PORTABLE BAGHOUSE

OPTIONS THAT MOVE YOUR PLANT FORWARD

At CWMF, we offer a wide variety of belt conveyors to suit your production needs. Standard widths of 24", 30", 36", 42" are available. We also offer various equipment add-ons to customize your belt conveyor, including:

- Belt scale with integrator and test weights
- Portability kit
- Hydraulic kit
- Wind guards
- Mounted CWMF Tremor Shaker screen
- Shaker stand

We also provide made-to-order screw type conveyors to meet your production and plant layout needs. Sizes range from 9" to 16" in diameter with custom lengths.

FEATURES

- Stationary or portable
- Truss style construction
- Gravity take-up
- Wide-slot take-ups
- Rubber disc return idlers to minimize material build-up on the dirty side of the belt





BELT & SCREW CONVEYORS



OUR BIN SYSTEMS GO THE DISTANCE

We offer a complete line of portable, stationary and skid-mounted RAP bin, RAS and cold feed bin systems, designed with flexibility and adaptability in mind so you can grow or shrink an existing line. Vulcanized or mechanical splices can be pre-made and installed in a fraction of the time required by traditional designs. We also offer a wrap drive system on the collector belt, which eliminates the over-hung load of traditional drive set-ups and keeps the drive near the ground allowing maintenance to be done safely.

FEATURES

- 1/4" bin wall construction
- 10' x 14' & 10' x 16' standard sizes
- Steep sloped walls
- 24"- 42" feeder belts
- Adjustable slide gates
- Self-relieving throats
- Options available on request





THE HIGHEST STRUCTURAL INTEGRITY

Features reinforced framing, perimeter support legs and convenient service platforms for thoughtful and durable construction that lasts.



BUILT-TO-ORDER ROBUST DESIGN

Offers options, like trough feeders, multiple bin configurations and customizable controls, to meet specific plant needs.



2-BIN PORTABLE RECYCLE



5-BIN PORTABLE COLD FEED

RAP/RAS NEGATIVE WEIGH SYSTEM

COMPRESSION LOAD CELLS

Are used, rather than deflection beams, for greater accuracy due to misalignment and self-centering capabilities.

LOAD CELLS ARE LOCATED AT THE TOP

Of the leg versus the bottom, which aids in stability and longevity and allows for the bulkhead to be mounted directly to the legs of the unit.

THE BIN IS MOUNTED INDEPENDENTLY

From auxiliary components, like the grizzly and catwalk, so nothing interferes with accurate weighing.





WHERE EFFICIENCY AND COST EFFECTIVENESS TAKE FLIGHT

REVOLUTION D™ DRUM

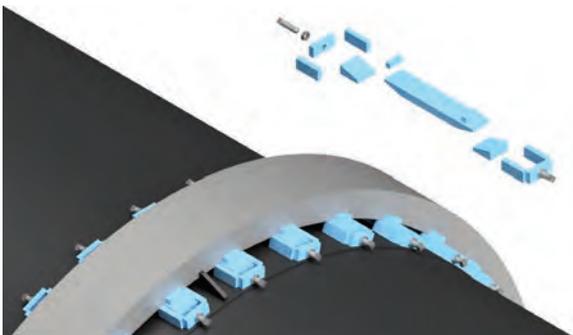
The Revolution DTM drum mixer is known for its heavy duty, rugged design. From chute fed and slinger fed, to liner packages and variable frequency drives, we can meet all of your needs.

FEATURES

- Portable or stationary
- Timken AP railcar bearings
- Center pivot, single point adjustment trunnion bases set at an angle
- CWMF adjustable wedge-lok tire suspension bars
- Wide recycle inlet



REVOLUTION D
INNOVATION BY **CWMF**



WEDGE-LOK™ TIRE SUSPENSION SYSTEM

Our adjustable Wedge-Lok™ system, a trusted design we've been using for over 25 years, allows the end user to secure the tire to the drum and eliminate independent rotation by simply adjusting setscrews. The inclined plane mechanism provides superb holding strength and there is no need to apply shim stock. A secured and balance tire, extends the life expectancy and reduces costly downtime.



WIDER RECYCLE COLLAR

The wide recycle inlet allows for the recycle to flow more freely into the drum which results in less spillage and helps you keep your plant clean. In today's market we all want the ability to produce Hi-RAP mixes. Our drum mixers are designed to allow the free flow inlet of the RAP product. We use stand-offs on the barrel where the flashing rotates about to eliminate shell wear and it also aids in reducing leakage.

ROBUST TRUNNION DESIGN

Properly training drum mixers is a relatively easy concept. However, given the sheer size of a drum, it can also be very intimidating. The traditional, flat trunnion base designs are not conducive to adjusting. They also develop coning of the tires and trunnions as adjustments result in point on point contact.

We also go the extra mile with our trunnion base chassis. Not only are they robust, we also machine the mating surfaces to ensure a consistent, parallel outcome.



As a standard we incorporate the use of Timken railcar bearings. One word to sum these up... Workhorses. Unlike pillow block bearings that are specifically designed to handle thrust or radial loads, the railcar bearings are designed to handle substantial thrust and radial loads.

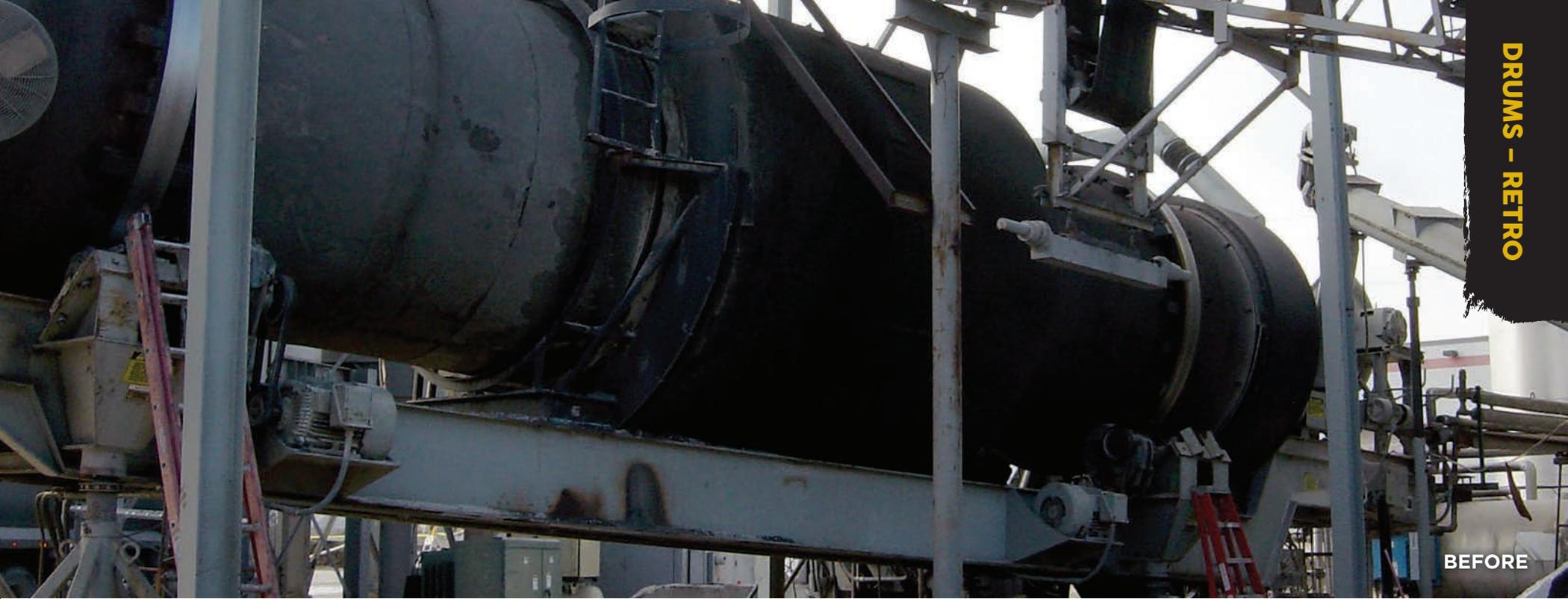
Our center pivot, single-point design makes adjusting trunnions easy in comparison. We also skew the trunnion bases at an angle, which distributes the load better and it maintains full face contact with the tire.

BEAT YOUR BUDGET WITH A DRUM RETROFIT

LENGTHEN, REFLIGHT, REPLACE YOUR BARREL

Increase production and efficiency without the investment of a new drum. A leader in the retrofit market, we'll work with you to come up with the best solution at a competitive price.





BEFORE



AFTER

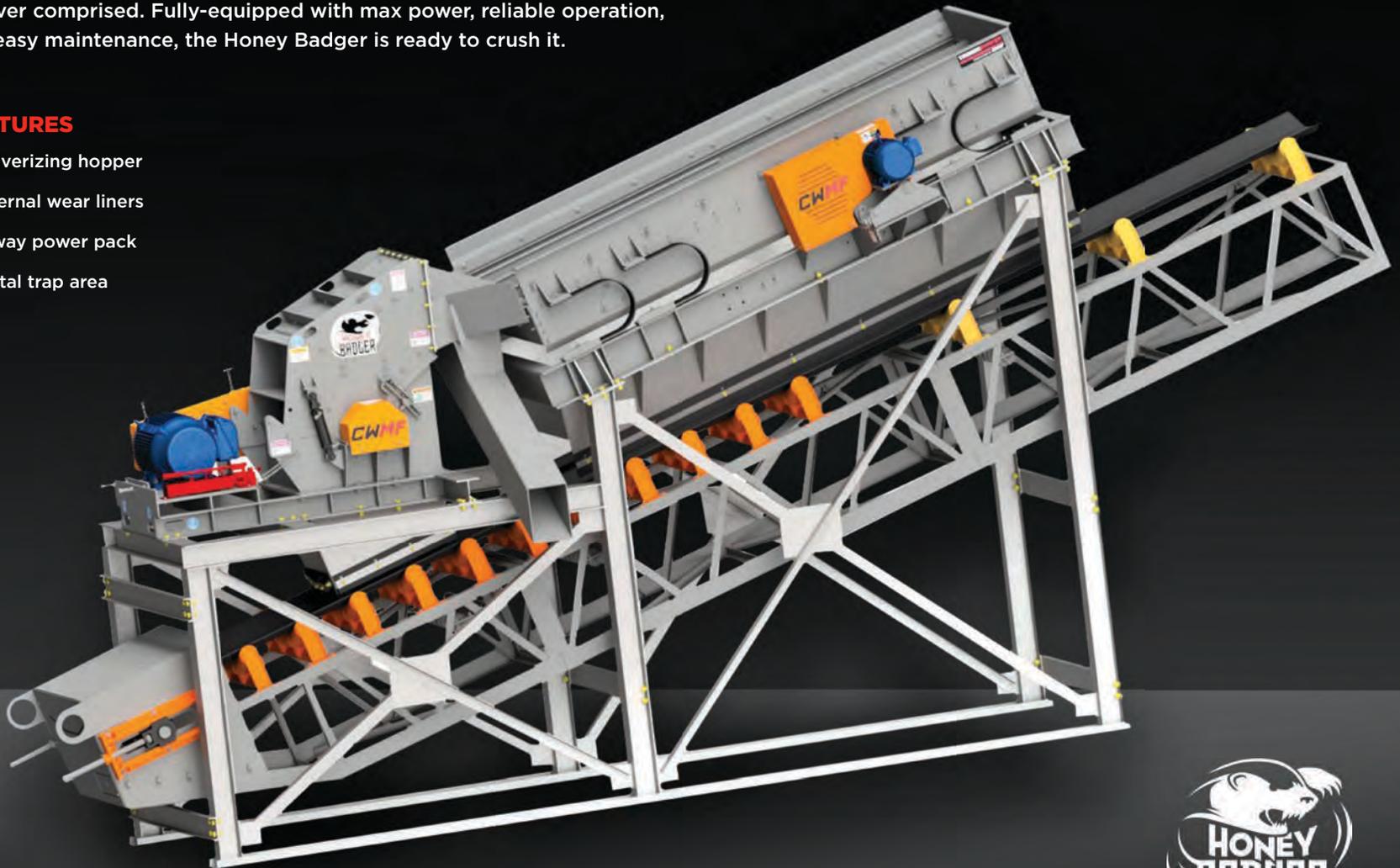
RECYCLE THE ROAD

HONEY BADGER® RAP CRUSHER

Recycle the road with the fiercely reliable Honey Badger RAP Crusher. From replaceable abrasion-resistant steel wear liners to a 1/2" steel pulverizing hopper, this machine is ready for wear and tear. Included is a two-way valve hydraulic power pack that performs a controlled close of the pulverizing hopper top so that safety is never comprised. Fully-equipped with max power, reliable operation, and easy maintenance, the Honey Badger is ready to crush it.

FEATURES

- Pulverizing hopper
- Internal wear liners
- 2-way power pack
- Metal trap area





PULVERIZING HOPPER

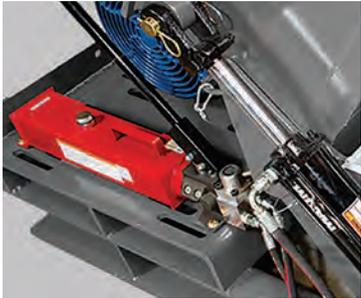
1/2" steel pulverizing hopper with structural steel sub-base

Heavy duty rotor assembly including:

- Premium grade 3" cast Tungsten Carbide impregnated hammers
- Precision machined drive shaft
- 3/4" rotor disks
- Grease lubricated pillow block

Heavy duty abrasion resistant steel grate to properly size material

- Relieved anti-plugging design
- Variety of sizes available



2-WAY POWERPACK

Bi-directional rotational operation

Hydraulically actuated pulverizing hopper opens for easy interior access

2-way valve hydraulic power pack

- Added safety "controlled close" of pulverizing hopper top



INTERNAL WEAR LINERS

Replaceable abrasion-resistant steel wear liners

Consistently sized

Dual stacked 3/4" abrasion-resistant steel impact anvil bars

Metal trap area



RAP CRUSHER





INTRODUCING REVOLUTION PORTABLE ASPHALT PLANT

PRODUCTION WHERE YOU NEED IT

CWMF's Revolution Portable Plant is intelligently designed for portability and generously sized to meet your TPH production needs. Our equipment is designed to accept many add-on options.

CWMF'S EQUIPMENT INCLUDES:

Revolution Drum Mixer, available in counter-flow and parallel-flow designs. Single-point, center-pivot trunnion design with railcar trunnion bearings and 50-55 RC hardened trunnions. Also available in chain drive models. VFD speed control option.

Single load modular Self-erecting Silo & Slat Conveyor with standard bolt-in / replaceable Ni-hard lined slat floor and standard AR turtle back cone liner package.

Cold feed and RAP bins incorporating the Honey Badger hammer mill.

Dust-Eater Baghouse, with reverse-air & pulse-jet options.

Tremor Shaker Scalping Screens with inclined weigh conveyors.

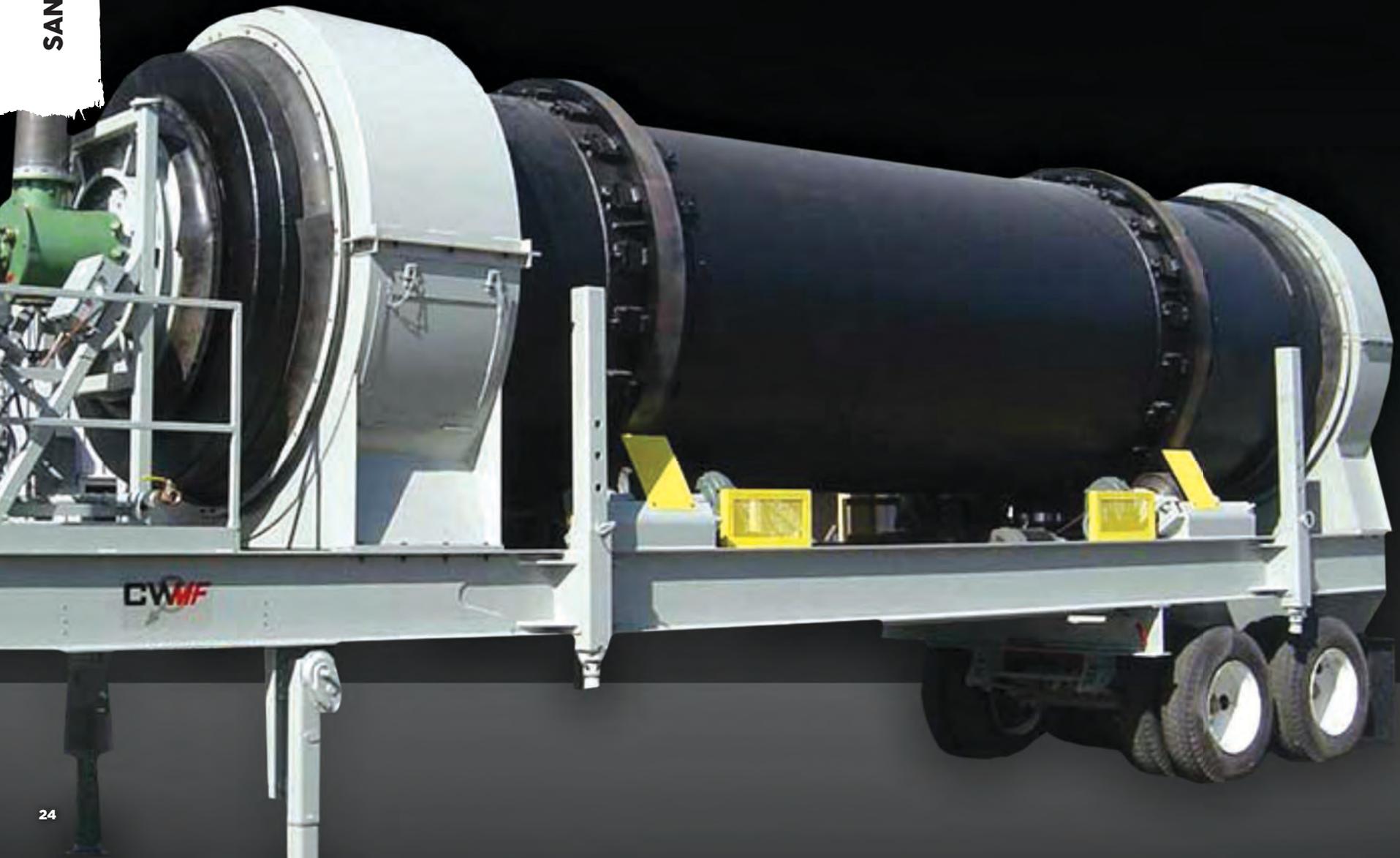
Dust screw augers, power cables, AC tanks, control house, and plant controls.





VERSATILITY IS OUR STANDARD

We design and build custom industrial sand dryers and heaters for multiple uses and industries, including glass, sand, rendering and composite pipe. Whether for recycling or as part of the process to produce an end product, we'll custom engineer what works best for you.





INNOVATION MEETS DURABILITY

TREMOR SHAKER™

Our economical screen, the Tremor Shaker™, is available in sizes ranging from 3'x6' to 5'x12' and in single or double deck configurations. It's equipped with an eccentric flywheel design, C-style shaker springs, and a pivoting motor base to help absorb and isolate the vibration of the shaker. While in operation and during peak start-ups, this keeps a constant belt tension, minimizing adjustments.

FEATURES

- Side or end chute
- Support stand
- Deck selector
- Reject chute
- Magnetic separator



TREMOR SHAKER
INNOVATION BY **CWMF**

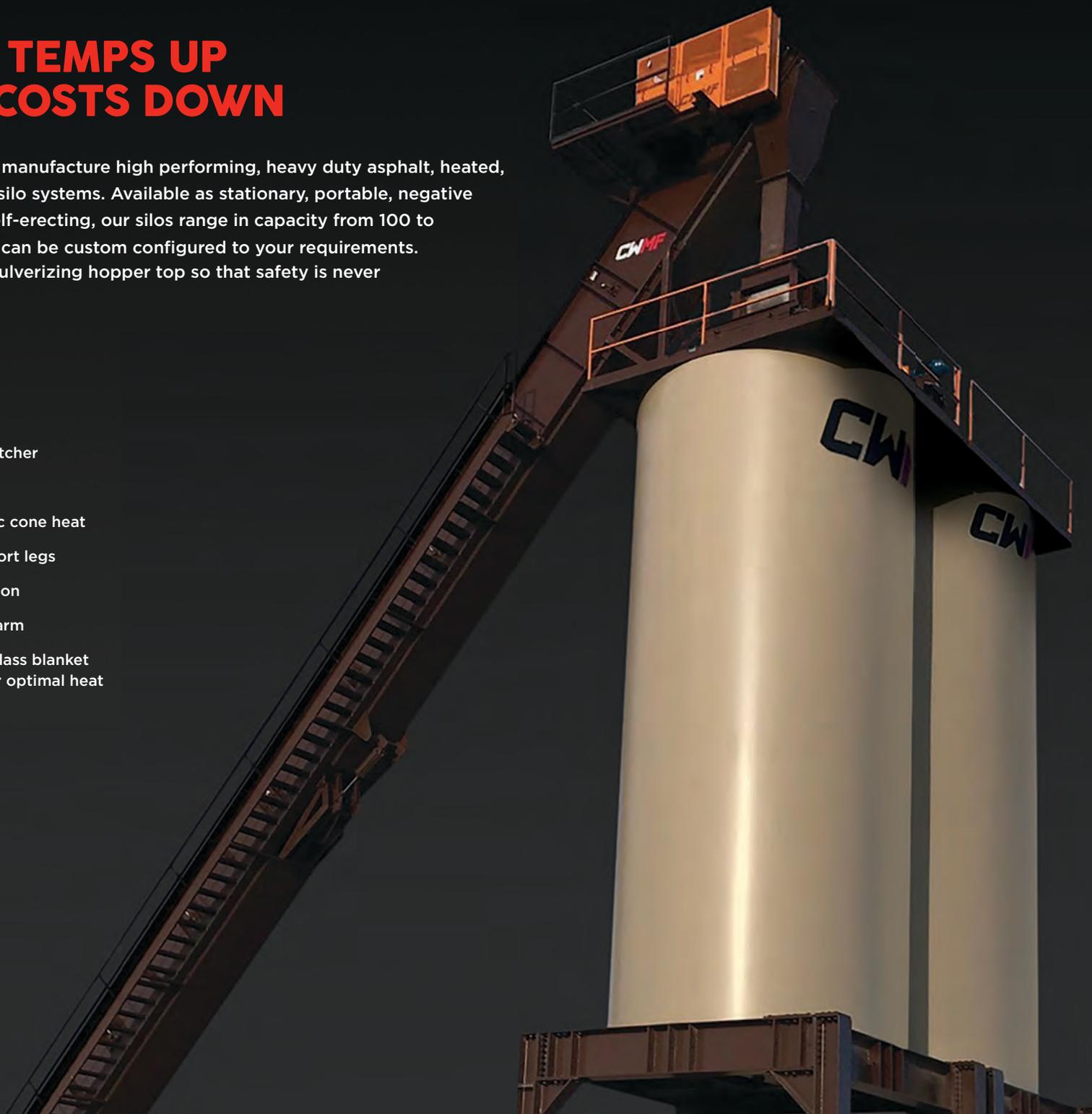


KEEP TEMPS UP AND COSTS DOWN

At CWMF, we manufacture high performing, heavy duty asphalt, heated, and portable silo systems. Available as stationary, portable, negative weight and self-erecting, our silos range in capacity from 100 to 300 tons and can be custom configured to your requirements. close of the pulverizing hopper top so that safety is never comprised.

FEATURES

- Dual-flow batcher
- Safety gates
- Oil or electric cone heat
- I-beam support legs
- Rigid insulation
- High level alarm
- Dense fiberglass blanket insulation for optimal heat retention





SUPERIOR CONSTRUCTION

We insulate the top platform with 10" of insulation and the sidewalls with 6" of insulation. The top platform is fabricated from 10" channel, insulated and capped on top and bottom. It is then directly mounted on the top of the silo can. This provides more structural integrity for mounting the slat.



STRENGTH & DURABILITY

All the seams in the can and cone are bevel prepped and welded on both sides. This is to ensure 100% weld penetration. Our silos are built to last. For example, the bottom (2) sections of the silo are fabricated from 1/2" steel. As a result, our silos have added strength and wear life. We line our cones with 3/8" AR400 "Turtle-back" liners and the can is lined 8" up the side with 1/4" AR400.



SAFETY & EFFICIENCY

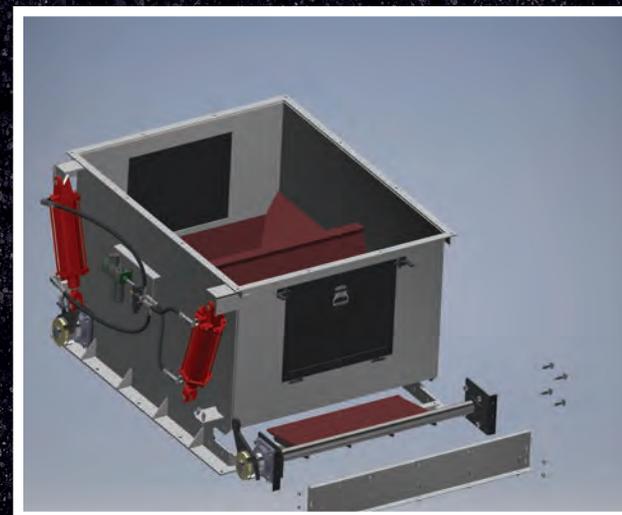
The cone is equipped with timed, clam-gates. Our cone opening is 39" in diameter allowing fast unloading. We also have insulated safety gates as a secondary safety measure. These gates are set up to activate if the air pressure drops below the set-point.

INNOVATIVE BATCHER DESIGN

Our patent-pending system allows you to service your gates without removing the batcher, which increases safety and decreases costly down time.

Our bolt-on batcher is standard at 4 tons with optional extensions for increased capacity and large access doors on two sides. All components are external and gates are removable for easy access and maintenance.

With a heavy-duty material splitter and outward opening gates, our batcher minimizes segregation and drops material to the center of the silo, preventing can/cone wear.



Patent Pending

DON'T SACRIFICE QUALITY FOR PORTABILITY

THE POSSIBILITIES ARE RISING

With a deployment cycle time of about 15 minutes, our negative-weight self-erecting silo system provides 80 tons of short-term storage at production rates up to 500 TPH. It sets up on a prepared level surface with a hydraulic leveling package for fine tuning. Telescoping cylinders lift the slat conveyor which is tethered to the silo. The silo is positioned via limit switches, and hydraulic locking pins secure it into position.

FEATURES

Frames built to hold up in harsh climates

Tri-axle, air-ride suspension with a 2-axle stinger as standard

Optional hydraulic leveling package to increase ground preparation time





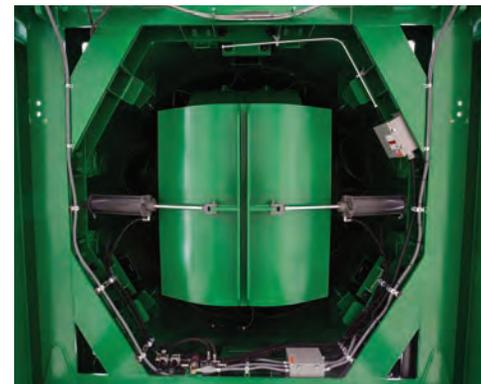
SYSTEM FEATURES

We wanted to provide a product that would stand the test of time. To achieve this, we kept this equipment as consistent as possible to our stationary equipment. We are using the same 1" thick Ni-Hard floor liners, heavy duty, dual strand chain, cone liners, closed top design and we even insulate the silo for added storage time. A caged safety ladder allows access to the top platform, where you would have access to the batcher. Dual, direct drive reducers are used on the drive to minimize any maintenance on top of the silo.



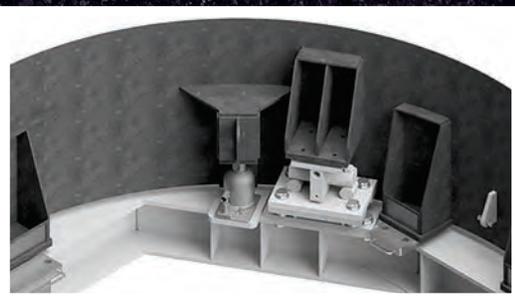
BATCHER

The batcher holds up to 3 tons. The dual gate, anti-segregation design is paramount in producing quality mix. The batcher and the silo gates are inter-locked so that the batcher cannot open when the silo gates are open.



SILO

The silo is a cylinder design. The cone is recessed in the cylinder, like that of a typical stationary silo. The load-cells are located at the base of the cylinder. The top of the silo is covered, keeping the heat in and the elements out. The silo has 2" of insulation for added storage life. The cone is lined with "turtle-back" liners and it can also be equipped with electric cone heat. Our gate design is a dual, timed, clam gate with a center drop discharge, minimizing segregation.



LOAD CELLS

The silo rests on three equally-spaced load cells. While leveling a system that uses four load cells can be difficult, three points of contact will always find level. The batched weight is tracked via a load-out system.

PROGRESS IN THE RIGHT DIRECTION

Our slat and transfer conveyors are equipped with 4140 alloy shafting, coupled with a planetary type reducer and a TEFC motor to handle the most rigorous and demanding environments. The body is constructed of 3/8" thick formed plate, which minimizes weld seams and adds a built-in camber to the structure, providing optimal strength without adding extra weight to the slat.

FEATURES

Reject gate "dual link" locking device doubles as a positive lock and safety device (slat)

Hydraulic hand pump tension device at head shaft on (slat)

Bolt-on diverter gate on (transfer)

Optional leg support for 300-ton packages

Standard 1" thick Ni-Hard liners

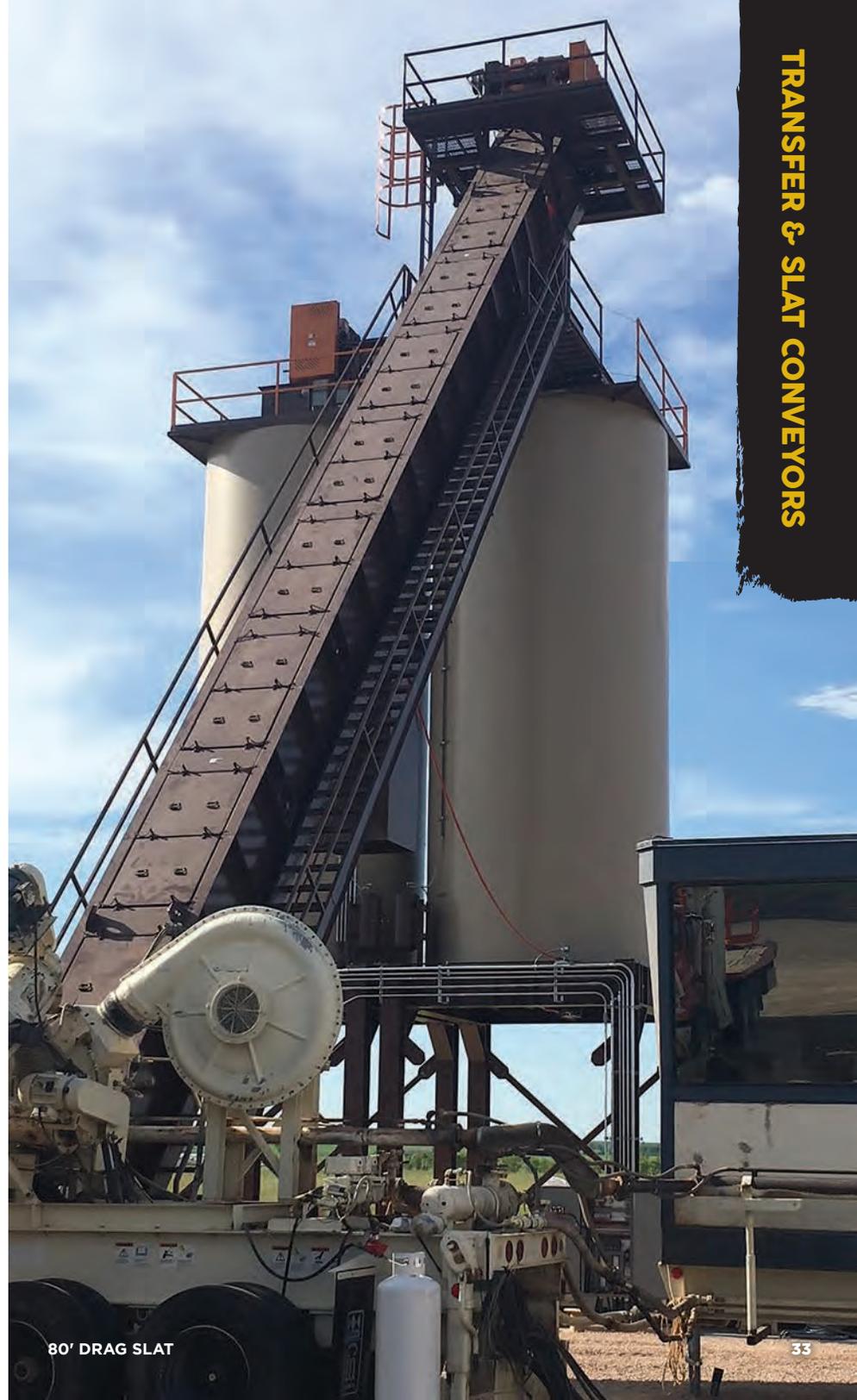




114' DRAG SLAT



114' DRAG SLAT



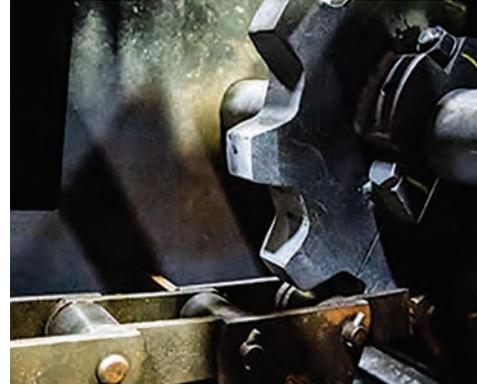
80' DRAG SLAT

TRANSFER CONVEYORS



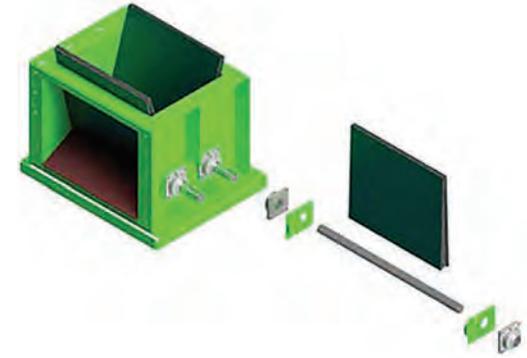
BODY

Our transfer conveyor bodies are constructed in a "U" box design like our drags. We incorporate 1" thick Ni-Hard, casted liners. These bolt-in liners are "L" shaped and encompass the floor and side liners all in one.



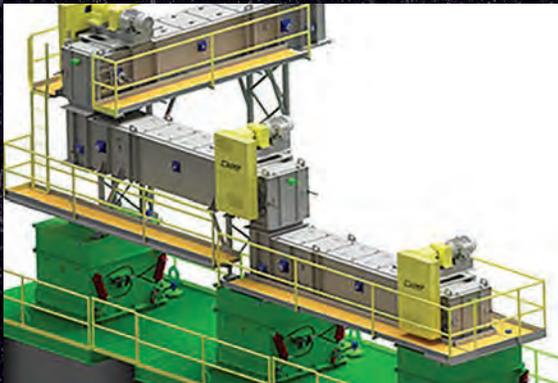
SPROCKETS

Segmented sprockets are available with various pitch chains. Segmented sprockets allow for in-place change outs. Sprockets are hardened for extended life.



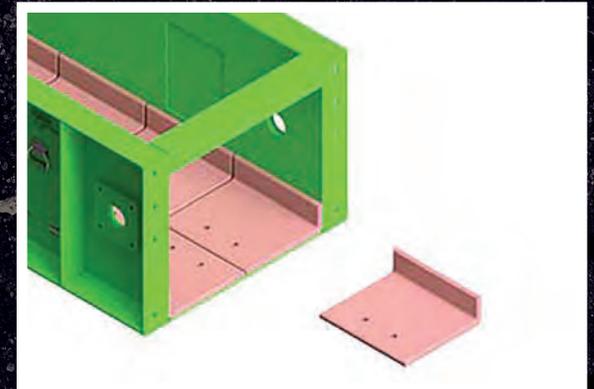
DIVERTER GATES

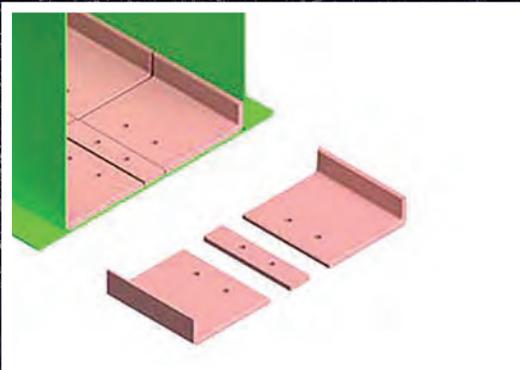
Our flop gate design is bolted onto the main body of the transfer, allowing for easy maintenance. We have also designed our gates to be completely removed from the body.



DESIGN OPTIONS

We offer Rexnord chain in a 4" pitch or 6" pitch. 4140 alloy shafting is used on the head and tail shafts to ensure optimal strength. Catwalks are available as needed. For single-sided catwalks, grease lines are installed on the idler bearings and plumbed to the catwalk side for easy access. Electric or hot-oil heat is available.





NI-HARD LINERS

The slat conveyor body is a “U” form design with built-in camber. We incorporate 1” thick Ni-Hard casted liners. These bolt-in liners are “L” shaped and encompass the floor and side liners all in one.



SLAT FEATURES

We use Rexnord chain with 3/4” x 8” A36 weld-in slats. 4140 alloy shafting is used on the head and tail shafts to ensure optimal strength. Floating idler shafts allow movement as needed, increasing wear life on the consumable components. Single or dual catwalks are available. For single-sided catwalks, grease lines are installed on the idler bearings and plumbed to the catwalk side for easy access. Electric or hot-oil heat is available.



HYDRAULIC CHAIN TENSIONER

The hydraulically operated, chain tensioning system is done at the head shaft. This makes it easier versus other mechanical ways of adjustment. Threaded rod is used to anchor the adjustment. We also use a positive clamp design on the bearing float plate to eliminate floating movement at the head shaft.



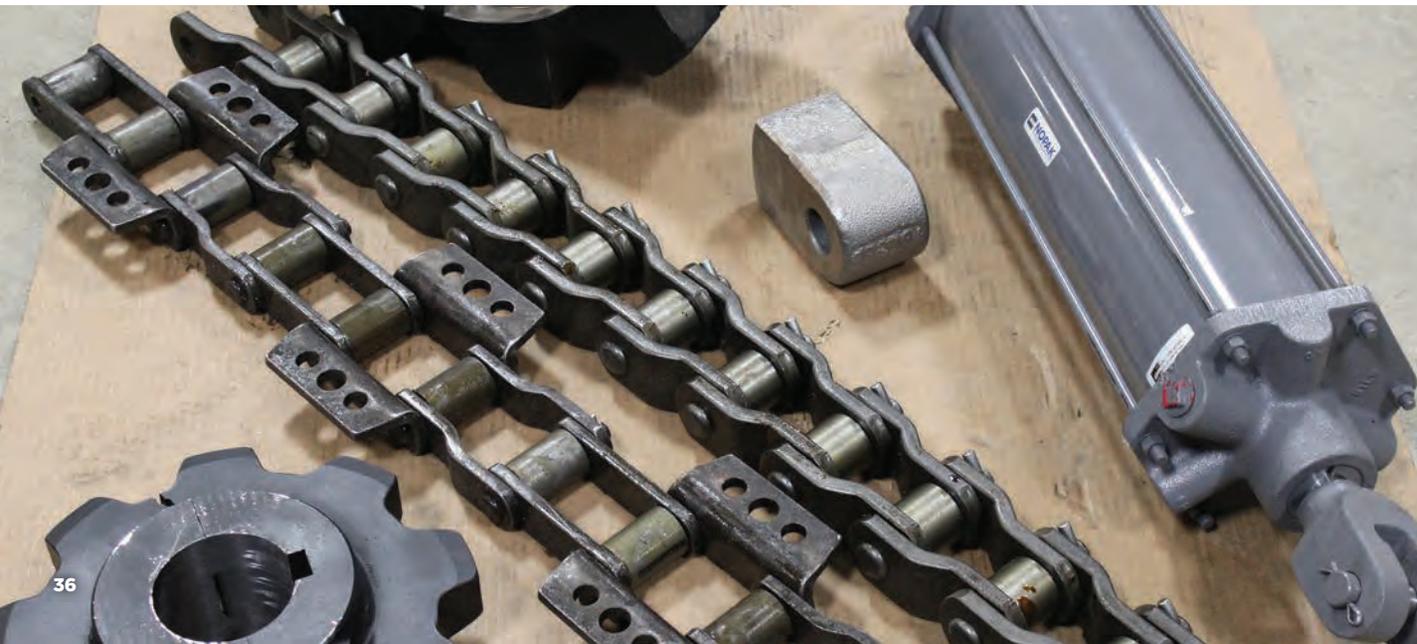
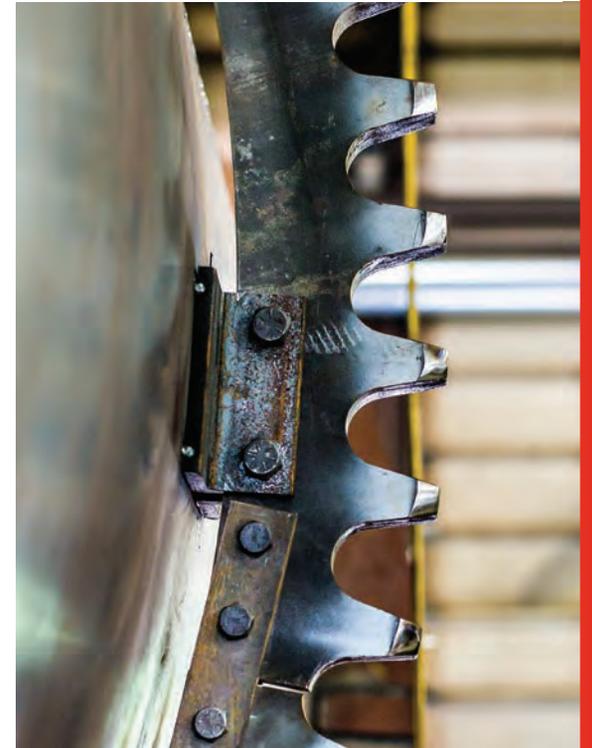
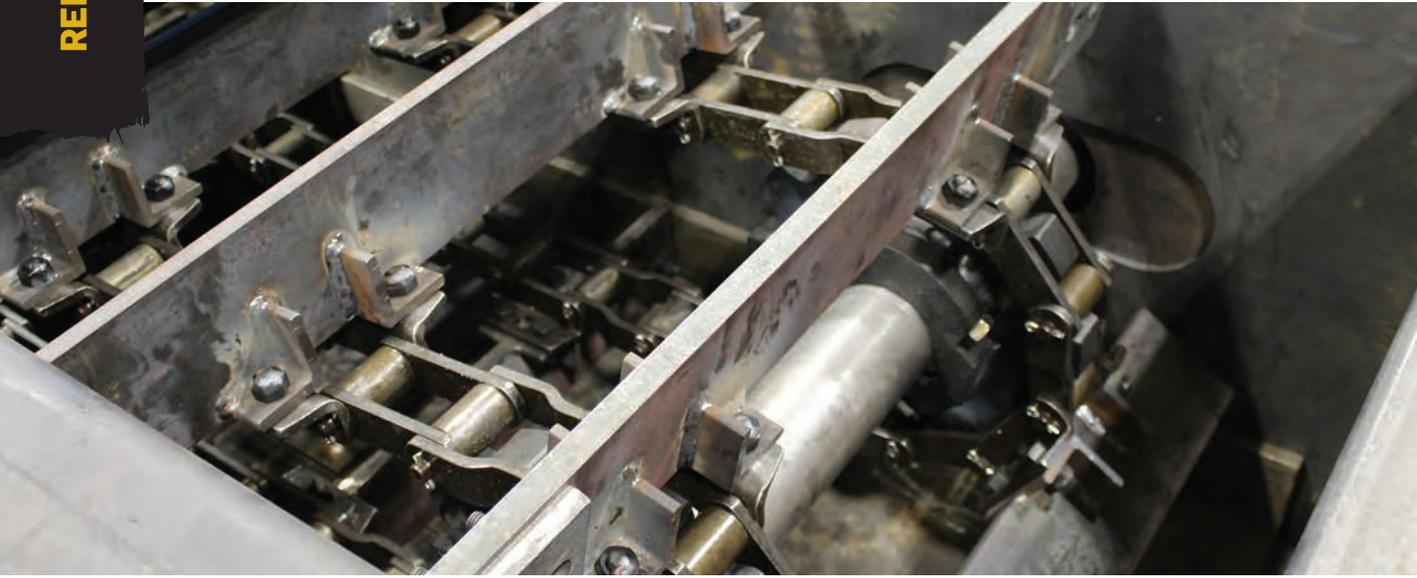
SEGMENTED SPROCKETS

Segmented sprockets and split-hubs are used on the drag chain. Segmented sprockets allow for in-place change outs. We engineered our split hub design to withstand the constant abuse thus eliminating hub failure. Sprockets are hardened for extended life.

SLAT CONVEYORS

REPLACEMENT PARTS

From motors, gearboxes, valves and chains to fabricated drum flights, liners, and anything steel, we offer parts and components to fit almost any plant equipment need.





cwmfcorp.com
877.457.3938