



THE  
**EXTRA**  
**MILE** IS  
**RARELY**  
**CROWDED**

[cwmfcorp.com](http://cwmfcorp.com)





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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 the success and well-being of our Team and Customers and are **FLUID** and **FLEXIBLE** in the ways we provide it.

## **INTEGRITY**

We do what we say we're going to do and hold ourselves **ACCOUNTABLE**. We admit when we are wrong and do whatever it takes to make it 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 flexibility, integrity, and excellence on a consistent basis.

## **DRIVE**

We **DO NOT GIVE UP**. We strive to improve as a company by supporting each other, our partners, and our customers **EVERY DAY**.



**CARMIE MICK**  
PRESIDENT

[carmie@cwmfcorp.com](mailto:carmie@cwmfcorp.com)  
320.251.1306 ext 102



**TRAVIS MICK**  
VICE PRESIDENT

[travis@cwmfcorp.com](mailto:travis@cwmfcorp.com)  
320.251.1306 ext 106

# OUR AC TANKS ARE THE HOTTEST IN THE INDUSTRY

At CWMF, we offer both Stationary and Portable AC Tanks. Stationary AC Tanks are available in both horizontal and vertical configurations. Portable AC Tanks are available in a single tank design or a split tank design.

## STANDARD FEATURES

- Serpentine coil design
- 4" rigid fiberglass insulation on sidewalls to maintain operating temperature
- 6" rigid fiberglass insulation on top and bottom platforms
- High and low suction ports
- Internal condensation vent and overflow
- Square top and bottom platforms

## PORTABLE STANDARD FEATURES

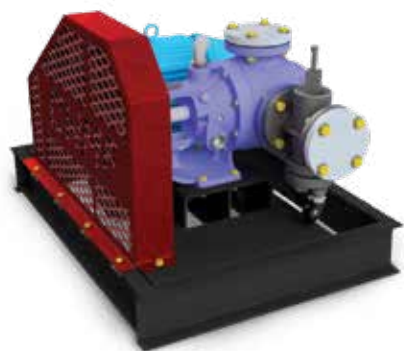
- Serpentine coil design
- 3" rigid fiberglass insulation on sidewalls to maintain operating temperatures
- Internal condensation vent and overflow
- Tanks are prepped for agitators





### AC METERING PUMP

- Model# MPS-20
- Jacketed pump w/ jacketed relief valve
- Jacketed secondary pump w/ jacketed head
- Direct drive
- 20 HP 230/460V 3ph electric motor
- Asphalt 3-way divert valve assembly
- Manual Asphalt 3-way calibration valve
- 20HP VFD electrical panel
- AC metering J-box controls
- Hot oil plumbed



### AC UNLOADING PUMP

- Model# UPS-20
- Jacketed pump w/ jacketed relief valve
- Hot oil plumbed
- 20 HP 230/460V 3ph electric motor
- Skid mounted for ease of installation



### FUEL TANK

- Portable design
- Ladder and top manway
- 12,000 gallon tank capacity
- Single and Double wall tank options
- Customizable plumbing options
- Spill box for fill pipe



# WHEN THE DUST SETTLES, WE'LL STILL BE THERE

## DUST-EATER® PULSE-JET BAGHOUSE

### STANDARD FEATURES

3/16" shell construction

Inlet deflectors

Side wall louvers

7' x 10' x 12' inlet knockout box

2 1/2" spacing between bags

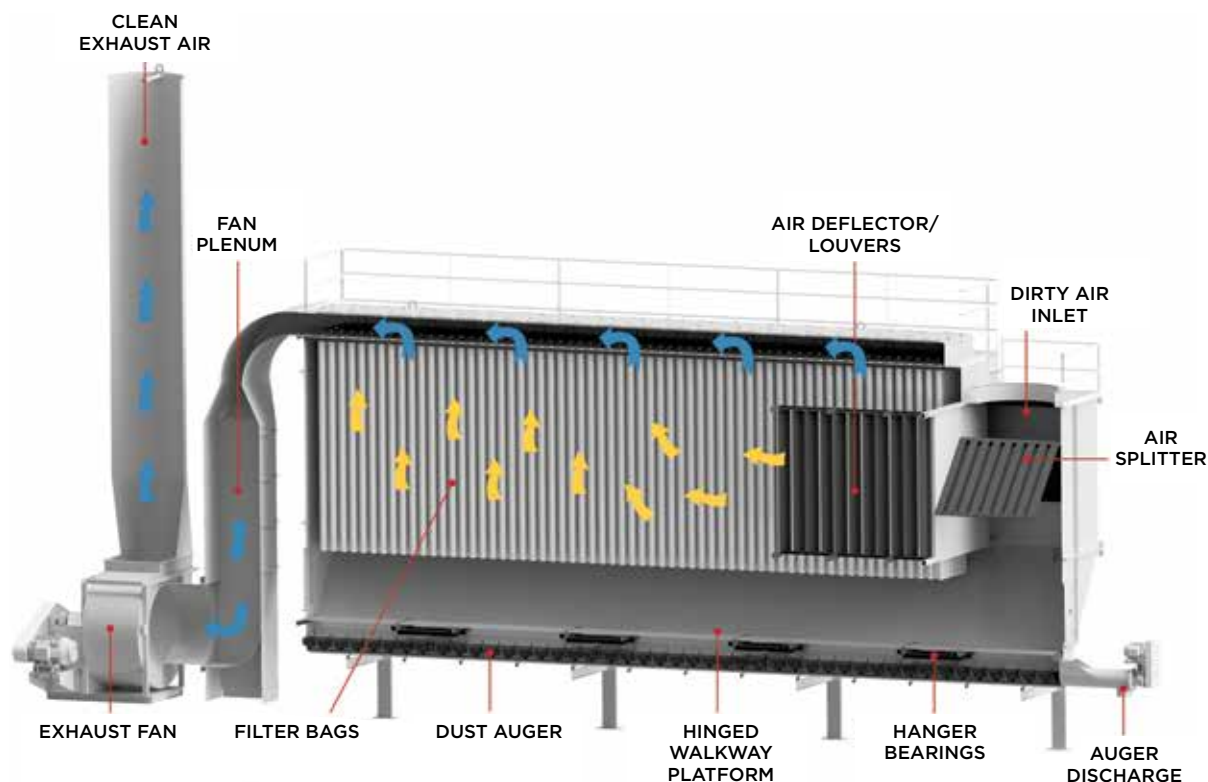
Hose-less valve manifold



**DUST-EATER**  
INNOVATION BY **CWMF**

## PORTABLE & STATIONARY PULSE-JET BAGHOUSE

50,000 - 120,000 CFM



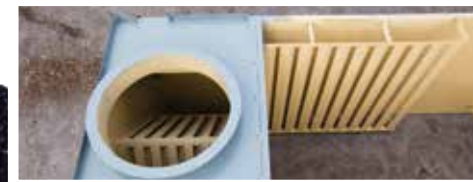
### LESS MAINTENANCE

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 seals and our blowpipes are connected to the pulse valve by means of a compression nut. This enables easy removal of the blowpipe when necessary.



### COMPREHENSIVE FINES REMOVAL

Dust is removed via screw conveyor in the bottom hopper. Dust is conveyed to a rotary air-lock where it is returned to the drum or other dust storage/ metering system. Our portable baghouse units employ a drag slat fines removal system.



### MORE EFFICIENT FILTRATION

With a 2.5" bag spacing, this 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. The generous spacing also permits a better clean by minimizing the amount of dust that clings to the adjacent bags during the pulse cycle. Increased sidewall clearance (21") facilitates balanced filtration throughout the house. Snap-lock bags allow for easy installation and removal while providing an extremely positive seal between bag and tube sheet.

# THE HARDER YOU RUN YOUR PLANT, THE BETTER IT PERFORMS

## DUST-EATER® REVERSE FLOW BAGHOUSE

### STANDARD FEATURES

3/16" shell construction

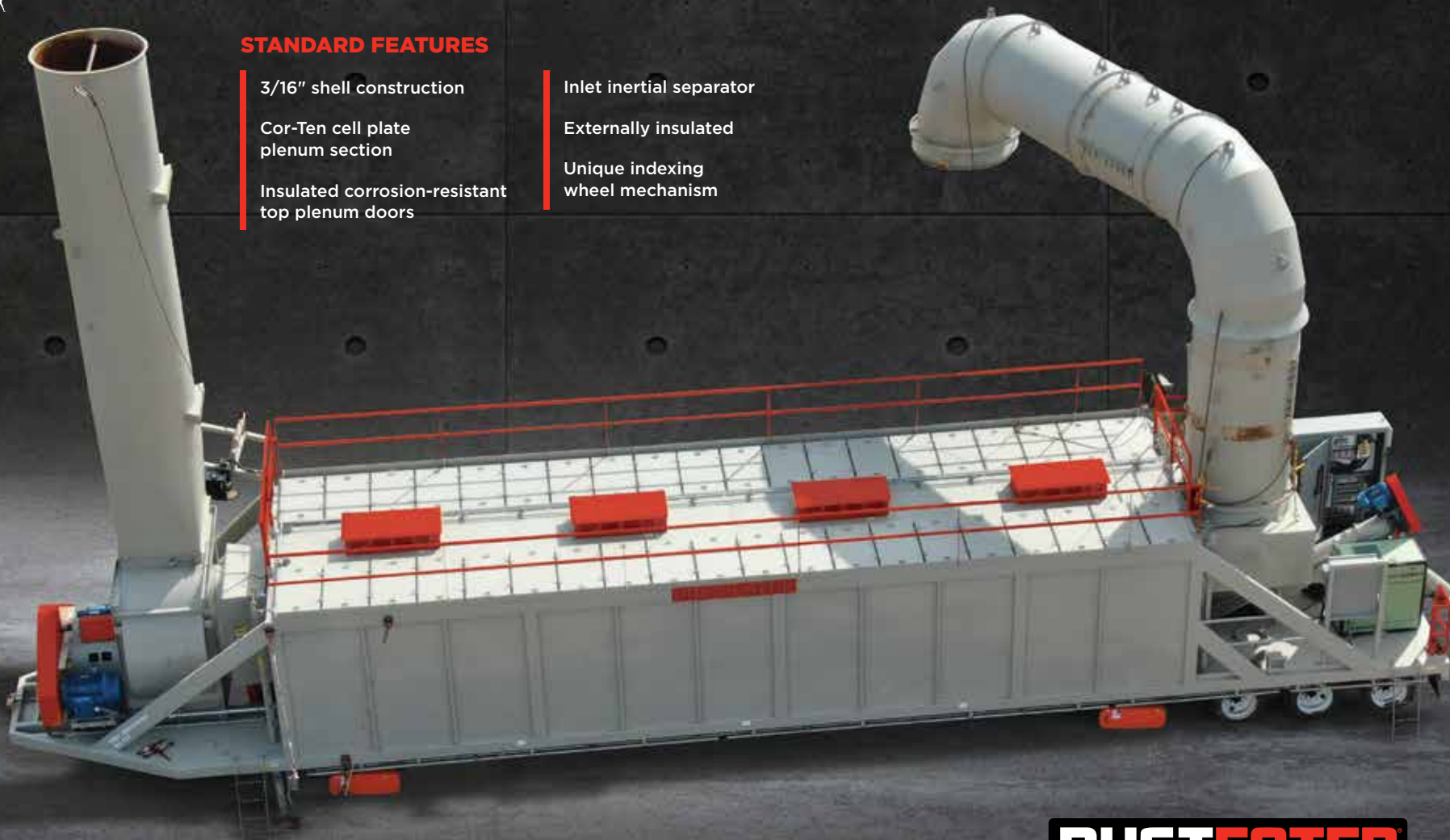
Cor-Ten cell plate  
plenum section

Insulated corrosion-resistant  
top plenum doors

Inlet inertial separator

Externally insulated

Unique indexing  
wheel mechanism

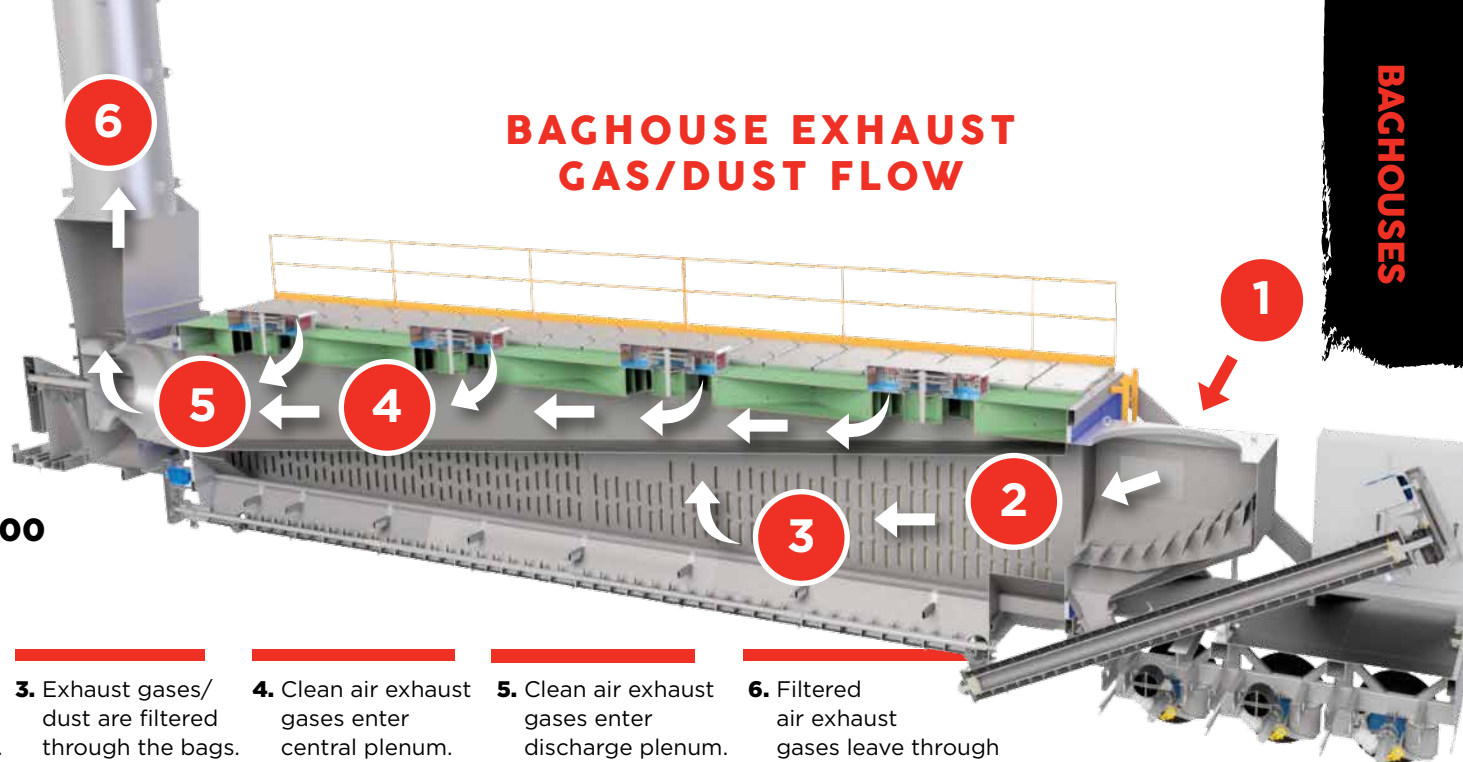
**DUST-EATER®**

REVERSE-FLOW BAGHOUSE

# PORTABLE & STATIONARY REVERSE-FLOW BAGHOUSE

68,000 • 93,000 • 120,000

## BAGHOUSE EXHAUST GAS/DUST FLOW



1. Exhaust gases/  
dust enters  
the baghouse.

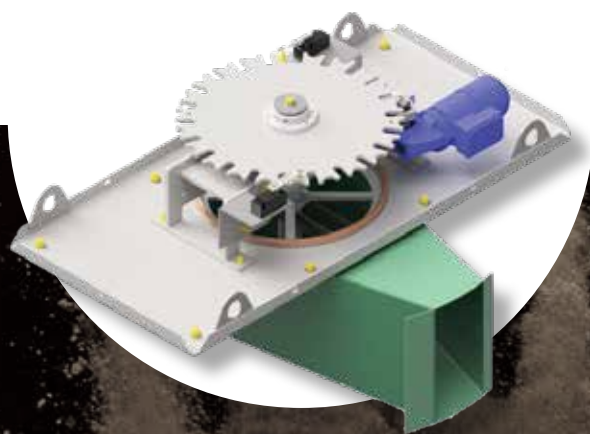
2. Exhaust gases/  
dust flow through  
distributor panels.

3. Exhaust gases/  
dust are filtered  
through the bags.

4. Clean air exhaust  
gases enter  
central plenum.

5. Clean air exhaust  
gases enter  
discharge plenum.

6. Filtered  
air exhaust  
gases leave through  
the exhaust stack.



## INDEXING NOZZLE

CWMF's indexing nozzle was modeled after the Geneva Wheel mechanism. This drive design provides a precise, repeatable positioning without the need for any mechanical brakes or other devices, ensuring an optimal clean. Additionally, we have (2) resting spots within each filter cell. This allows us to clean half of the filter cell before moving to the next, ensuring balanced airflow and filtration.



## INERTIAL SEPARATOR

CWMF's inertial separator is a baffle chamber design. We have fixed baffle plates that cause the conveyed gas stream to make a sudden change of direction. The larger particulate is cut from the gas stream, continuing into the dead air space, and settling to the discharge auger. This precleaning method reduces the amount of dust load on the filter media, allowing continuous, high performance of the 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 offer customizable options for various elements of the conveyor belt system.

## OPTIONAL FEATURES

- Stationary or Portable
- Mounted Honey Badger RAP Crusher
- Primary and secondary belt scrapers
- Belt scale with integrator and test weights
- Mounted CWMF Tremor Shaker™ screen
- Vulcanized belts
- Portability Kit
- Hydraulic lift kit
- Wind guards





# WHERE EFFICIENCY AND COST EFFECTIVENESS TAKE FLIGHT

## REVOLUTION D™ DRUM

The highly efficient Revolution D™ 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.

### STANDARD FEATURES

- Portable or stationary
- Timken AP railcar bearings
- Center pivot, single point adjustment trunnion bases set at an angle

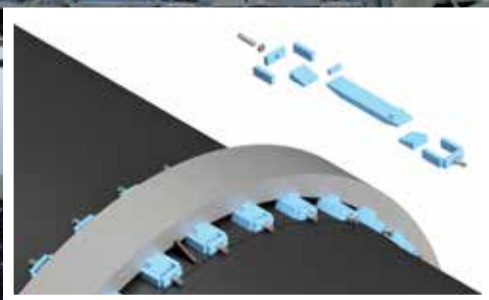
CWMF adjustable wedge-lok tire suspension bars

Wide recycle inlet



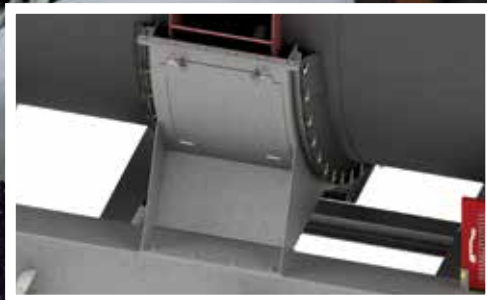
**REVOLUTION D**

INNOVATION BY **CWMF**



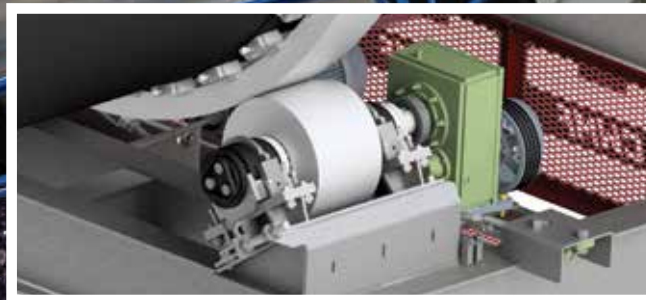
### WEDGE-LOK™ TIRE SUSPENSION SYSTEM

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 mitigate independent rotation by simply adjusting setscrews. The inclined plane mechanism provides superb holding strength so there is no need to apply shim stock. A secured and balanced 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 High RAP mixes. Our collars are engineered to allow high volumes of 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

Training a drum is a relatively easy concept. However, given the sheer size, 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.

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

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

### CWMF RETROFIT SOLUTIONS INCLUDE

- Complete new drum barrel
- Wedge-lok™ tire suspension system
- Flighting packages
- Updated trunnion assemblies
- Insulation and liner packages
- Extended life wear packages
- Hydraulic system



AFTER

# ALL THE COMPONENTS YOU NEED TO KEEP THE DUST SETTLED

## SYSTEM DESIGN OPTIONS

Screw conveyers

Wet augers

Dust silos

Blower

Dust pod

Weigh pod

Mel-Pod

Vane feeders



The dust control system refers to the components that handle dust extracted from the drying process. These components are required between the drum and the baghouse. They are used to control/meter the dust as a measured component of the asphalt mix design.



# 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. Engineered with flexibility in mind, our design allows for multiple configurations.

## STANDARD 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



## 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.





# REVOLUTION ASPHALT PLANTS

## PRODUCTION WHERE YOU NEED IT

CWMF's Revolution Plants are intelligently designed to meet your TPH production needs. Our equipment is engineered to accept many add-on options in both portable and stationary.

### CWMF'S EQUIPMENT INCLUDES:

Revolution D™ 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 handling equipment, AC tanks, control house, and plant controls.





# RECYCLE THE ROAD

## HONEY BADGER RAP CRUSHER

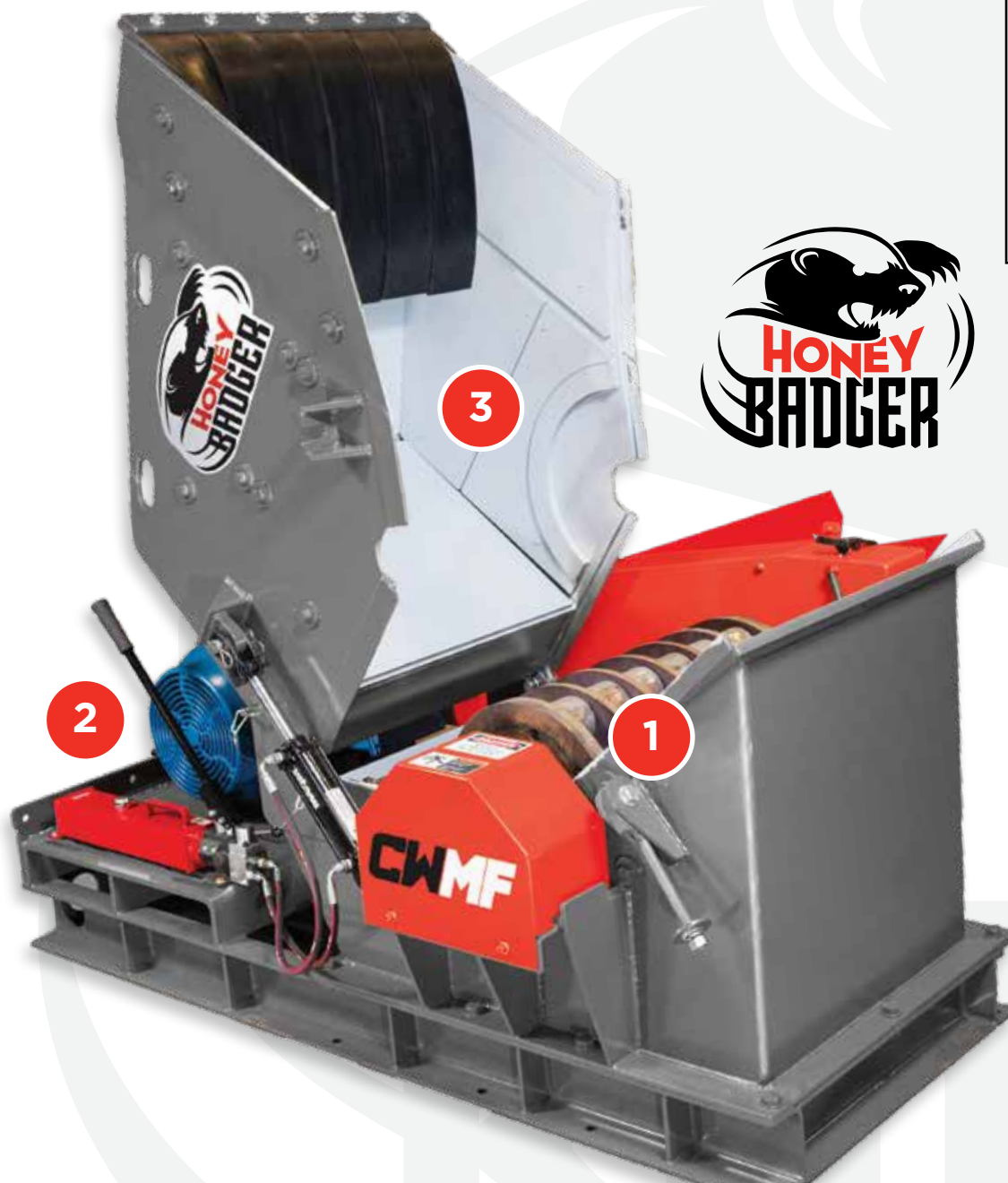
Recycle the road with the fiercely reliable Honey Badger RAP Crusher. From replaceable abrasion-resistant steel wear liners to a 1/2" steel pulverizing hopper, this machine is ready for wear and tear.

Included is a two-way valve hydraulic power pack that performs a controlled close of the pulverizing hopper top so that safety is never compromised. Fully-equipped with max power, reliable operation, and easy maintenance, the Honey Badger is ready to crush it.



## HONEY BADGER RAP CRUSHER FEATURES

Below you'll find some of the features that make our Honey Badger RAP Crusher a great fit for meeting industry recycled asphalt needs.



1

### PULVERIZING HOPPER

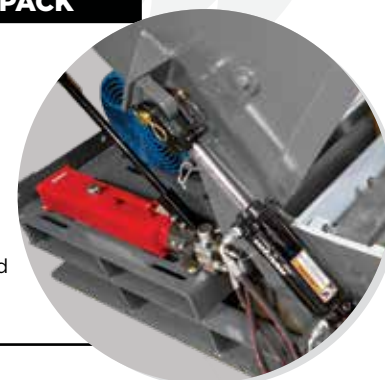
- 1/2" steel pulverizing hopper with structural steel sub-base.
- Heavy duty rotor assembly including:
  - Premium grade 3" cast tungsten impregnated hammers.
  - Precision machined driveshaft.
  - 3/4" rotor disks.
  - Grease lubricated pillow block bearings.
- Heavy duty abrasion-resistant steel grate to properly size material.
- Relieved anti-plugging design.
- Variety of sizes available.



2

### 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.



3

### INTERNAL WEAR LINERS

- Replaceable abrasion-resistant steel wear liners.
- Consistently sized.
- Dual stacked 3/4" abrasion-resistant steel impact anvil bars.
- Metal trap area.



# INNOVATION MEETS DURABILITY

## TREMOR SHAKER™

Our 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 Huck-bolted construction. Additionally, a pivoting motor base is used to help absorb and isolate the vibration, while maintaining constant belt tension.

### OPTIONS

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



**TREMOR SHAKER**  
INNOVATION BY **CWMF**



# CRUSH THE JOB, EVERYTIME

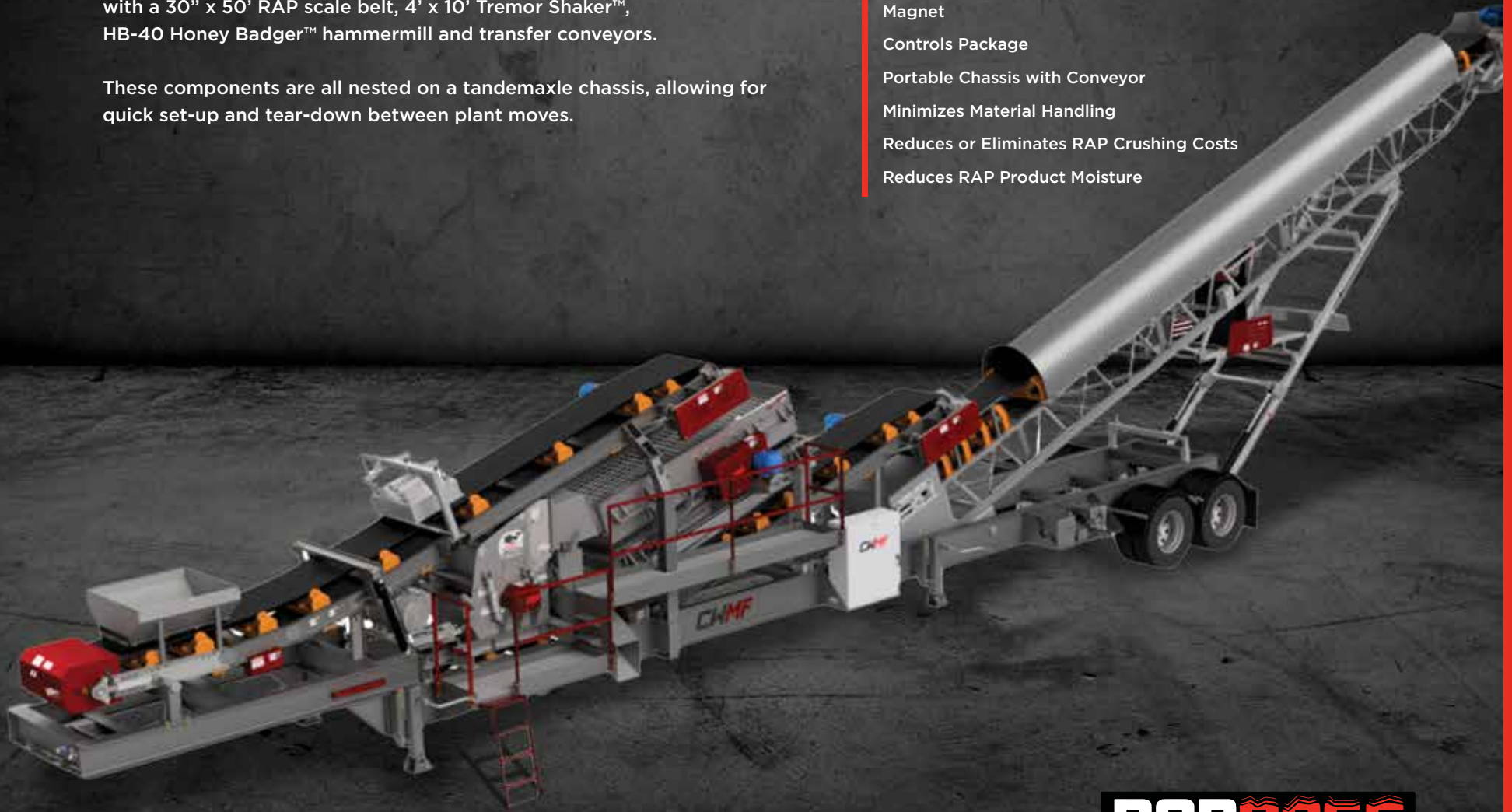
## PORTABLE RAP BOSS SCALE SYSTEM

The CWMF Portable Honey Badger RAP System, processes, weighs and delivers your product to the mixing drum. It is equipped with a 30" x 50' RAP scale belt, 4' x 10' Tremor Shaker™, HB-40 Honey Badger™ hammermill and transfer conveyors.

These components are all nested on a tandem axle chassis, allowing for quick set-up and tear-down between plant moves.

### STANDARD FEATURES

- Tandem Axle Chassis
- 30" x 50" Virgin Scale Conveyor
- Honey Badger Hammer Mill HB 40
- 4 X 10 Tremor Shaker™ Single Deck
- 30" x 30" Scale Feed Conveyor
- Magnet
- Controls Package
- Portable Chassis with Conveyor
- Minimizes Material Handling
- Reduces or Eliminates RAP Crushing Costs
- Reduces RAP Product Moisture





## PORTABLE HONEY BADGER RAP CRUSHER SYSTEM

Much like the RAP Boss, the RAP Boss Jr. works with your existing RAP scale conveyor to minimize material handling, reduce or eliminate RAP crushing costs, and reduce RAP product moisture resulting in significant time and cost savings.

### STANDARD FEATURES

- Honey Badger Hammer Mill HB 40
- 4 X 10 Tremor Shaker™ Single Deck
- Magnet
- Controls Package
- Portable Chassis with Conveyor
- Minimizes Material Handling
- Reduces or Eliminates RAP Crushing Costs
- Reduces RAP Product Moisture

## KEEP TEMPS UP AND COSTS DOWN

At CWMF, we manufacture efficient, heavy-duty, portable, and stationary silo systems. Our silos range in capacity from 100 to 300 tons and can be custom configured to your requirements.

### STANDARD FEATURES

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





## SUPERIOR DESIGN

The top platform is constructed from channel with 10" of insulation and directly mounted to the top of the silo can, which provides more structural integrity for mounting the slat. In addition, the can has 6" of insulation and the bottom platform has 3" of insulation to extend storage life.



## 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. 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

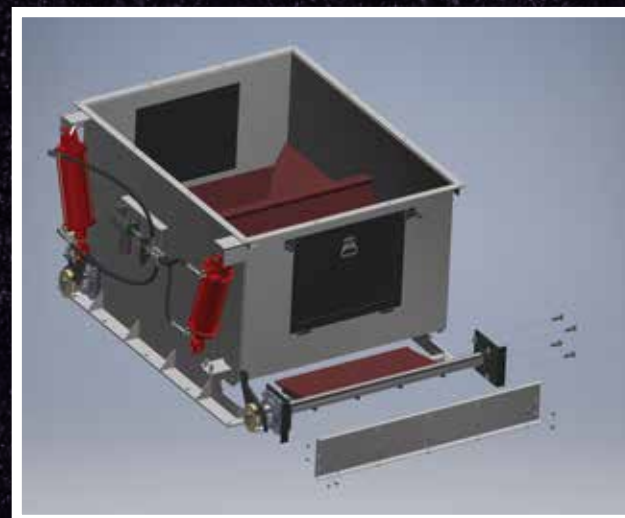
The cone is equipped with timed, clam-gates. Our cone opening is 39" in diameter allowing fast unloading. We also have insulated safety gates as a secondary safety measure. These gates are set up to activate if the air pressure drops below the set-point.

## INNOVATIVE BATCHER DESIGN

Our patented 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.



## DON'T SACRIFICE QUALITY OR PORTABILITY

With a cycle time of approximately 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.



### STANDARD FEATURES

- Frames built to hold up in harsh climates
- Tri-axle, air-ride suspension with a 2-axle stinger as standard
- Hydraulic leveling package to increase ground preparation time
- Ni-Hard floor liners
- Turtle-back cone liners
- 4' can liners
- Chain tensioning on tail shaft
- Cylinder actuated reject gate



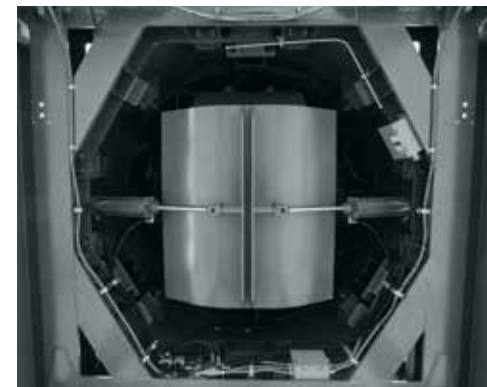
## SYSTEM FEATURES

We provide a product that will stand the test of time. We use 1" thick Ni-Hard floor liners, heavy duty, dual strand chain, can/cone liners, and closed top design. A safety ladder allows access to the top platform, where you can access the batcher. Dual, direct drive reducers are used to minimize any maintenance on top of the silo.



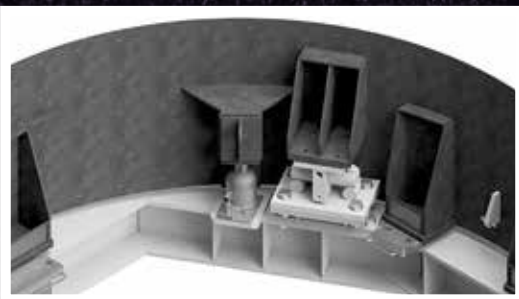
## BATCHER

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



## SILO

The silo is a negative weigh design. Three load cells are equally spaced at the base of the cylinder to provide a balanced weigh. The top of the silo is covered, keeping heat in and the elements out. Our gate design is a timed, dual clam gate with a center drop discharge, minimizing segregation.



## LOAD CELLS

The silo rests on a three-point load cell system, resulting in accurate and consistent loads.

## ALWAYS MOVING FORWARD

Our slat conveyors are manufactured to provide optimal strength without all the added weight.

### STANDARD FEATURES

Reject gate dual link design, doubles as a positive lock safety mechanism

Hydraulic hand pump tension device at head shaft

Standard 1" thick Ni-Hard liners

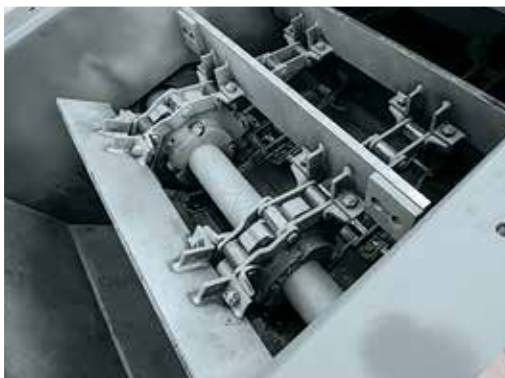
Planetary drive system

Electric or hot oil floor heat



**CWMF**

# SLAT CONVEYORS



## SLAT FEATURES

We use engineered class 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 sided catwalks are available. Electric or hot-oil heat is also available.



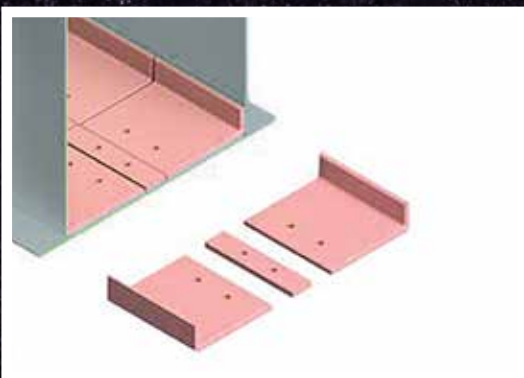
## HYDRAULIC CHAIN TENSIONER

The hydraulically operated, chain tensioning system is done at the head shaft. Threaded rod is used to anchor the adjustment. Additionally, we offer a gravity tail shaft tensioner.



## 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.



## 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.

## PROGRESS IN THE RIGHT DIRECTION

Our transfer conveyors are built to withstand the most rigorous and demanding environments.

### STANDARD FEATURES

1" thick Ni-Hard liners

Bolt on diverter gate

Planetary drive system

Head shaft tension

Electric floor heat

Insulated floor



# TRANSFER CONVEYORS



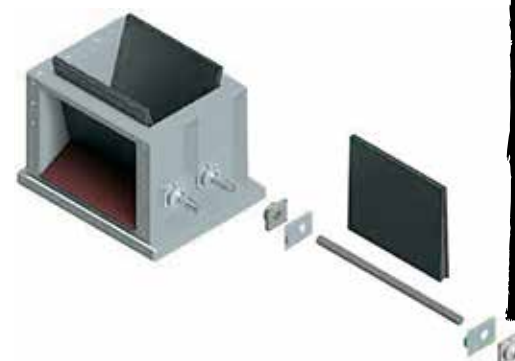
## BODY

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.



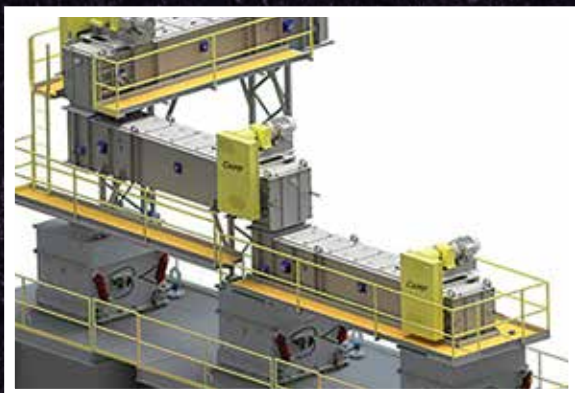
## SPROCKETS

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



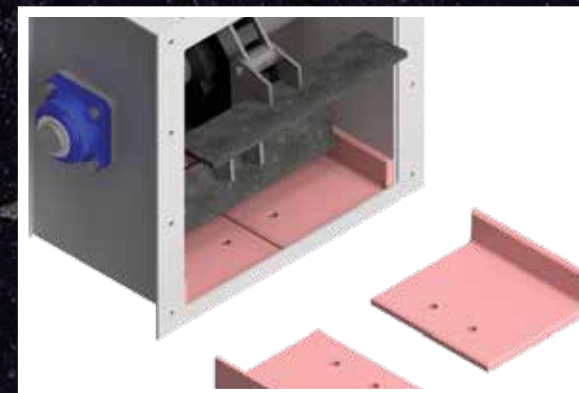
## DIVERTER GATES

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 engineered class 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 in single or dual sided.



# REPLACEMENT PARTS EVERYTHING YOU NEED TO KEEP RUNNING

## ASPHALT PLANT PARTS

We are proud to carry dependable, durable, state-of-the-art components from the best manufacturers.

- Gear Reducers
- Conveyor Components
- Conveyor Belting & Conveyor Belt Fasteners
- Vibrators & Air Cannons
- Drum Burners
- Screen Cloth
- Replacement Hammers
- Slat/Transfer Chain & Sprockets
- Drive Chain & Sprockets
- Idler Wheels
- Baghouse Chain & Sprockets
- Baghouse Filter Bags & Cages
- Baghouse Pre-coat & Leak Detection Powder
- Baghouse Goyen Valves & Repair Kits
- AC & Hot Oil Valves
- Couplings



- Bearings
- Electric Motors
- Airlocks
- VFD (Variable Frequency Drives)
- Wear Plates
- Thermocouples & Gauges



## CUSTOM SOLUTIONS

Get the custom parts you need to keep production moving.



- Cold Feed & RAP Bin UHMW Liners
- Bin Grizzlies
- Skirtboard Solutions
- Drum Seal Solutions
- Drum Flighting
- Drum Liners
- Trunnions & Thrust Rollers
- Silo Parts & Cone Liners
- Shaker Decks
- Honey Badger RAP Crusher
- AC Metering Pump Skid
- AC Unloading Pump Skid
- Dust Augers & Auger Solutions
- Shafting



# CWMF



[cwmfcorp.com](http://cwmfcorp.com)

877. 457.3938