



PRODUCTS & SERVICES

CATALOG



Member Companies of Floyd Holdings



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2025 – Five Generations of Innovating

01

SAWMILLING MACHINERY

- We have a long and strong history of primary & secondary breaking down equipment. Made to last and withstand the Australian market.



02

AUTOMATION & ROBOTICS

- We strive to bring new automation technology & robotic applications with our highly skilled automation team we manufacture all control systems for our machines.
- We have the ability to complete trials with test robots and complete simulations for specific applications.



03

BIOMASS MATERIALS HANDLING

- Creating specific partnerships AE Gibson have the ability to bring world leading materials handling solutions to the Australian market. All supported here within the country. This is piece of mind that you will receive round the clock service and ensures minimal downtime





Our Services & Capabilities

01

MECHANICAL & ELECTRICAL INSTALLTION AND COMMISSION

- AE Gibson have a ready to work team with over 100 combined years of installation experience. Ensure smooth timeframes and reliability within the equipment.



02

SUPPORT & SERVICE

- Maintenance & service support is a key part of our business. We can offer subscription service packages along with standalone call outs to keep you going.
- Our remote connection promotes support wherever, Whenever.

03

INHOUSE ENGINEERING & DESIGN

- Our team of dedicated engineers are here to provide custom solutions to meet your requirements.
- All our projects are 3D Modelled and proven before manufacture.





Manufacturing Ability

01

LOCATION

- Situated in heart of Kendall, 2439 sits our 2000 m² factory with our second manufacturing plant situated 25 minutes south. Both with direct road freight access.
- Twin 5T gantry cranes allow all types of manufacturing to take place.



02

FABRICATION

- We have boiler makers in all fields of excellence to manufacture all steel properties, from light stainless, through to heavy structural steel.
- All machinery gets put to the test here in the factory before shipment.

03

MACHINING

- Our skilled machinist ensure all parts weather precision or agricultural fit seamlessly.
- With our latest Harris CNC Lathe, we can produce products, faster cleaner and more efficiently.





OUR PRODUCTS

01

LOG INFEED AND SORTING

- Our log handling and infeed systems are the strongest and most reliable in the industry. Offering systems for pine and hardwood ranging to suit all log diameters.



02

PRIMARY BREAKDOWN UNITS

- Our primary breakdown units can cater for all log sizes, from the large 800mm hardwood sections through to fast pine mill operations.



03

SECONDARY BREAKDOWN UNITS

- Benches & Multisaw are a crucial part of the milling industry. Gibson's have evolved these machines into the advanced and efficient machines that we see today.



OUR PRODUCTS

04

DOCKING

- We have a large background with docking, whether it be fault docking or general docking to length we have systems to suit all sized and volumes.



05

GRADING & SORTING

- We manufacture grading lines, integrated with turning & queuing equipment, through to straight forward green chains.



06

STACKING

- From stacking large sections sleepers to stacking palings at high rates. We have completed projects to stack almost all sections.

Advanced Conveyors & Bulk Handling Systems

The SMART Conveyor™ Company

**BE
&E**

SMART CONVEYOR™

Designed for versatility, SMART Conveyors™ are available in three series with variable volumetric and load capacities. Conveyor widths range from 18-72". All are available with a variety of finishes and components. They allow for multiple inlets and outlets and can be configured as top-drag or bottom-drag units. Ash-handling configurations are also available.



01

UNIQUE CAPABILITIES

- High inclines up to vertical
- Change curve wear strips in just minutes (S Series)
- Modular construction allows for reconfiguration
- Replace sprockets and wear items without breaking the chain
- Relatively little power required for high volumes



02

SUPERIOR DESIGN

- Paddles don't touch floors or sidewalls
- Chains run outside the material path
- Bolted construction
- Metal-on-metal contact occurs only at the sprockets
- Requires only one structural support every 40'
- Enclosed design contains dust
- Standard parts for easier maintenance
- Split head for faster maintenance (M/T Series)
- Multiple fail points to protect critical components

03

BUILT-IN SAFETY

- Fully enclosed / "dust tight"
- Shaft-mounted gearboxes with direct drive
- Available with automatic deluge with spark detection, explosion panels, and flameless explosion vents
- Meets NFPA standards for explosion hazards



BURST PANELS
INSPECTION DOORS
DELUGE NOZZLES
CONDUIT SUPPORTS
CUSTOM COLOR

Advanced Conveyors & Bulk Handling Systems

The SMART Conveyor™ Company

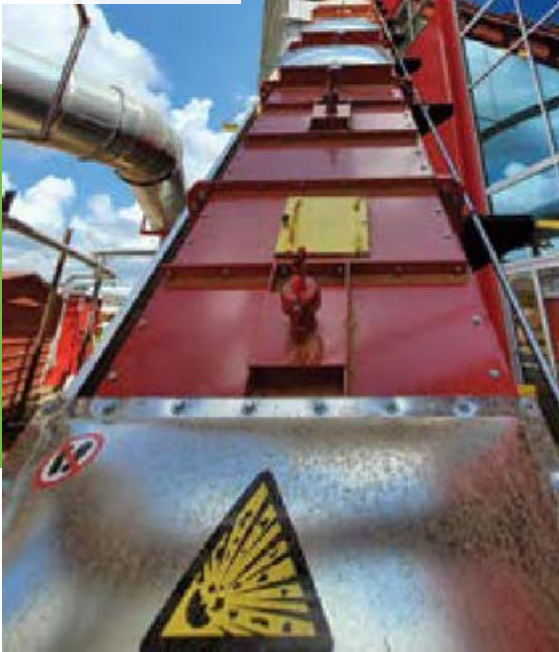
**BE
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CONVEYOR OPTIONS

MORE
FUNCTIONS

MORE
OPTIONS

MORE
APPLICATIONS



01

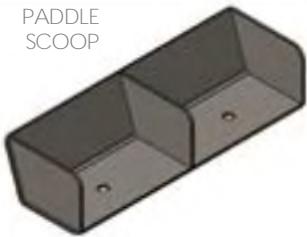
MORE FUNCTIONS

- Extended tops
- Tail scoops
- Paddle scoops
- Slide gates (electric or pneumatic)
- Sweep brushes
- Conduit mounts
- Manual sample ports
- Mid-floors

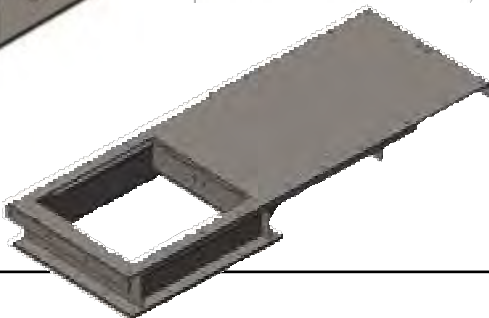
PADDLE BRUSH



PADDLE SCOOP



SLIDE GATE



MANUAL SAMPLE PORT

02

MORE OPTIONS

- Flop and diversion gates
- Explosion burst panels
- Flameless vents
- Automatic deluge with spark detection
- Sealed inspection doors
- Sealed access doors
- UHMW, Tri-Braze, and AR steel floor liners
- Powder coat, galvanized, and stainless steel finishes
- Custom colors

03

MORE APPLICATIONS

- Stainless steel ash conveyor
- Single or multiple curves
- Top- or bottom-drag
- Three series with differing heights and capacities: S (standard), M (medium), and T (tall)



GALVANIZED FINISH



EXTENDED HOOD MID-FLOOR



FLOP GATE



SMART CONTAINER

VERSATILE
DESIGN

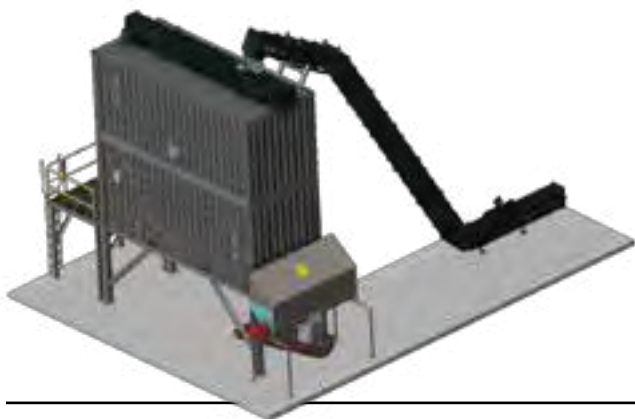
DISTINCT
VALUE

SIMPLE
OPERATION

01

VERSATILE DESIGN

- Available in 20' or 40' lengths
- 2,300 ft³ (65m³) base capacity (40')
- 1,025 ft³ (30m³) base capacity (20')
- Hydraulics require no sensors or limit switches
- Accurate discharge rate without large surges
- Can be made "dust tight"
- First-in, first-out material recovery



02

DISTINCT VALUE

STATIONARY CONFIGURATIONS

- Can be placed side-by-side for material segregation, blending, or redundancy
- Stack up to three units tall
- Installs quickly, often in 2-3 days
- Minimal civil work required
- Vertical walls resist bridging
- Available with devices to mitigate fires and explosions
- Available with closed or open top

03

SIMPLE OPERATION

MOBILE OPTION

- Use for on-site storage, transport, and feeding
- Sits on flatbed trailer
- Ready to operate upon delivery
- "No mess" receiving stations available



SMART FLOORS

VERSATILE
DESIGN

ROBUST
PERFORMANCE

SIMPLE
MAINTENANCE



01

VERSATILE DESIGN

- Contents can be blended at discharge
- Storage can be divided
- Trucks and wheel loaders can unload directly onto storage area
- Modular design allows for future capacity expansion

Storage building
with SMART Floors



02

ROBUST PERFORMANCE

- Existing buildings can be converted to storage facilities
- Material flow is first-in, first-out
- Flights shear material off bottom of pile
- Accurate discharge rates
- Available for small, 20' bunkers or large buildings
- Available with “push” or “pull” hydraulics

03

SIMPLE MAINTENANCE

- No sensors or limit switches
- Overflow protection available
- Long-lasting wear materials
- Stokers are powered individually so crews can maintain the floors without shutting down the entire system





TWIN-SCREW METERING BIN



ENCLOSED TRI-SCREW BIN

LIVE-BOTTOM BINS

NUMEROUS APPLICATIONS

SMART FEATURES

PROVEN RELIABILITY



8'X16' RECEIVING BIN

01

NUMEROUS APPLICATIONS

- Metering / Surge protection
- Process infeed
- Moving-floor trailer receiving
- Wheel loader receiving
- SMART Container receiving

02

SMART FEATURES

- Shaft-mounted direct drive
- Individually powered shafts
- No drive chains, pulleys, or hanger bearings
- "Dust tight" when paired with our SMART Conveyors™
- Standard zero-speed sensors
- Optional explosion panels, spark detection, and deluge
- Vertical walls resist bridging
- Protects feed conveyor from damaging surges
- No bridging at the conveyor inlet



OPEN-TOP
4'X16' BIN



ABOVE:
4'X16' BIN WITH
ADDED CAPACITY



LEFT: TRI-SCREW BIN
FOR RECEIVING

RIGHT:
QUAD-SCREW
BIN WITH ADDED
CAPACITY



03

MANY CONFIGURATIONS

- Single-screw centering
- Open top (for wheel-loader and trailer receiving)
- Top hat (for moving-floor trailer receiving)
- Containerized with quad-screw outfeed
- Enclosed, tri- and quad-screw
- Custom solutions for unique needs



SIDE-DISCHARGE RECEIVING BIN



SIDE-DISCHARGE RECEIVING BIN, INTERNAL

TRAILER RECEIVING

SMART
FEATURES

MULTIPLE
CONFIGURATIONS

AUTOMATED
INFEED



REAR-DISCHARGE
RECEIVING BIN



SIDE-DISCHARGE RECEIVING BIN

01

SMART FEATURES

- Shaft-mounted direct drive
- Individually powered shafts
- No drive chains, pulleys, or hanger bearings
- Standard zero-speed sensors
- Protects receiving conveyor from damaging surges
- No bridging at the conveyor inlet
- Available with pneumatic dust collection
- Available with automated shut-off switch

02

MULTIPLE CONFIGURATIONS

- **Rear-discharge** "in-line" style for mess-free receiving
- **Side-discharge** style with a smaller footprint and a 10' depth
- **Centering bins** fitted to receive from SMART Containers without mess



SMART CONTAINER RECEIVING BINS

TRAILER LOADING

SMART
OPERATION

MEASURABLE
ADVANTAGES

EXCELLENT
VALUE



01

SMART OPERATION

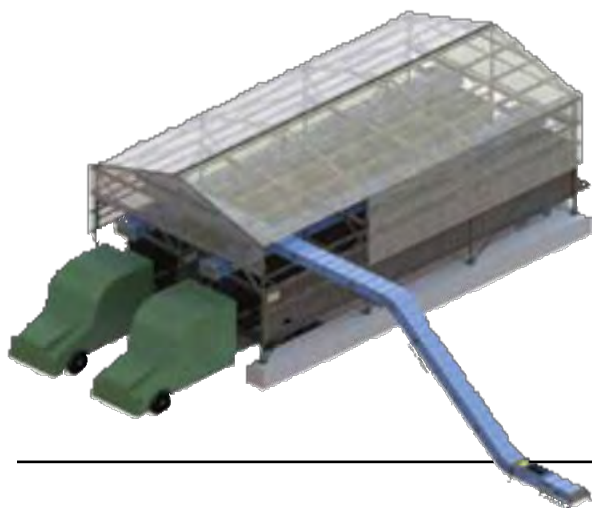
- Drops material directly into trailers
- Enclosed, conveyor-based system
- Full, even loads front to back
- Can be easily integrated into a chipping line or implemented as a self-contained process



02

MEASURABLE ADVANTAGES

- Requires no air permits to operate
- Drive-through convenience
- Eliminates need for loud, inefficient fans
- Eliminates the need for storage and its related maintenance costs
- Load times as fast as 20 minutes with BE&E's 48S SMART Conveyor™
- Modular design allows for expansion



03

EXCELLENT VALUE VS. CHIP BINS

- Less capital costs
- Far less dust
- Safer loading environment: no need to unplug material to encourage flow
- Less ground space required

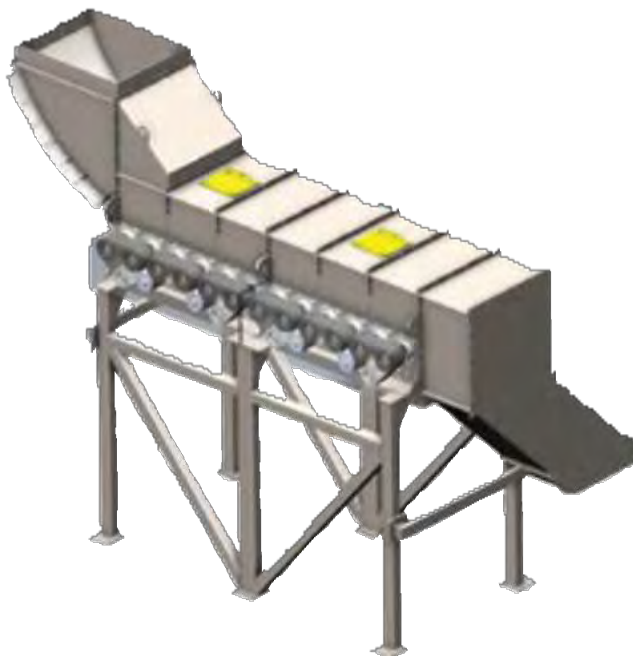


DISC SCREENER

SMART
FEATURES

BETTER
ENGINEERING

SIMPLE
MAINTENANCE



01

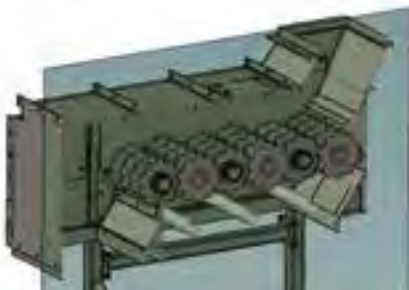
SMART FEATURES

- Superior rock handling: thousands of shapes simulated to reduce jams
- “Dust tight” enclosure
- Available with NFPA-compliant components for fire and explosion safety
- Discs not welded to shafts: can adjust spacing and swap discs
- Bolt-together construction
- Bolts directly to BE&E’s SMART Conveyors™

02

BETTER ENGINEERING

- Cogged belt drive
- No chains or pulleys
- Quiet operation
- Direct drive, shaft-mounted motor
- No lubrication required
- No tensioning required



Advanced Conveyors & Bulk Handling Systems

The SMART Conveyor™ Company

**BE
&E**

LOG HANDLING

SMART
DESIGNS

INTELLIGENT
SORTING

MULTIPLE
OPTIONS



01

SMART DESIGNS DECKS AND TROUGHS

- Easy-to-access bearings
- Modular, bolt-together sections
- Slots included for viewing tension
- Strands can be changed in less than an hour
- Individually driven strands reduce power requirements and decrease the size of shafts, bearings, and gearboxes
- Built to withstand years of abuse



02

INTELLIGENT SORTING

- 20' infeed deck with three or four strands
- Singulation with bull wheels (hardwood)
- Crosswise sorting (softwood)
- Three 10' bays (six sorts) for hardwood
- Ten 12' bays (ten sorts) for softwood
- Automatic length and diameter scanning (softwood)
- Waste conveyor under structure
- Walkways, stairs, and controls
- Three logs per minute sort rate for hardwood
- Eighteen logs per minute sort rate for softwood

03

MULTIPLE OPTIONS

- Automated grading
- Manual to fully automatic controls
- Metal detection with reject bin
- Hourglass conveyors
- Debarkers (rotary or rosserhead)
- Log conveyors (trough or hourglass)



Advanced Conveyors & Bulk Handling Systems

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**BE
&E**

BELT **CONVEYOR**

Belt conveyors from BE&E are the premier choice for a horizontal or low-angle conveyance system. Built without catch points, our belt conveyors will transport your bulk materials without snags that slow production. They're safe and make for easier clean up.

LESS MESS

Rollers only used in tail section, so dust collects in one spot

NO SNAGS

Seamless tray:
Sections welded together
and ground smooth

SAFE OPERATION

Powered by direct drive
No pulleys
No idler rollers



Advanced Conveyors & Bulk Handling Systems

The SMART Conveyor™ Company

**BE
&E**

PELLET PLANTS

BE&E offers complete service for turn-key pellet mills with outputs between 34,000-103,000 tons per year. Let us engineer, procure, and oversee the construction of a premium mill that will produce a consistent, value-added product.



01

ENGINEERING AND DESIGN

- Site civil engineering
- Electrical engineering
- Mechanical engineering
- Structural engineering
- Controls engineering
- Workload calculations

Drax pellet mill
Leola, Mississippi
Material Handling



02

INSTALLATION AND STARTUP

- Facility operations building
- Base rock and concrete for all machinery foundations
- Finished access roads and work area access pads
- Supply of all electrical components, controls, and machinery
- Electrical connections from the transformer
- Installation and startup for all the above

03

TECHNICAL SUPPORT

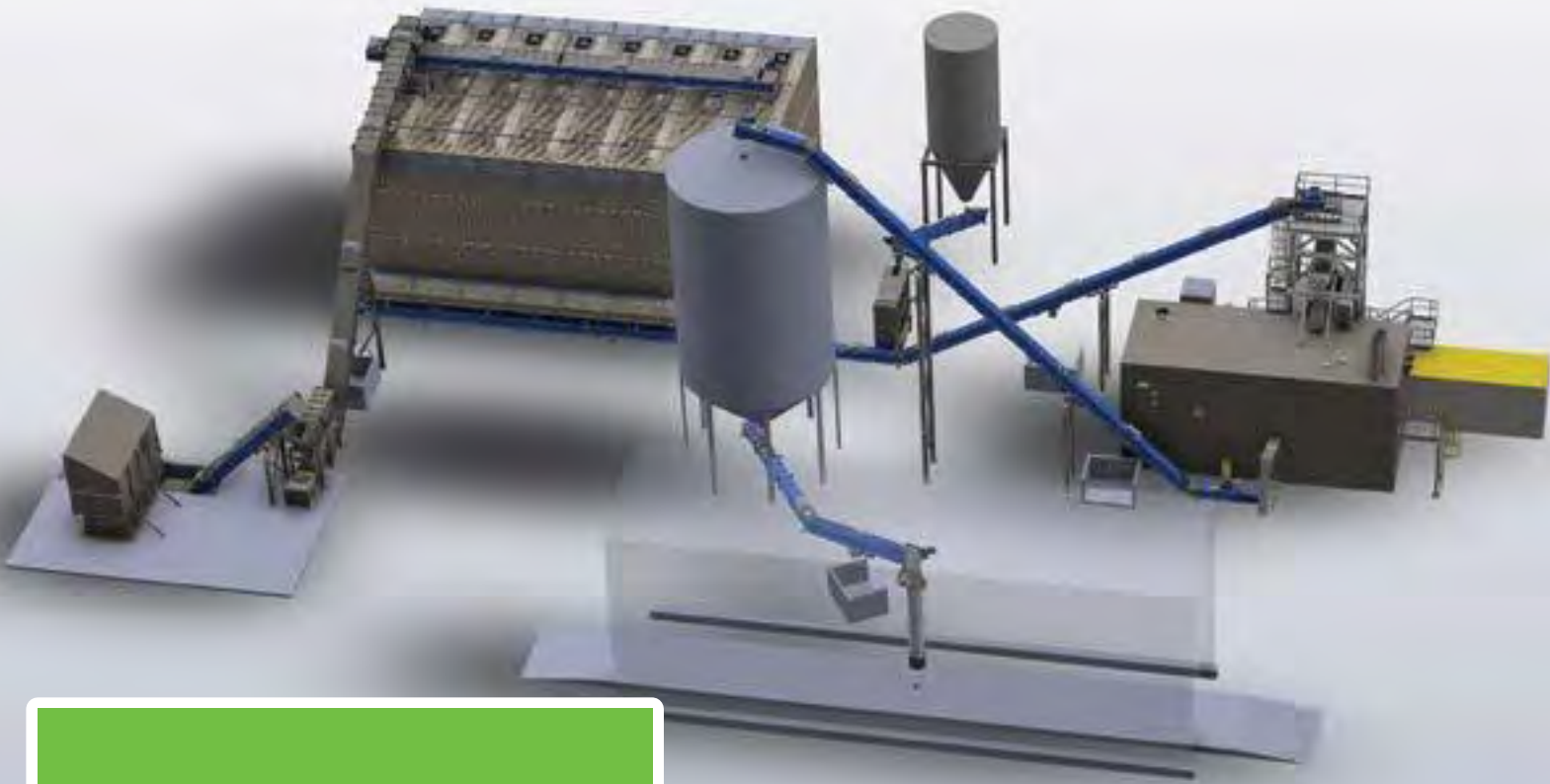
- Training on all supplied machinery
- CMMS maintenance program
- On-site technical support for the first month
- Quarterly technical visits for next year
- Assembly sections to save time during assembly



Advanced Conveyors & Bulk Handling Systems

The SMART Conveyor™ Company

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&E**



ADDITIONAL SERVICES

Far more than a machine manufacturer, BE&E offers 3D LIDAR scanning, modeling, layout design, construction management, and turn-key services for its customers. We design everything in 3D to precisely locate equipment and prevent misunderstandings that can occur with 2D modeling.

ACCURATE DESIGNS

Engineering completed in 3D

TURN-KEY SOLUTIONS

Pellet mills
Material handling
Chipping lines
Log infeed
And more!

EXPERIENCED CONSTRUCTION

Available
worldwide



VIBRAPRO™

SMART
DESIGNS

INTELLIGENT
SORTING

MULTIPLE
OPTIONS



01

SMART DESIGNS

- Width: Conveyors are manufactured in 6" increments up to 25'. Length: Manufactured to fit. Most efficient range is 80-100'.
- Tail to Drive: Sections offered in 20' length. Drive section 25' length. Drive to head custom.
- Conveyor leg spacing: Standard spacing 6'-8', Maximum leg spacing 10' max.
- Drive System: Belt driven motor to avoid VFDs



02

INTELLIGENT SORTING

- Maximum incline angle 5°
- Feed Rate: Maximum 60ft/min
- Standard Trough Height 12"
- Maximum spring load is 16,000lbs
- Finger Screen scalping section to bypass acceptable size material.

03

CONVEYOR OPTIONS

- Perforated PLT screen, finger screen, mesh screen, adjustable dropouts. - Any mesh size. Requires material depth <6". Easy clean.
- Partition wall separation and Diverter Gates:

Manual and air actuated.

- Chipper throat infeed trough
- Hood and lids
- Pan liners
- Slope chute support arms
- Support legs and framing: Horizontal and Angled
- Dewatering system



SPANNER CONVEYOR



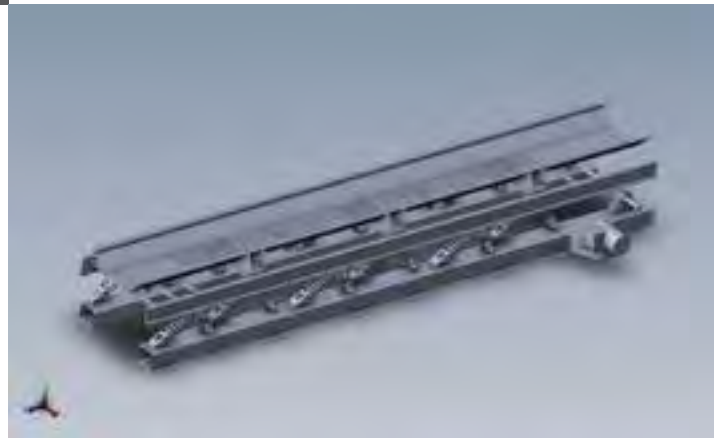
VIBRAPRO™

Vibratory Conveyors

04

MAGNET SYSTEM

- EZ clean magnets are a great option to eliminate confined entry spaces.
- Can be opened and cleaned from outside the conveyor, eliminating the need for a spotter and lock out tag out of overhead equipment that is contained within the parameters of slope chuting.
- Offer in fixed, wedge, and hanging magnets.



05

SCREENING

- The primary function of any screen is to separate particles of different sizes from one another. This is accomplished by passing mixed material over various screen surfaces so as to have the undersized particles pass through specifically sized apertures to another surface while retaining the oversized particles on the upper surface.
- Screen Types: Perforated PLT screen, finger screen, mesh screen, and adjustable dropouts.



06

GREASE MANIFOLD - PROXIMITY SWITCH

- **Grease Manifold** provides single contact point to grease all components whether or not conveyor is running or stationary. *Offered as Standard Equipment.*
- The **Proximity Switch** allows for connection with internal system to monitor conveyor movement. *Offered as Standard Equipment.*



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