

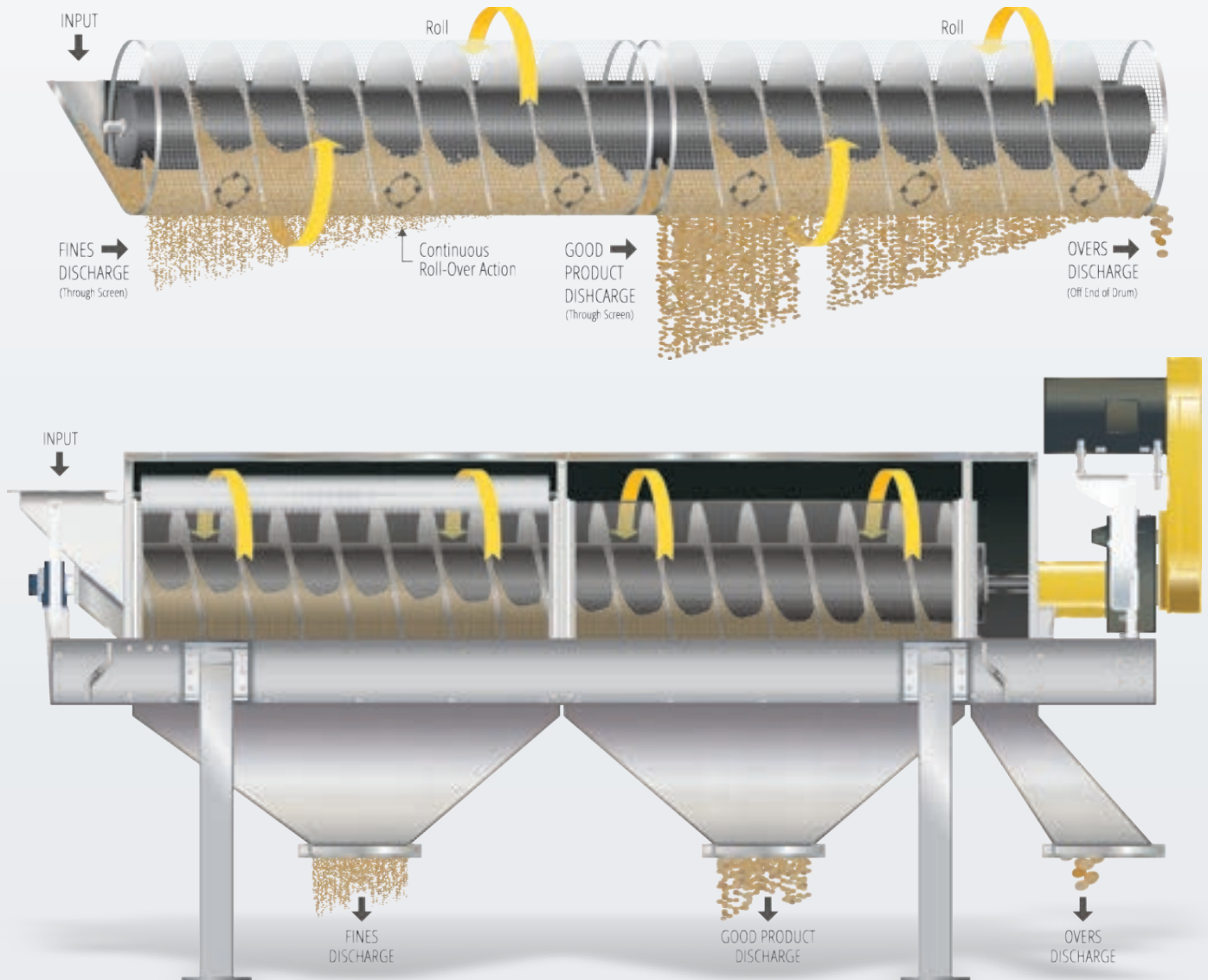
STRAIGHTFORWARD, SIMPLE SCREENING



Gentle Roll™

Drum Design

The Gentle Roll™ uses simple gravity and mild centrifugal force to screen product. The flights extend to the edge of the screen. The drum and screen rotate together as one assembly to prevent the drum from grinding the product. Screening efficiency is maximized at 25 sq ft of screening area per section.



Screen Configurations

The Gentle Roll™ offers a wide range of models and configurations. The flexibility of the design allows you to remove fines, overs, fines & overs, or separate by size. Screen configurations range from one to five screen sections and are determined by the end goal and application.

Common screen configurations include:

Fine Particle Removal:
1 - 3 Screens

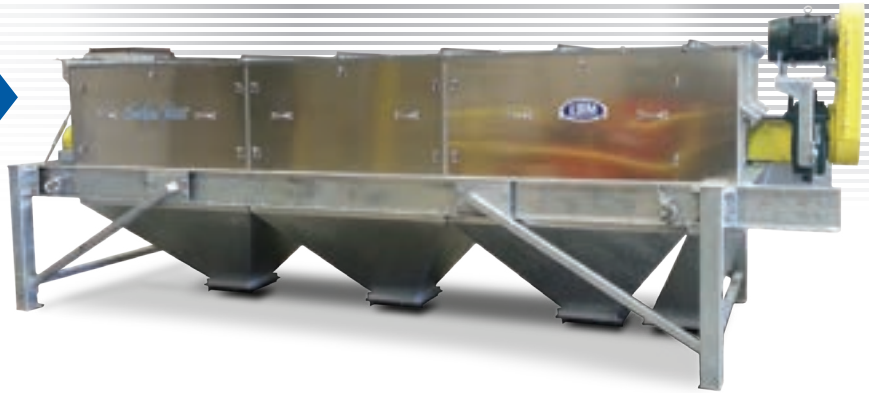
Scalping:
2 Screens

Fine Particle Removal and Scalping:
4 - 5 Screens (2 - 3 to remove fines and 2 to scalp)

Grade Sizing:
1 - 5 Screens depending upon the application and goal

Single Drum Three Screen

Removes fines
from feed pellets
and cubes at 15 TPH



Mobile Double Drum Four Screen

Sifts, scalps, and aspirates
corn, wheat, barley, and
sorghum at 3,000 BPH



Custom, Four Drum Nine Screen

Removes splits from yellow
peas, and fines and overs
from canola at 3,000 BPH



Six Drum Five Screen

Removes fines and
overs from corn at
9,000 BPH

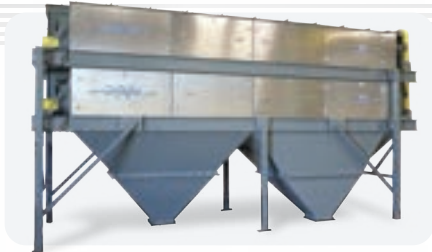
STRAIGHTFORWARD
SIMPLE

Gentle Roll™ Advantages

Non-Vibrating
Low Maintenance
Easy Screen Inspection
and Replacement

Fully Enclosed
Multiple Level Design
Gentle Product Handling
Excellent Dust Control

Wide Range of Capacities
Time-Proven Screening
Efficiency, Capacity and
Reliability



Gentle Roll™ Options & Accessories

Combined or Customized Discharges

Combined discharges - reduces spouting/conveying needs
Offset or customized hopper discharges for a better fit



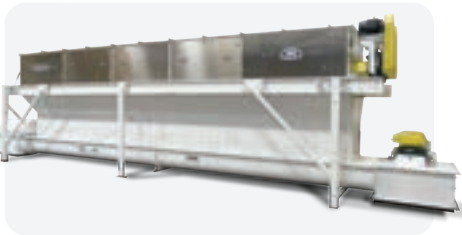
Rotary Brushes

Rotary Brushes counter rotate against the screen, to keep the screens from blinding.



Valve Gates

A two-way valve assembly, consisting of a valve under each screen and mounted under the Gentle Roll™ frame. Diverts product to the right or left of the opening, and is directly connected to either one EBM Sidewinder™ conveyor or two separate conveyors. Air operated or manual gates available.



Sidewinder™ Belt Conveyor

A belt drag conveyor that conveys product in two directions at the same time.

Used in conjunction with the valve assembly
Great for fragile products
Round or flat bottom

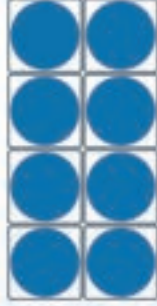
Flexible design
Reduces the number of discharges to (2)

ASPIRATOR

The aspirator is used to separate lightweight material similar in size to the product being screened, such as chaff, hulls, bees wings, and small stems to improve screening results. The EBM Aspirator can be installed as a traditional discharge hopper or as a stand-alone piece.



Gentle Roll™ Drum Configurations



DRUMS	1	2	4	6	8	10
Bu/Hr	1,500	3,000	6,000	9,000	12,000	15,000
Cu Ft/Hr	1,900	3,800	7,600	11,400	15,200	19,000
M³/Hr	53	106	212	318	424	530
Tons/Hr	43	86	171	256	324	428
Mtons/Hr	39	78	156	234	312	390

Based on dry, free-flowing product, with a bulk density of 45lbs/ft³ or 720 kg/m³ at 1900 cuft/hr per drum.

Capacity

The Gentle Roll™ is designed to handle a variety of capacities. Each drum is rated for a specific capacity based on material characteristics (i.e. 1900 cuft/hr for dry-free flowing product to 1300 cuft/hr or less for poorer flowing material). When the application requires a greater capacity, drums are stacked in pairs up to five levels for a total capacity of 19,000 cu ft/hr or 15,000 bph. The capability to stack drum units maintains screening efficiency at higher volumes.

Note: When using a multiple drum unit, each drum is powered individually allowing an operator to partially shutdown for maintenance to minimize downtime.



The Gentle Roll™ screener is known for its quality, efficiency, and reliability. Unlike other cleaners, the Gentle Roll™ uses a gentle rolling action to move the product through a non-vibrating, rotary drum assembly.

The demand for high-quality products continues to grow. In today's expanding markets, it is

essential to have the right equipment with first-rate capabilities in order to meet high-quality standards.

You can gain a competitive edge by making your product quality stand out. The time-proven reliability and quality of the Gentle Roll™ make it the perfect solution for all your screening needs.



STRAIGHTFORWARD,
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SCREENING



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