

Jeffrey Rader[®] RaderWave[™] Fines Screen

Removes the maximum amount of troublesome fines while saving valuable fiber.

Features/Advantages

A Technological Advance in Fines Removal

RaderWave[™] maximizes fines removal while preserving valuable fiber—even in fluctuating conditions. Its sinusoidal Flexi-Dek[™] action passes fines efficiently while advancing clean fiber, eliminating plugging with wet, sticky, or snow-laden chips.

The result is over 90% fines removal while preserving up to 90% of valuable fiber.

A Unique Operating Principle

The RaderWave[™] screen was forged through real-world experience and intensive R&D—driven by a uniquely effective operating design.

RaderWave[™] uses parallel shafts beneath a flexible perforated deck to generate a continuous wave motion. This vertical agitation lifts and separates chips, allowing fines to quickly pass through for a cleaner product, while acceptable fiber moves forward and discharges.

Extraordinary Levels of Fines Removal and Pin Chip Retention

Full-rate mill testing of the RaderWave[™] shows exceptional fines removal with strong pin chip retention—maintaining high efficiency even in harsh winter conditions.



While results vary by operation, mills can expect performance comparable to test data—and significantly better than conventional screening methods.

A Screen That Cleans Itself Keeps Your Operation Running Smoothly

The constant flexing action of the Flexi-Dek[™] screen prevents sticky buildup, while its wave motion dynamically opens and closes apertures to control near-size particles. Combined with high acceleration, it eliminates blinding—delivering reliable, self-cleaning performance even in the toughest conditions.

Designed for Ease of Installation, Reliable Operation and Low Maintenance

- A low-horsepower, variable-speed drive with motorized jacking enables real-time adjustment of wave frequency and screen inclination.
- A heavy-duty, high-torque cogged belt drive delivers reliable, oil-free performance.
- The Flexi-Dek[™] is a high-strength, noncorrosive material engineered for flexibility and long wear life.
- A Flexi-Dek[™] replacement takes two hours or less—minimizing downtime.
- Dust-tight construction provides for a clean work area.



Common Mill Problems...

Winter conditions are causing blinding and plugging on the gyratory screen deck.

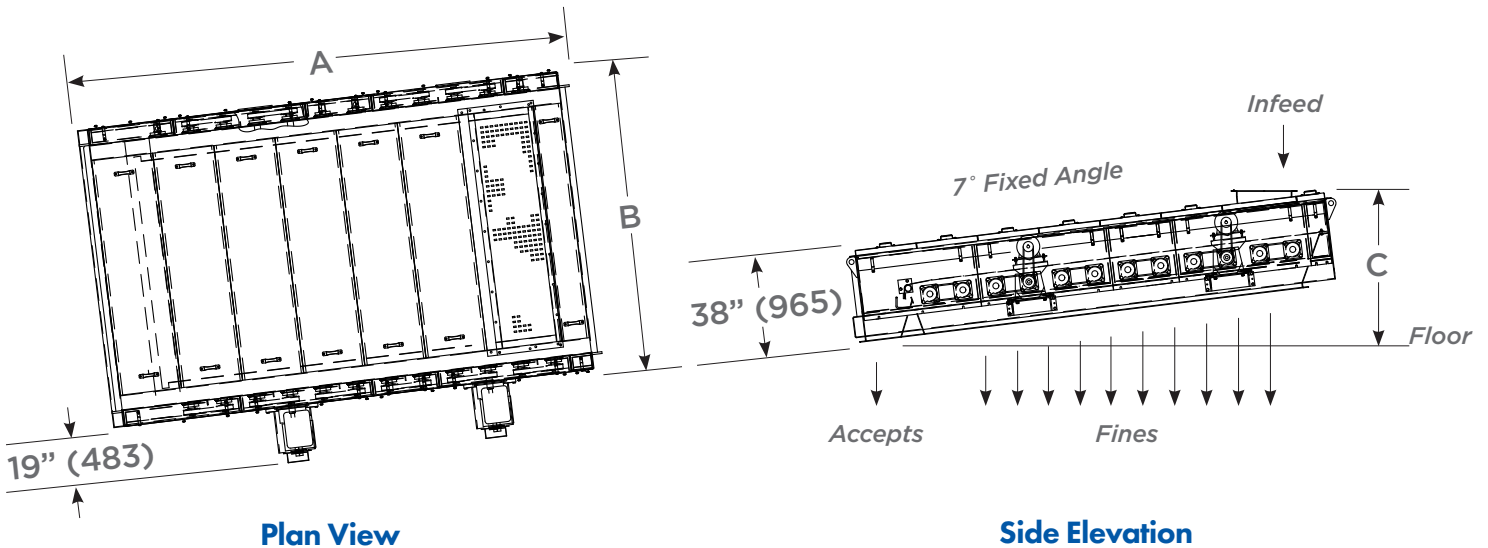
The mill is losing valuable fiber—its current fines removal system is rejecting usable pin and thin chips it needs to retain.

Jeffrey Rader® Solutions

When winter hits, conventional fines screens fail—wet, frozen chips clog and force mills to bypass screening altogether. The RaderWave™ Fines Screen keeps fines moving, delivering reliable performance when it matters most.

While some screens do a good job of fines removal, they often operate at the expense of fiber loss. Retaining pulpable fiber can pay big dividends, especially when a mill's wood costs are high. A RaderWave™ Fines Screen operates with a high degree of fines and grit removal efficiency with excellent good fiber retention.

Dimensions and Weights



RaderWave™ Fines Screen Approximate Specifications					Ft. In. (mm)
Roll	Motor	A	B	C	LBS (KG)
6 x 8	5 HP	12' 0" (3685)	8' 2" (2489)	5' 10" (1778)	10,000 (4,536)
8 x 12	2 – 7.5 HP	16' 3" (4953)	10' 2" (3099)	6' 5" (1956)	14,000 (6,350)
10 x 20	3 – 10 HP	24' 6" (7468)	12' 2" (3708)	7' 6" (2286)	18,000 (8,165)

* Certified drawings will be furnished for installation. Installation supervision is available.

Call +1 855-483-7721 or email customer.service@astecindustries.com to find the sales representative nearest you.