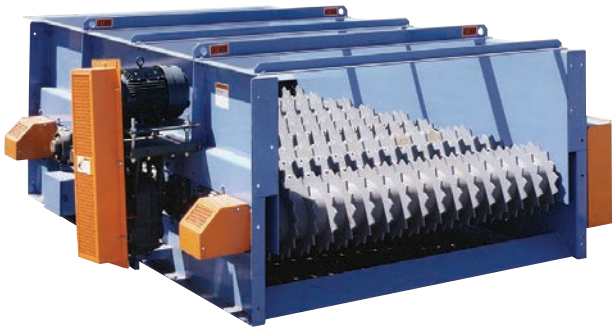
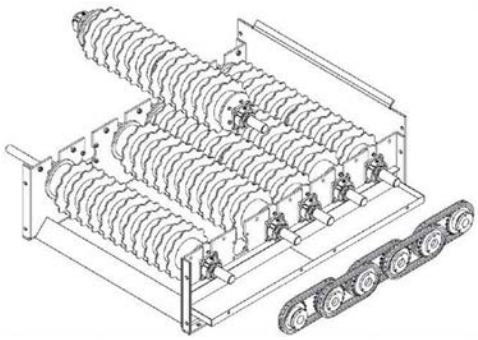
TERRASOURCE GLOBAL
HANDLING A WORLD OF MATERIALS

JEFFREY RADER

DISC SCREEN (RDS)

A Heavy-Duty Scalping Screen for a Variety of Materials Including Wood Chips, Hog Fuel, and Bark.





FEATURES/ADVANTAGES:

The Industry's #1 Scalping Screen

When it comes to removing oversized pieces from unscreened wood chips, hog fuel or bark, the Jeffrey Rader Disc Screen (RDS) is the undisputed Advantages Efficiency depends on separating the maximum workhorse of the industry. With more units in operation than all other suppliers combined, you can depend on Jeffrey Rader to recommend a model that's right for your particular operation.

Engineered and Manufactured to Your Specific Requirements

The Jeffrey Rader Disc Screen is never supplied "off-the-shelf." Based on the individual application, Jeffrey Rader engineers select the ideal disc profile, interface openings, and screen size for maximum screening efficiency.* Then, using only first quality materials and components, the screen is manufactured under strict specifications at our manufacturing facility.

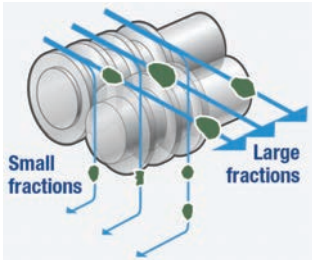
Designed for Long Service Life and Ease of Maintenance

Wood chip and fuel processing are typically a 24-hour-a-day operation. That's why you need a screen on which you can depend. The RDS is

engineered for rugged, nonstop service with only routine maintenance. When scheduled maintenance is required, all service points and components are easily accessible.

Advantages

Efficiency depends on separating the maximum amount of desirable materials from the incoming material. To do this, disc screens are used in many locations in the processing cycle.



The disc screens separate material particles by allowing the smaller fractions to drop through openings of controlled size. Unlike static screens, however, Jeffrey Rader disc screens continuously move the material across a series of rotating multi-toothed discs. Small particles are shaken loose, larger material is moved on.

The disc geometry and the opening between them can be set to screen out glass, grit, and ceramic material, aluminum and large fibrous material. The high efficiencies, compact design and minimal power requirements of the RDS are ideal for resource recovery.

** Materials samples can be sent to our test lab for proper screen optimization.*

WATCH ON YouTube

Check out the Jeffrey Rader Disc Screen in action!

FEATURES/ADVANTAGES (CONT.):

Complete Material Examination for High Efficiency

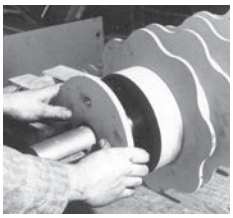
As material passes over the disc screen, it is churned and tossed by the discs. The smaller fraction is knocked loose rather than remaining trapped in the fibrous material. This vigorous jogging action removes the highest possible percentage of the desired or undesired fraction.

Self-Cleaning for Minimum Downtime, High Volume

Jeffrey Rader disc screen rotating discs continually clear out and move along oversize material. The interface openings remain clear and constant for accurate separation. There is rarely any need to halt material flow to clear the unit.

Because the discs “carry” the large fraction by conveying and bounding it along, throughput is much higher than with other screen systems.

Discrete Separation Through Variable Openings

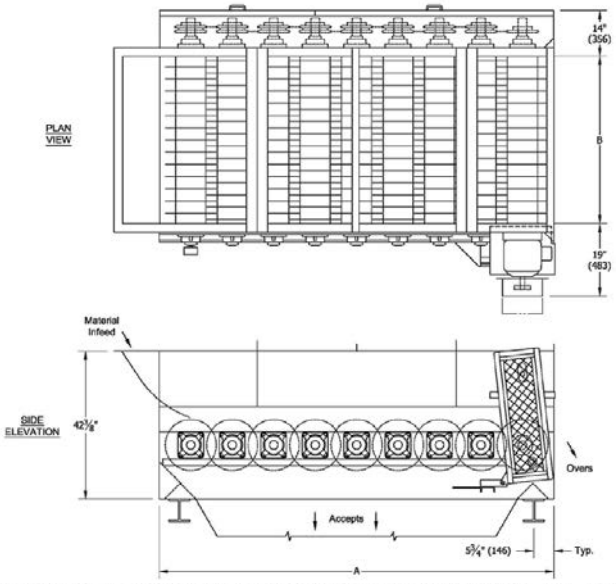


The disc screen can separate radically different material by selecting the proper disc profile and interface spacing. Glass, grit and ceramic, metals and oversize fiber can be selected separately by using different configurations. Another important disc screen design feature is that discs and spacers are removable and can be changed in the field. By installing different length spacers, the action of a disc screen unit can be modified on site.

Reconfigures with Ease in the Field

RDS shafts are not a welded design, but a modular design which allows for easy configuration in the f ield. The ability to easily make field modifications offers advantages over welded shaft designs.

DIMENSIONS AND WEIGHTS



APPROXIMATE LAYOUT DIMENSIONS* AND SHIPPING WEIGHTS IN. (MM)

SIZE	NO. OF SHAFTS	A** (MIN.)	A** (MAX.)	B	LBS (KG) ***
25	5 – 12	65-1/2" (1664)	148-5/8" (3775)	30" (762)	4,000 to 9,000 (1,814 to 4,082)
40	5 – 12	65-1/2" (1664)	148-5/8" (3775)	48" (1219)	5,000 to 11,500 (2,268 to 5,216)
55	6 – 15	77-3/8" (1965)	184-1/4" (4680)	66" (1676)	7,300 to 18,200 (3,311 to 8,255)

* Certified drawings will be furnished for installation. Installation supervision is available.
** Dimension based on number of shafts. HP ranges from 3 to 7.5.
*** Weight dependent on number of shafts and other variables.