

Disc Screen

A heavy-duty scalping screen for woodchips, hog fuel and bark.

Let Jeffrey Rader recommend a disc screen that's right for your particular application.

The industry's number one 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 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, 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 the manufacturing facility in Woodruff, South Carolina.

Designed for long service life and ease of maintenance

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

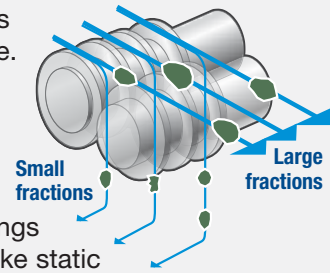
The RDS is engineered for rugged, non-stop service with only routine maintenance. When scheduled maintenance is required, all service points and components are easily accessible.

Advantages of the Jeffrey Rader Disc Screen

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

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

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



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 fibrous material. This vigorous jogging action removes the highest possible percentage of the desired or undesired fraction.

Self cleaning for minimum downtime, high volume

The 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 bouncing it along, throughput is much higher than with other screen systems.



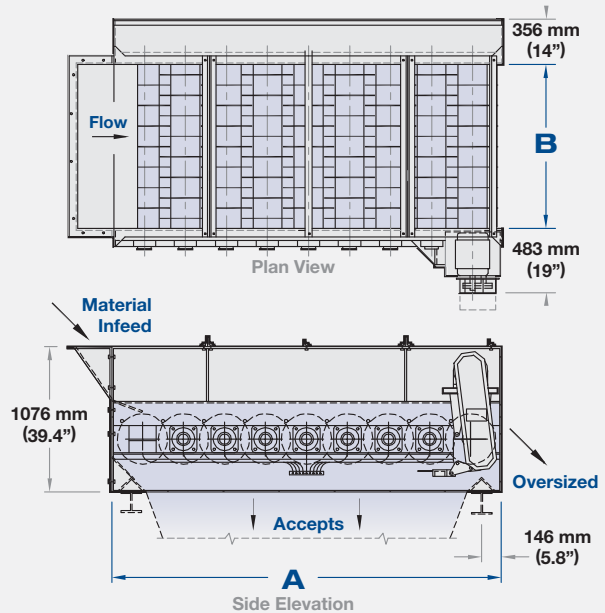
Discrete separation through variable openings

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 field. The ability to easily make field modifications increases efficiency.



Size	No. of Shafts	Dimensions mm (inches)		
		A* Min.	A* Max.	B
25	5-12	1,664 (65.5)	3,775 (148.6)	762 (30)
40	5-12	1,664 (65.5)	3,775 (148.6)	1,219 (48)
55	6-15	1,965 (77.4)	4,680 (184.3)	1,676 (66)

* Dimension based on number of shafts.
HP ranges from 3 to 7.5.



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