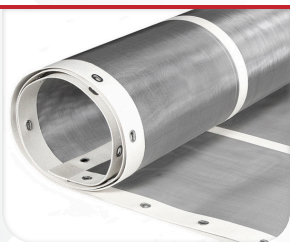


Frac Sand Screens

Mining Application Bulletin



Gerard Daniel makes screens for the vibratory equipment used by frac sand producers.



Our sand screens are woven from 316 Stainless Steel and edged with 2" canvas.



We leverage our mesh expertise to increase screen productivity while reducing costs.

Gerard Daniel has been making screens for frac sand producers for over 20 years. Delivering high throughput with accurate and precise separations, our screens are constructed to retrofit the most common vibratory screeners in the industry.

Screen Assemblies Built for Durability

Screens are woven from 316 Stainless Steel. A metal strip is attached to one edge of the screen and 2" natural canvas trim is attached on the other three sides. Nomex®-coated canvas is available for high temperature applications. We can increase heat resistance and keep costs low by using Nomex on the top and natural canvas on the bottom.

Screen Specifications

Screens are typically square/plain mesh, although other mesh types are available, depending on production efficiency requirements.

- Common screen sizes: 48"W x 89 7/8"L and 55 1/2"W x 146 1/2"L
- Other screen sizes available to fit any equipment brand
- Typical mesh weave sizes: 30/50, 40/70 (most popular), 70/100 µm
- Custom mesh sizes designed to increase efficiency and reduce waste

Advantages of Gerard Daniel Screens

- **Mesh Expertise** We have been weaving mesh for over 70 years and use our deep expertise to select a grade suitable for our customers' applications – tweaking the grade, micron size or wire diameter to meet the specification as necessary. Gerard Daniel screens are known for their performance and durability under the harshest conditions.
- **Wear-Resistant Design** Most vibratory screening machines have 5 to 7 screen decks to classify sand into different sizes for various applications. Below each screen deck is a ball deck to reduce blinding of the screen. For that reason, our screens feature center canvas strips to protect them from wear due to metal-to-mesh contact and to extend service life.
- **Increased Screen Life** When a machine is taken offline for screen replacement, all the screens will be replaced at the same time. We can extend your screen life by optionally adding a stronger mesh section made from mill grade wire to the leading edge to resist abrasion from material discharge onto the deck. This increases the time between replacements and reduces the overall cost of operation.
- **Custom Screens** Gerard Daniel can engineer screens to match your specific profile. Customized screens, available in any weave, size or material, will improve efficiency and reduce waste.

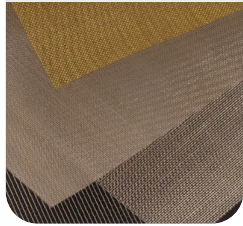
Outstanding Customer Service

Gerard Daniel screens are competitive on price and ready for fast delivery. We offer a CRS (Customer Replenishment System) to keep screens in stock for customers so they never have to worry about availability. Screens are on the shelf, ready when you need them, and available for immediate shipment – reducing the risk of operational downtime.

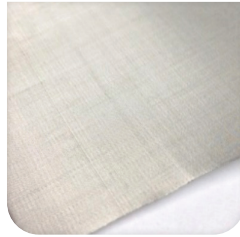
Increase your productivity and lower your production costs by consulting with the screening experts at Gerard Daniel.

Gerard Daniel provides single-source responsibility for your custom screen projects.

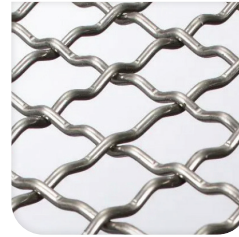
We're a primary screen wire cloth manufacturer.



Square/Plain Weave

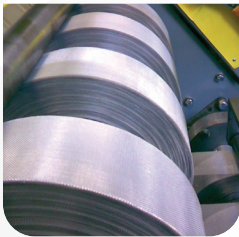


Micronic Mesh

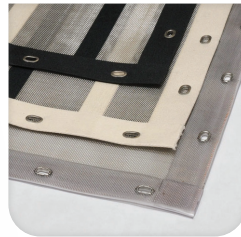


Crimped Wire Mesh

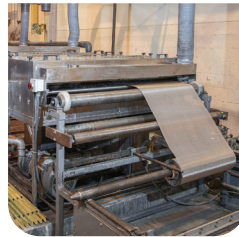
We have complete production capabilities for customization.



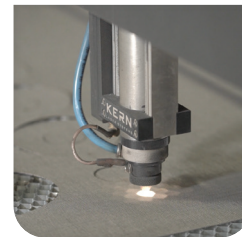
Slitting & Shearing



Edging



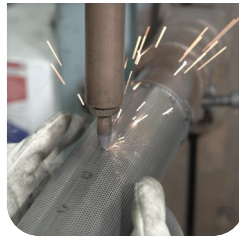
Coatings & Finishes



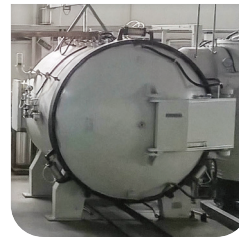
Laser Cutting



Calendaring



Welding (TIG, MIG,
Resistance, Laser)



Heat Treating

Gerard Daniel eliminates supply chain headaches.

- Extensive Ready-To-Ship Product Inventory
- Customer Inventory Management
- Continuous Replenishment Services (CRS)
- Testing & Quality Control
- Airflow & Resistance Testing (Acoustics, RAYL Value)
- Custom Packaging Solutions

Contact a Gerard Daniel customer service associate to work with you on your next project.