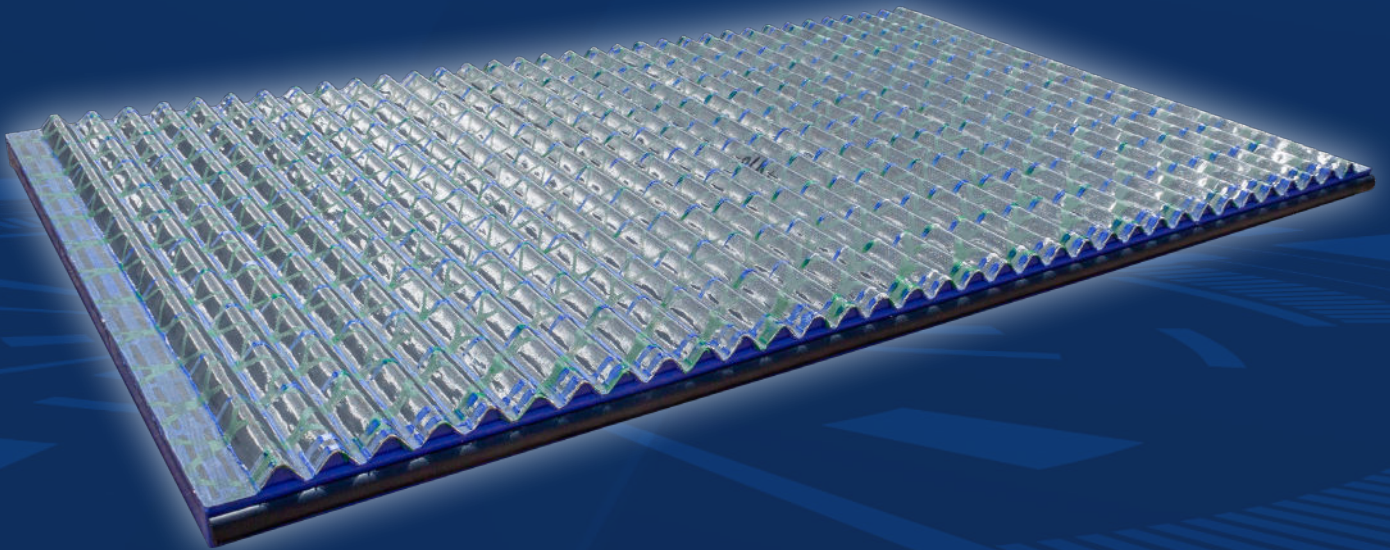




# BlueWave™ Composite Shaker Screens



Natural Resource Recycling • Product Classification • Dewatering • Fluid Recovery  
Waste Management • Material Handling • Liquid/Solid Separation • Crushers • Feeders

**TERRASOURCE**  
GLOBAL  
OUR FLAGSHIP BRANDS

**GUNDLACH** CRUSHERS   **JEFFREY** GRADER   **Pennsylvania** Crusher  **ELGIN**

Shale shakers are the backbone for solids control systems. Company's in oil & gas, trenchless, microtunnelling, geothermal, foundation, construction, and water well industries utilize shakers to manage waste solids, to recover drilling fluid or water, increase productivity and reduced disposal costs. In all cases, the quality of the screen dictates the overall performance of the shaker.

Elgin's screens are API compliant and tested by third-party agencies to meet the stringent requirements of API 13C RP.

**Sophisticated Simplicity** - Elgin's BlueWave™ composite screens provide improved quality and performance utilizing simple wedge-block fastening systems.

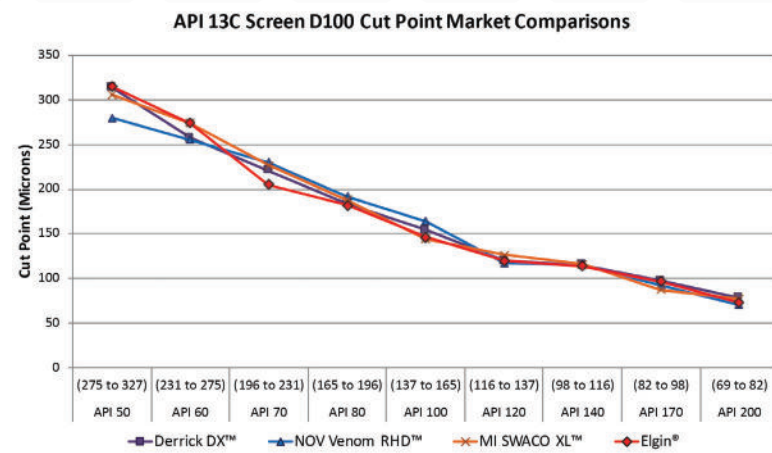


Figure 1: Competitor Cut Point Comparison\*

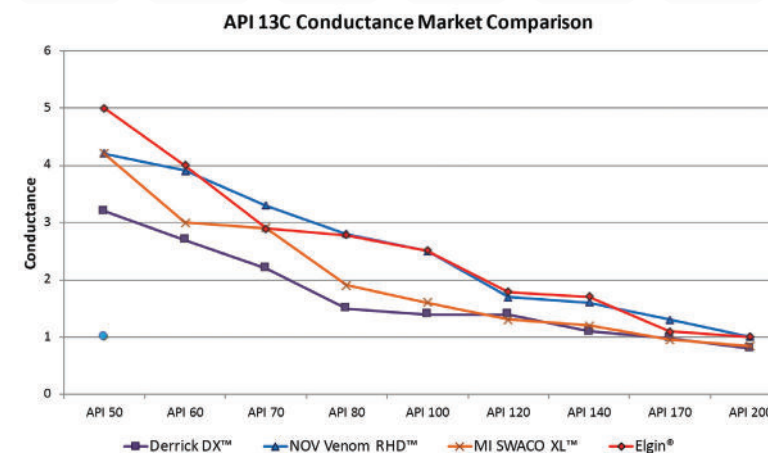
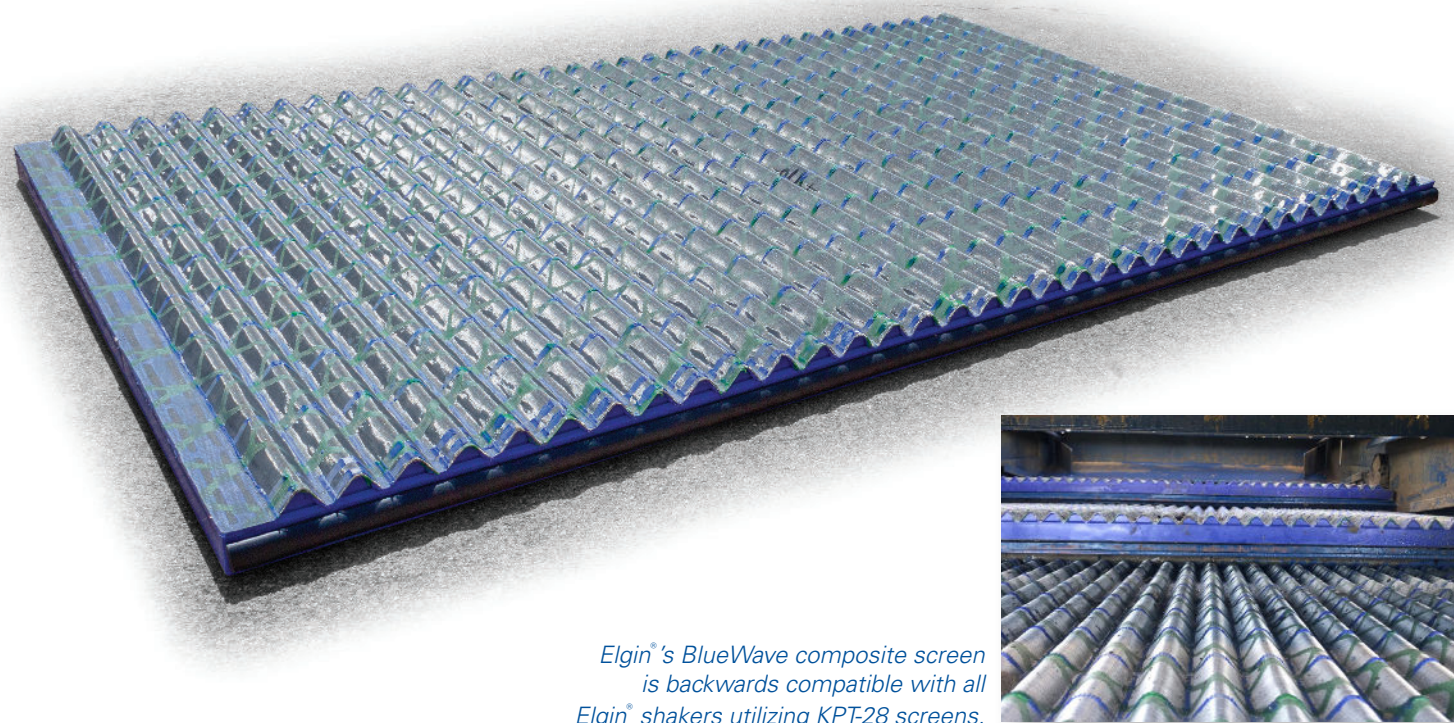


Figure 2: Competitor Conductance Comparison\*

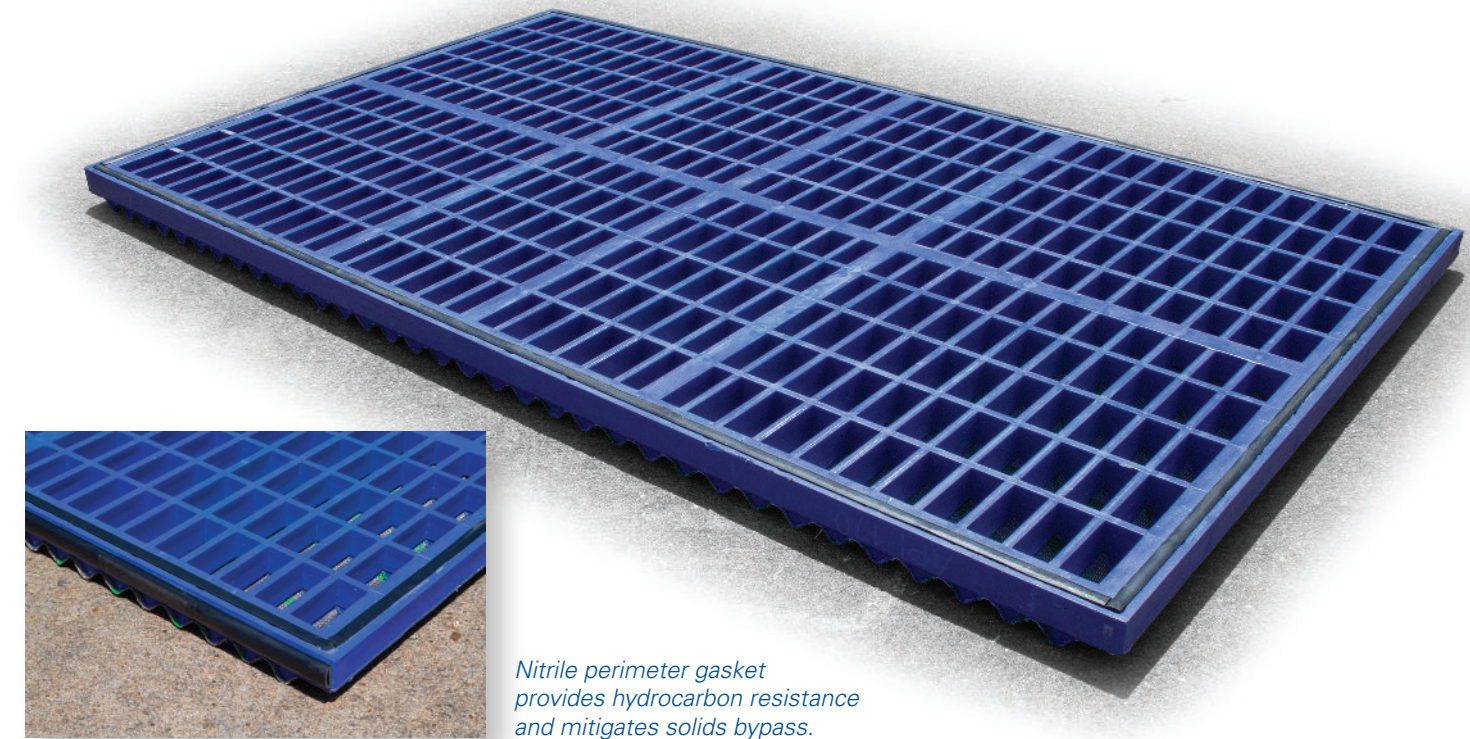
By focusing on each customer's unique problems, Elgin® has become more than an original equipment manufacturer, we have become a trusted solutions provider. With locations and distributors worldwide, we are proud to offer durable value, now. Our pride is truly expressed in our work through our craftsmanship, research, design and the overall practicality of our products.

Let Elgin® be your complete turn-key solutions provider for liquid/solid separation, dewatering and waste management operations.

**BlueWave™ composite screens optimize solids control efficiency to reduce costs and waste volumes, regardless of the targeted formations and drilling applications.**



Elgin's BlueWave composite screen is backwards compatible with all Elgin shakers utilizing KPT-28 screens.



Nitrile perimeter gasket provides hydrocarbon resistance and mitigates solids bypass.

**Performance** – Elgin's newest pre-tensioned, BlueWave™ composite screen provides for 47% more surface area than a standard flat-panel pre-tensioned screen. This additional surface area directly translates into a higher hydraulic capacity. This means that higher flow rates with more viscous drilling fluids can be managed.

**Quality** – Composite screens inherently have a higher quality control. There is no chance for discontinuities and/or variations in the quality. There is no chance for human error in the welding, powder-coating, and/or grinding process. This ensures consistent quality with each screen used.

**Resists Premature Delamination** – Metal framed screens are made from components that are laminated together by powder-coat paint. This bond is based on the consistency of the powder-coat, how well the metal frame was cleaned, and how well the heat press temperatures were controlled. Composite screens are not laminated. As such, there is no ability for the perforated plate or the wire mesh to prematurely separate from the frame.

**Composite Polyurethane Technology** – traditional screens are constructed using a rigid steel frame and perforated plate; in which layers of woven wire cloth are bonded with powder-coating. New manufacturing technology has advanced shaker screen construction using composite material with steel reinforcement. These changes increase strength, longevity, and performance.

**Storage Life** – The storage life of a metal framed screen presents a number of complications. Shipping of the screens, or mishandling of them, can cause the screens to warp. The base metal, despite the application of powdercoat, can result in corrosion. This is not the case when managing Composite screens. Composite screens frames do not dent or warp from mishandling. They also have no exposed metal, so there is no means for frame corrosion.

**Improved Handling** – Composite screens have less sharp edges that can cut operators when handled. Molded products provide for a cleaner edge and minimize the number of sharp burrs and edges.

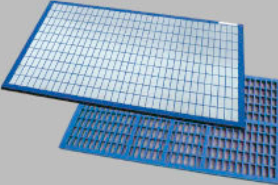
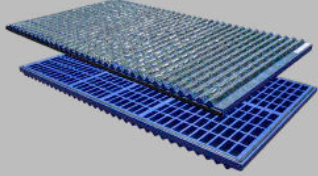


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## Elgin Separation Solutions OEM Composite Screens

API Rating	API 13C D100 Cut Point (Microns)	API 13C Conductance (kd/mm)	Elgin® Flat Panel (49.25" x 28.25") 	Elgin® Wave-Profile (49.25" x 28.25") 
10	1900	40	KPT28-COM-API-10	KPT28-COM-API-10W
20	870	17	KPT28-COM-API-20	KPT28-COM-API-20W
35	491	9.2	KPT28-COM-API-35	KPT28-COM-API-35W
40	450	6.0	KPT28-COM-API-40	KPT28-COM-API-40W
50	315	5.0	KPT28-COM-API-50	KPT28-COM-API-50W
60	275	4.0	KPT28-COM-API-60	KPT28-COM-API-60W
70	205	2.9	KPT28-COM-API-70	KPT28-COM-API-70W
80	182	2.8	KPT28-COM-API-80	KPT28-COM-API-80W
100	146	2.5	KPT28-COM-API-100	KPT28-COM-API-100W
120	120	1.8	KPT28-COM-API-120	KPT28-COM-API-120W
140	114	1.7	KPT28-COM-API-140	KPT28-COM-API-140W
170	97	1.1	KPT28-COM-API-170	KPT28-COM-API-170W
200	73	1.0	KPT28-COM-API-200	KPT28-COM-API-200W
230	62	0.7	KPT28-COM-API-230	KPT28-COM-API-230W
270	56	0.6	KPT28-COM-API-270	KPT28-COM-API-270W
325	43	0.5	KPT28-COM-API-325	KPT28-COM-API-325W