



TEMA ISENMANN

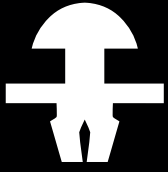
THE YELLOW STANDARD

SOLUTIONS FOR ALL YOUR SCREENING AND WEAR NEEDS

CONTENTS

Open-Cast Polyurethane Screens	04
Injection Molded Polyurethane Panels	10
WS 2.10	11
Additional Screen Panel Lines	16
Mining Equipment	20
Accessories & Fasteners	23





THE YELLOW STANDARD

QUALITY ASSURED



AMERICAN-MADE POLYURETHANE SCREENING SOLUTIONS

ABOUT US

For more than 40 years, Tema Isenmann has delivered high-performance, U.S.-made polyurethane screening systems for the mining, aggregate, recycling, concrete, and industrial sectors. Our mission is simple: **engineer durable, efficient, and reliable solutions** that keep operations running stronger and longer.

Through precision design and ongoing innovation, we help **reduce downtime, extend wear life, and boost productivity**. Backed by global R&D and trusted industry partnerships, Tema Isenmann continues to set the benchmark—refining processes, protecting assets, and powering the industries that move the world.

A PROVEN PARTNER

Every solution we produce is engineered with purpose. From open-cast polyurethane to patented magnetic wear systems, our products are built to perform in the toughest environments—resisting abrasion, corrosion, and premature wear.

Our engineering and service teams work side-by-side with customers to design systems that achieve the following:

- Simplify maintenance needs
- Lower costs
- Consistently deliver reliable results

That commitment to quality, performance, and partnership has earned us the trust of operators and engineers across North America.

Because when performance is engineered with integrity, excellence isn't just achieved—it's guaranteed.

TEMA ISENMANN SETS THE STANDARD.



OPEN-CAST POLYURETHANE

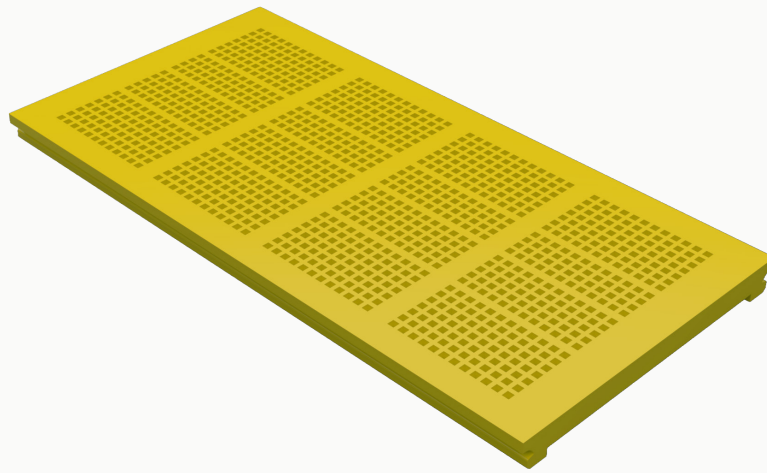


LEARN MORE

OPEN-CAST POLYURETHANE

Open-cast panels are produced in a range of durometers from 60 Shore A to 88 to match the application. The hot open-cast process provides a long slow cure and post-cure that enhances the cross-linking of the polyurethane molecules. The result is a greater range of advanced physical properties which results in better wear and overall life performance as well as a significant cost savings.

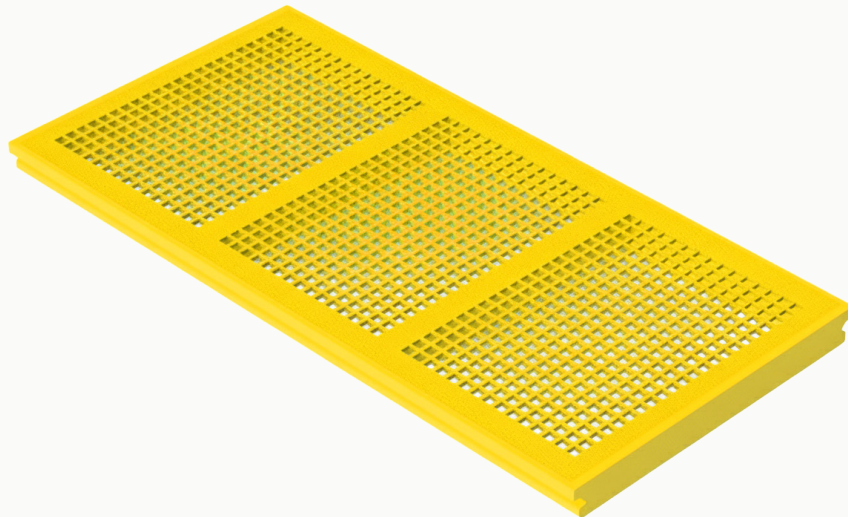




WS 85™ MODULAR SCREEN

WS 85 panels are premium mine-duty urethane, built for any screening application and proven for unmatched durability and performance.

- Standard for 1' x 4' and 1' x 2' modular panel systems
- Openings from 0.2mm to 8"
- 30–100mm thick panels can include dams/diverters



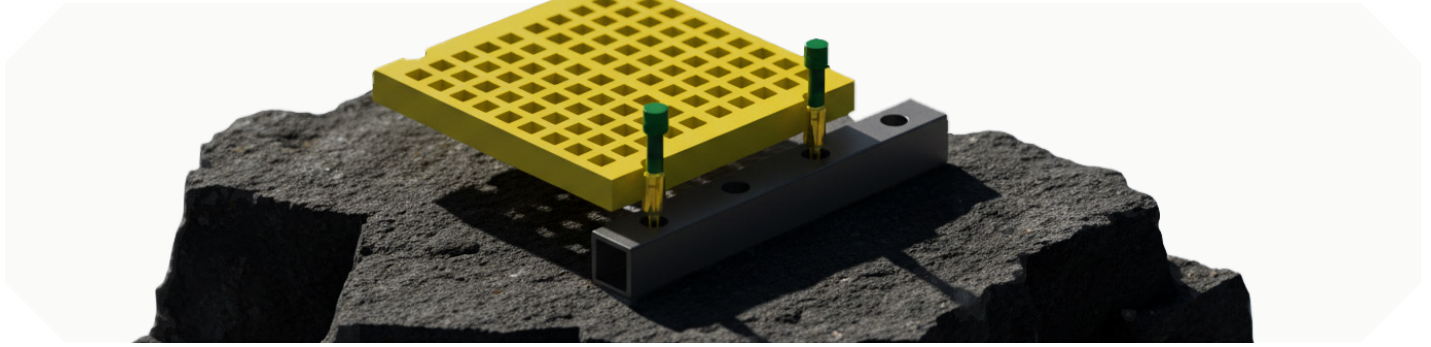
FLEX-A-THON™

Flex-A-Thon™ screens use a thin, durable urethane membrane engineered for high flexibility, resilience, and the highest open area in synthetic screens.

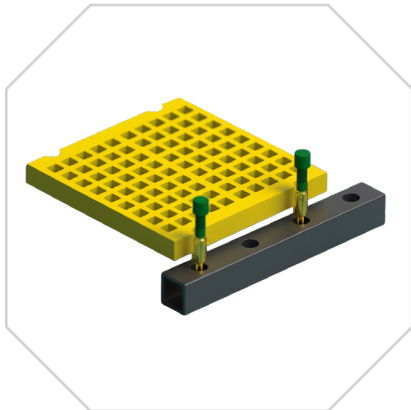
- Prevents blinding in fine dry screening

AVAILABLE IN THE FOLLOWING FASTENERS:

- WS 85
- H-Pin & Sleeve
- WS 2:10

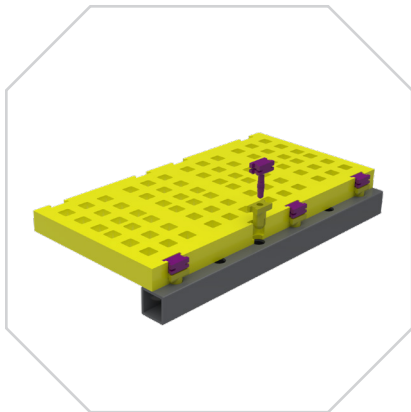


MODULAR PINNING



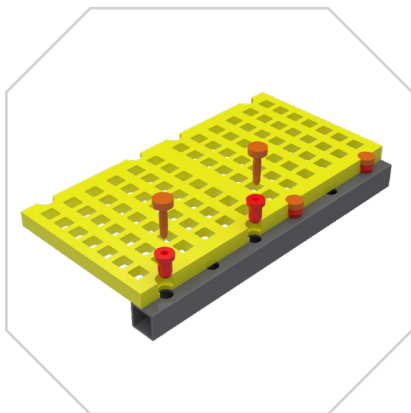
KOMBIDECK

This Hi-Flow system is designed for increased open area by reducing the pin and margin profile.



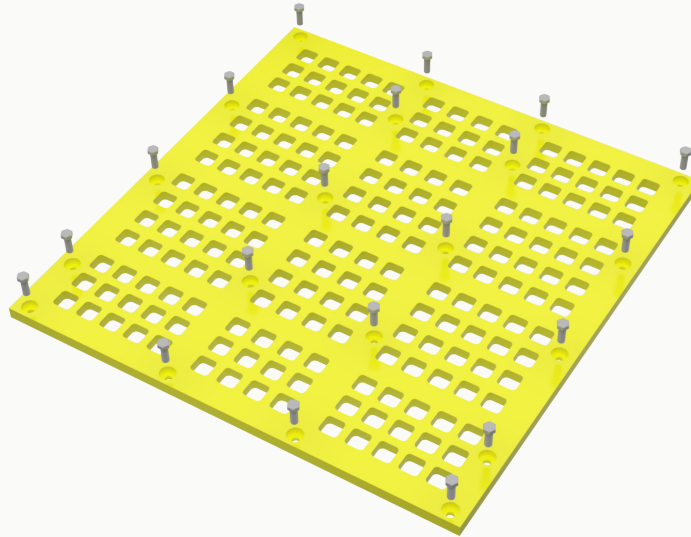
H-PIN & SLEEVES

H-Pin and Sleeve Systems lock adjacent panels together, resulting in superior hold-down forces.



ROUND PIN & SLEEVES

Suitable for standard and heavy duty modular panels.

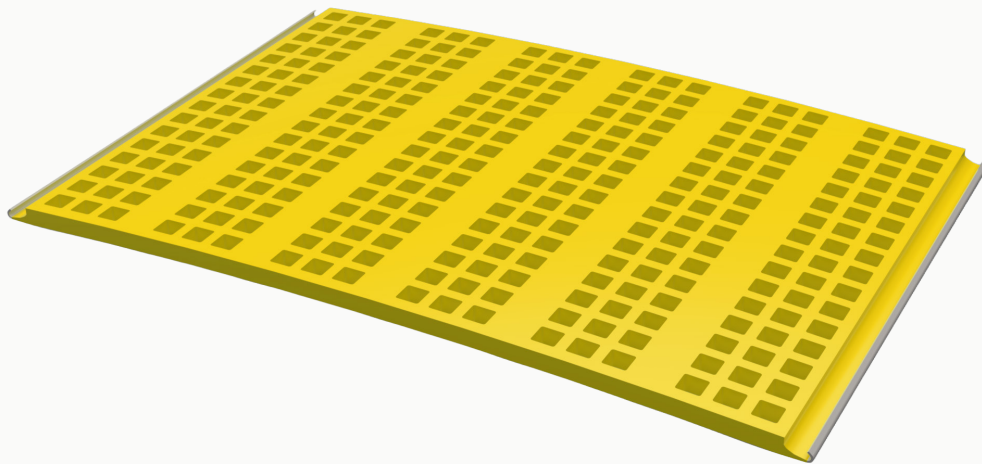


BOLTDOWN

Boltdown panels are custom-designed with steel-backed reinforcement for high impact resistance and offered in urethane options from soft to high-durometer for fine, wet applications.

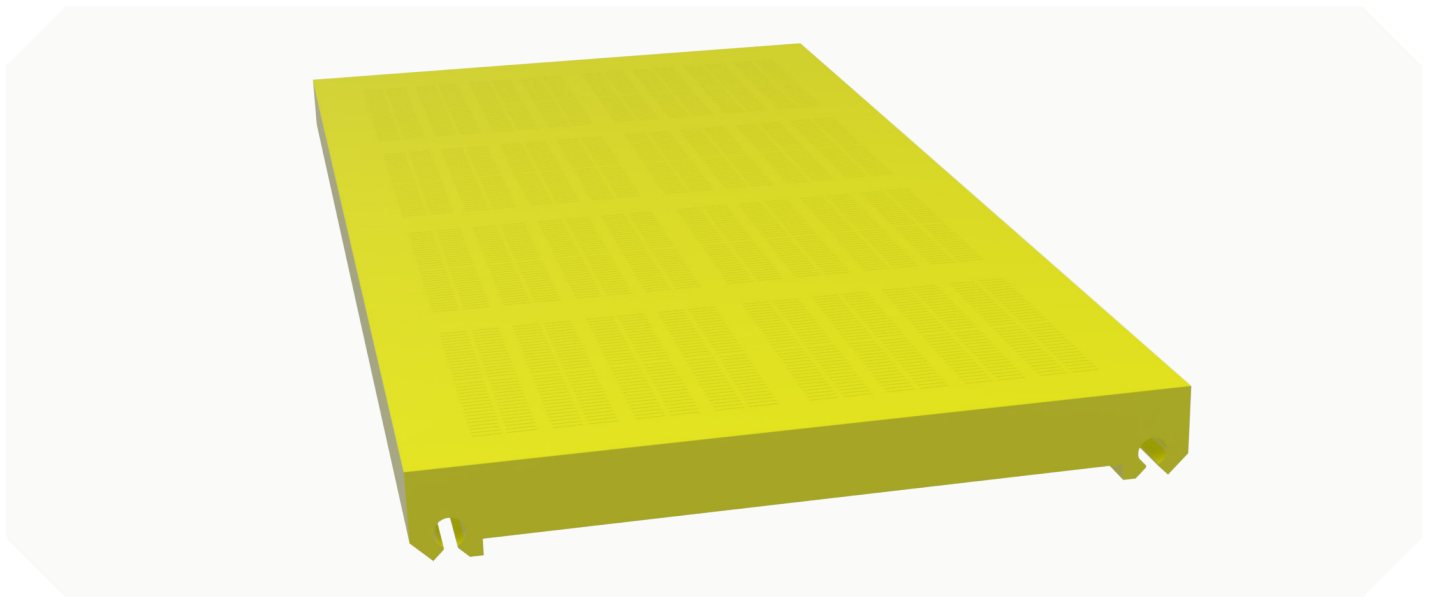
ADDITIONAL FASTENING CONFIGURATIONS

- Kupper
- P3
- Isesnap
- Iserail



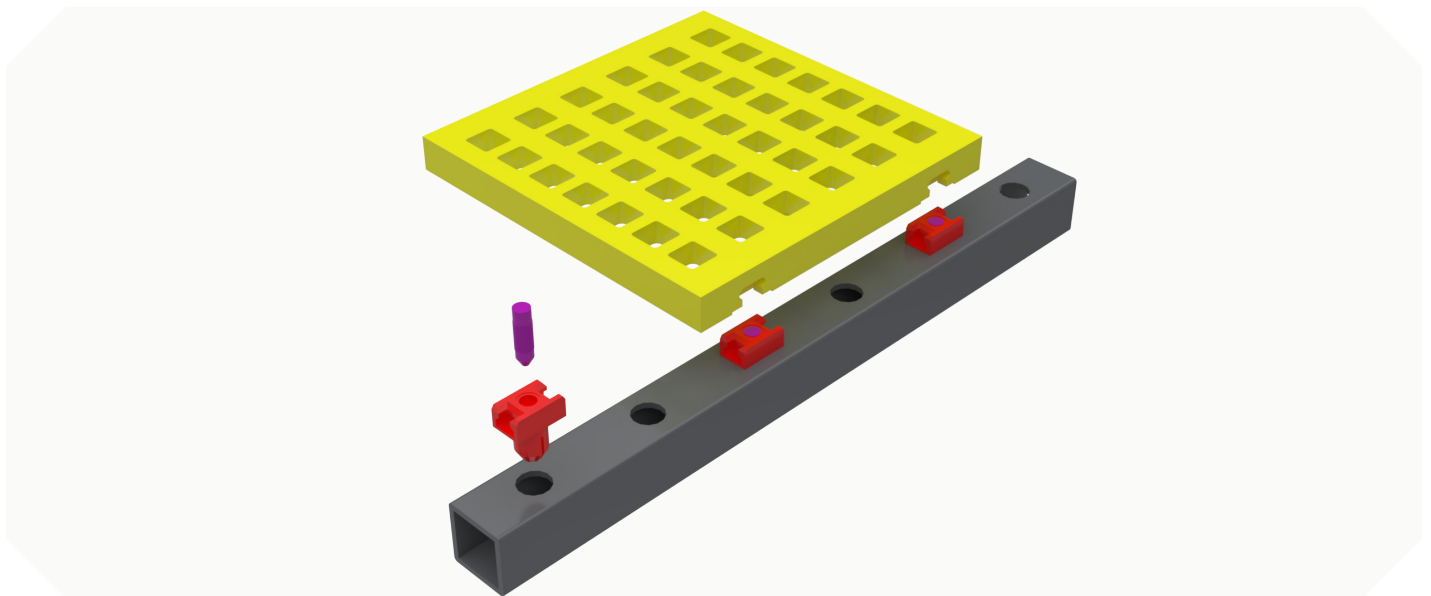
TENSION

- Materials are available to optimize wear life
- Direct replacement for single and double crown side tension configurations
- Tension screens are cable-reinforced and custom-made to fit any crown deck
- End tension designs are also available



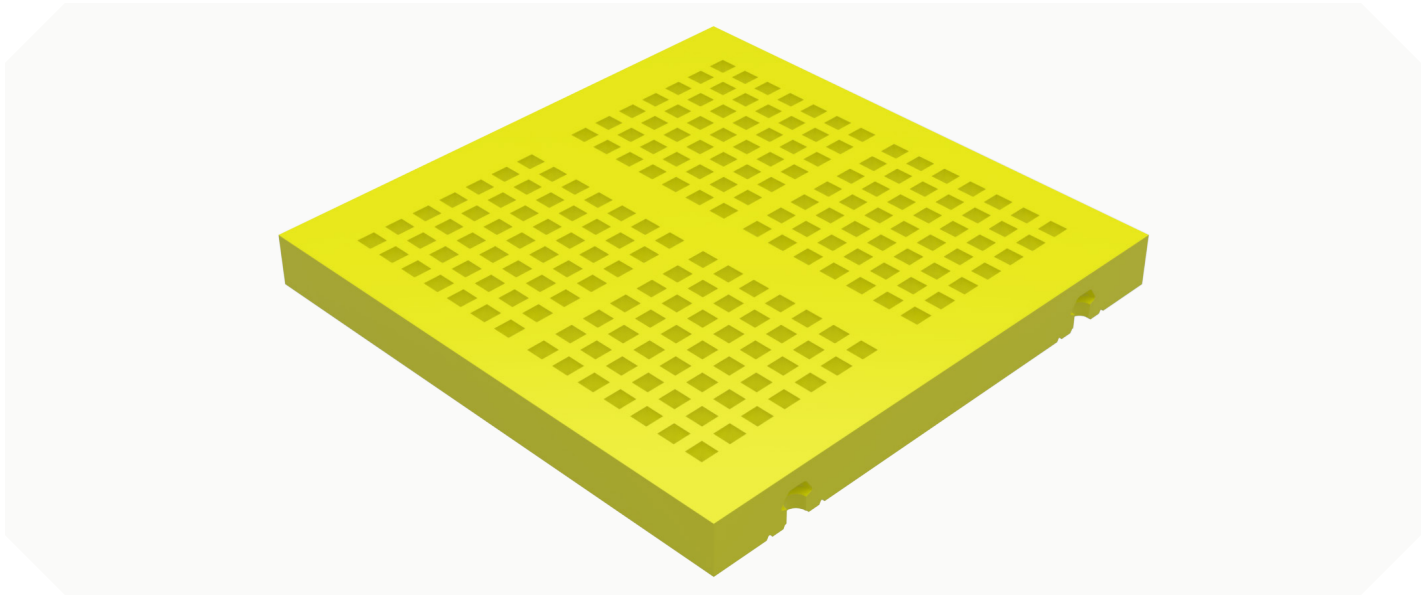
KUPPER

Kupper panels lock in a continuous U-channel rail system which utilizes a pinless locking mechanism. This design ensures panels stay seated under operational loads and enables quick and easy change-outs for maintenance efficiency.



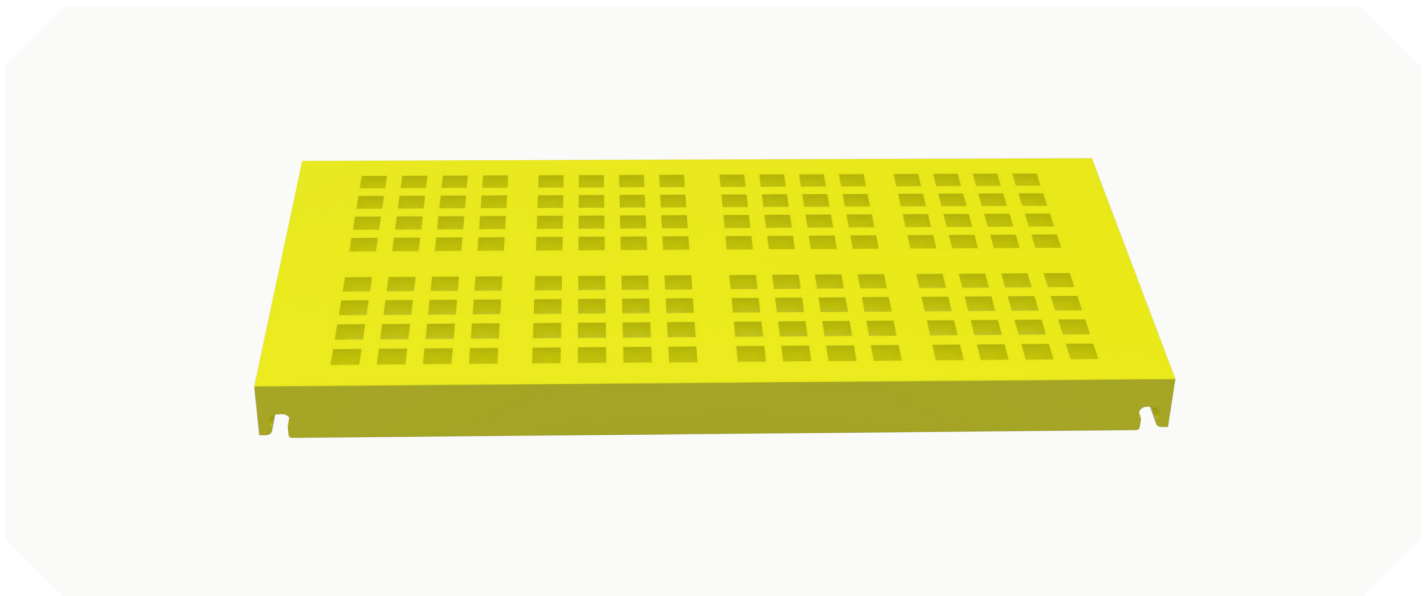
P3

The P3 pinless fastening system simplifies panel maintenance operations. Only the panel and compatible Saddle Top are required to fasten the screen panel to the deck. Fewer steps ensure more efficient maintenance and improved operator safety. The P3 system has been designed to have minimal installation and removal forces, yet maximum panel fastening forces to keep the panels in place.



ISESNAP

IseSnap panels fasten to deck-mounted ferrules for a tight and protected fit. These panels are designed with the application in mind and utilize larger ferrules in heavier operating loads to ensure maximum hold down strength.



ISERAIL

The Iserail fastening system mounts to a continuous rail, creating a stable base for modular screen panels with excellent holding power and durability. The panel design lends itself to reduced install time, simplifying panel change-outs, resulting in minimal plant downtime.



INJECTION MOLDED POLYURETHANE

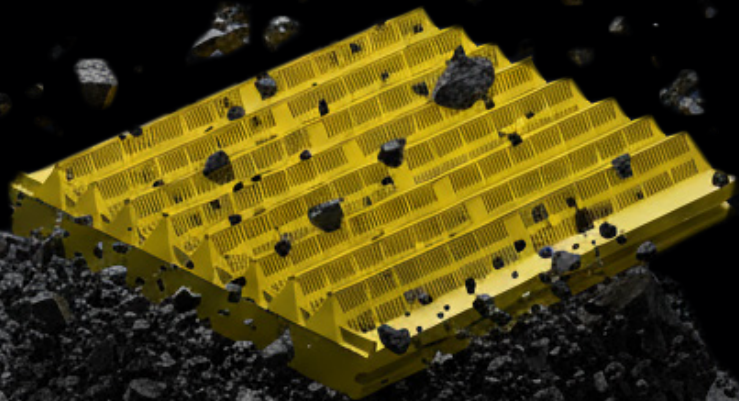


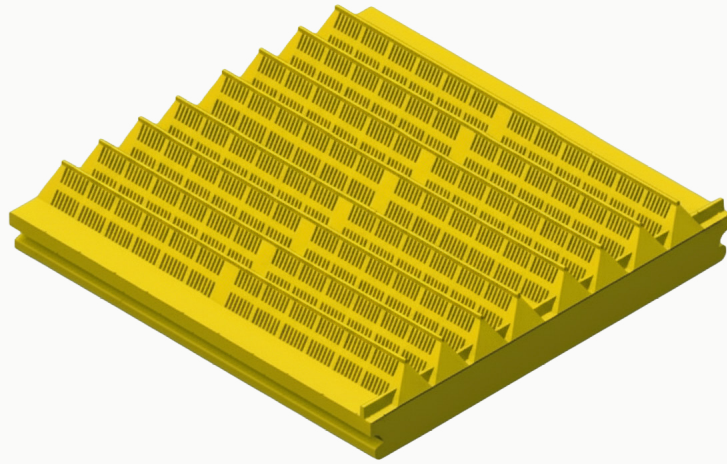
LEARN MORE

INJECTION MOLDED POLYURETHANE MODULAR PANELS

Injection Molded Polyurethane Modular Panels are available in 1' x 1', 30 to 50mm thick

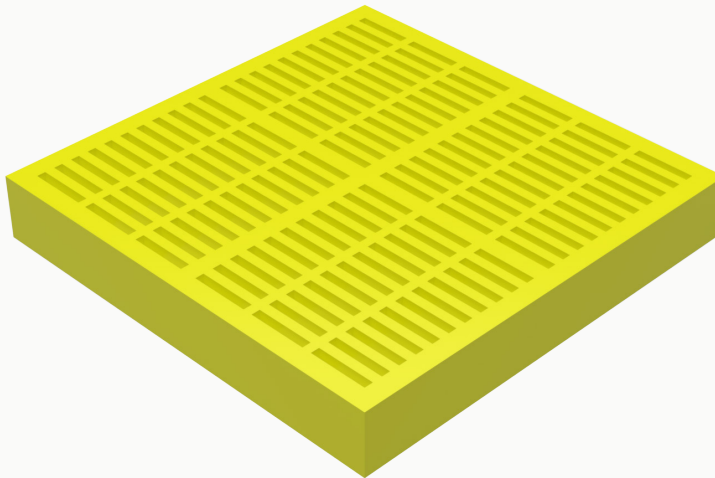
- Panels are reinforced internally and stay flat
- A wide range of aperture sizes and thicknesses
- Compatible fastening systems with market requirements
- Injection Molded Panels are a great lower-cost option





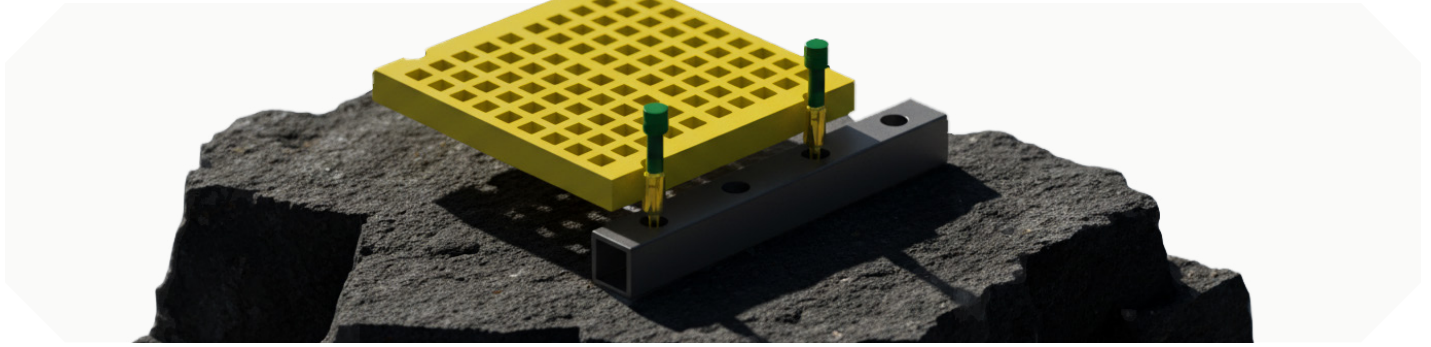
TEEPEE™ PANELS

With typically double the open area of conventional dewatering panels, increased capacity can be achieved on existing dewatering screens. This process reduces the percent moisture by 3-5%.

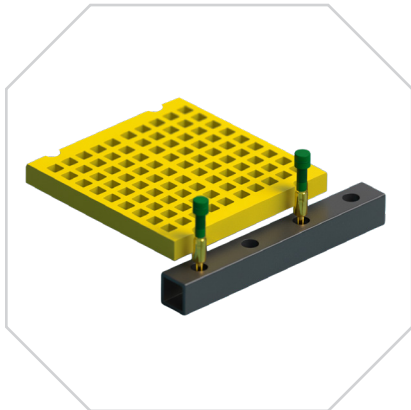


SEGMENT PANELS

Segment panels make use of injection molded inserts cast into various modular fastening systems. These inserts allow for tight gradation specifications to be met in even the finest of cut points.

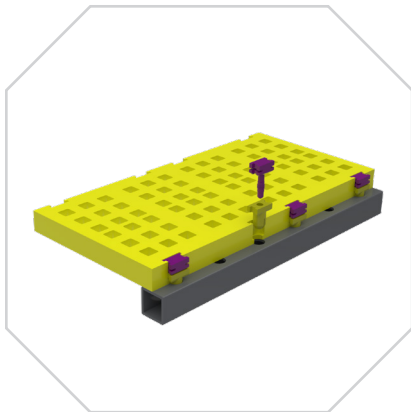


MODULAR PINNING SYSTEMS



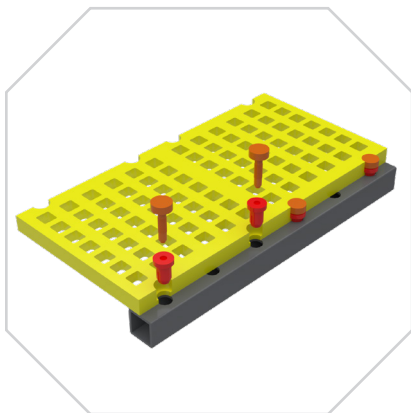
KOMBIDECK IM

Kombideck panels make use of a pin and leg fastening system for modular installation. These panels are designed to fit any OEM deck size requirement and allow for use in generic 23 mm diameter hole stringer setups.



H-PIN

H-Pin and Sleeve Systems lock adjacent panels together, resulting in superior hold-down forces.



PIN & SLEEVE

Suitable for standard and heavy duty modular panels.

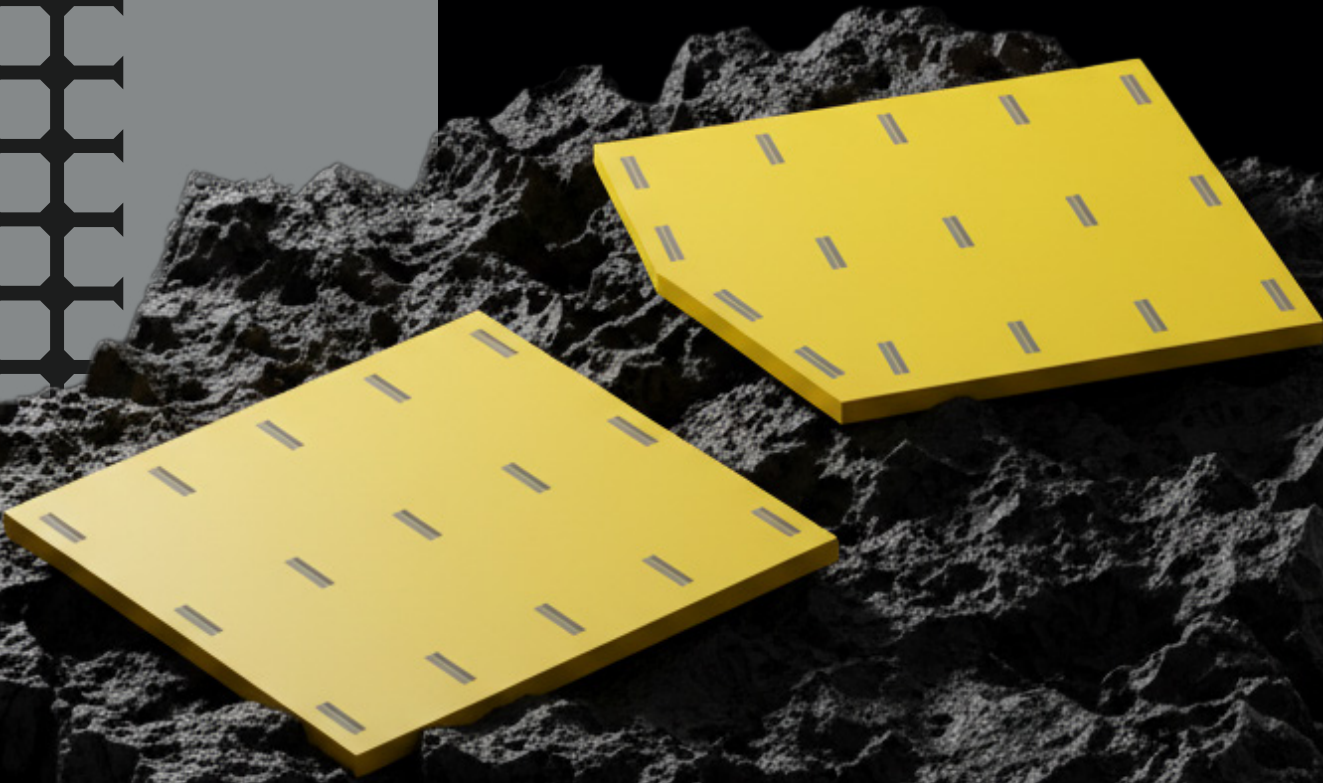


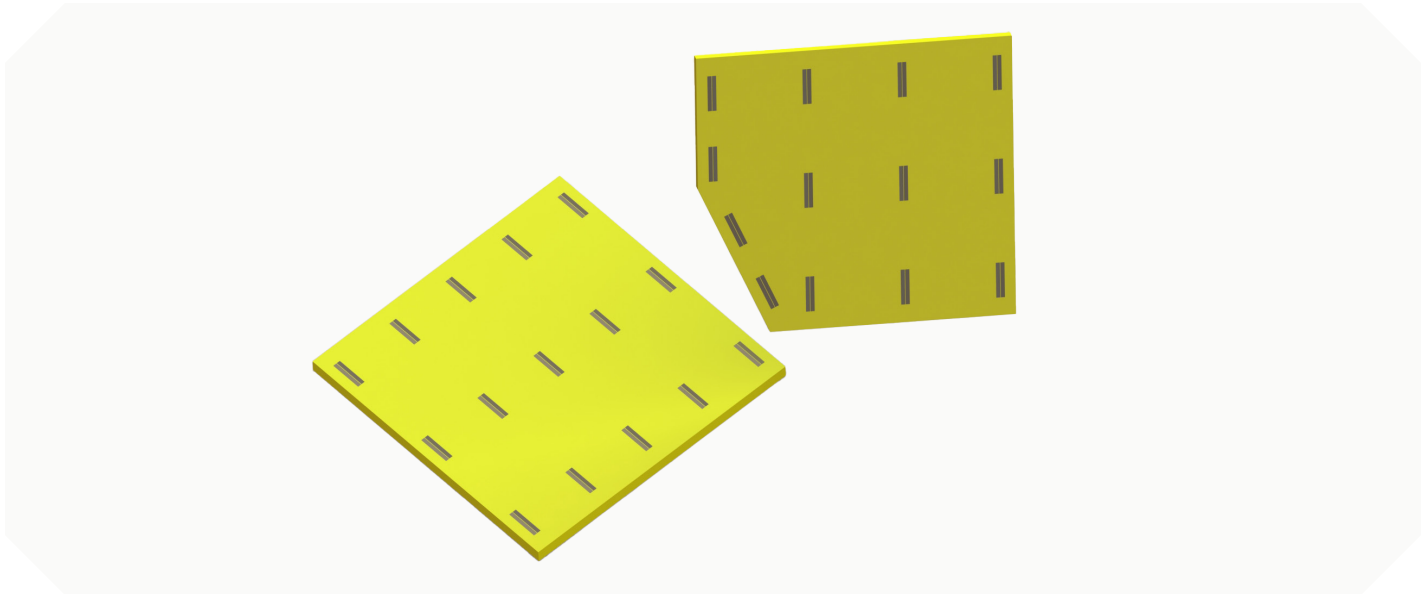
WS 2.10

LEARN MORE

WS 2.10 MAGNETIC WEAR LINERS AND SCREENING MEDIA

Our **EXCLUSIVE, PATENTED WS 2.10** is a high-quality polyurethane that can be applied to any steel surface. WS 2.10 systems deliver custom solutions for all your wear and screening needs with amazing quick-install, no-bolt, no-glue, no-weld systems.

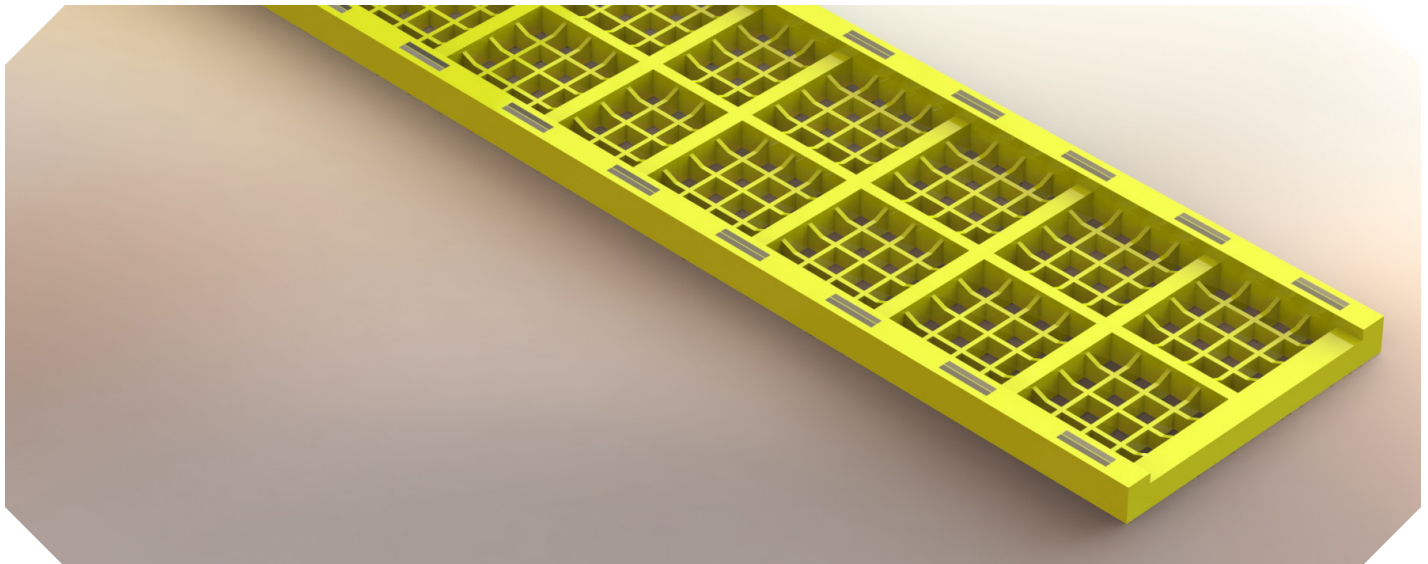




WS 2.10 MAGNETIC WEAR LINERS

WS 2.10 Magnetic Wear Liners mount to any steel surface to prevent premature wear, even in vibratory settings. Use them for frame protection, tube covers, lips, and chute or pan liners. **US Patent No. 8,287,791**

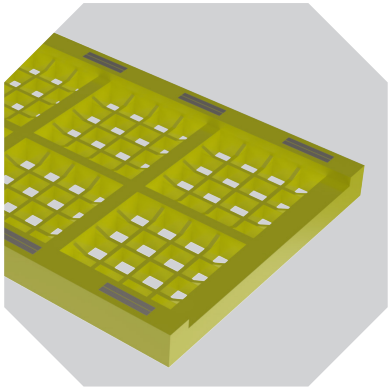
- No welding or cutting
- Easy wear rotation
- Quick installation and removal
- Stays securely in place



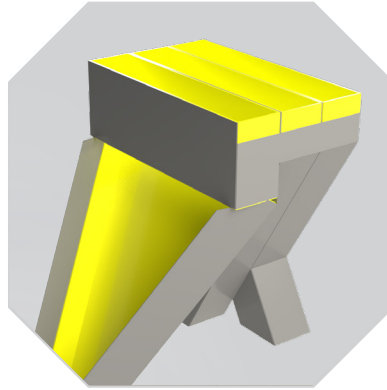
WS 2.10 SCREENING MEDIA

WS 2.10 Screening Media, our revolutionary screening solution, can be applied to any steel surface designed for a screen. Quick install and superior screening solutions are available in 30, 40, and 50mm panel thickness and easily installed on WS 85™ girders, Kombi Rails, etc. WS 2.10 Screening Media takes screening to the next level! **US Patent No. 9,283,700**

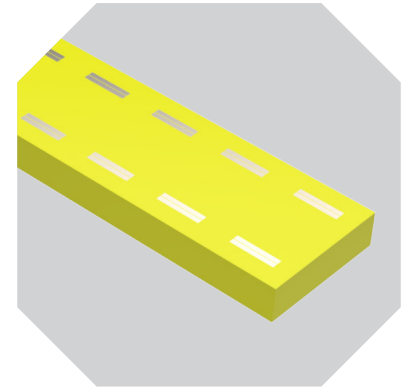
ADDITIONAL WS 2.10 OFFERINGS



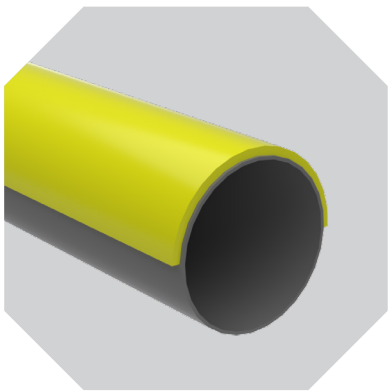
SCREEN PANELS



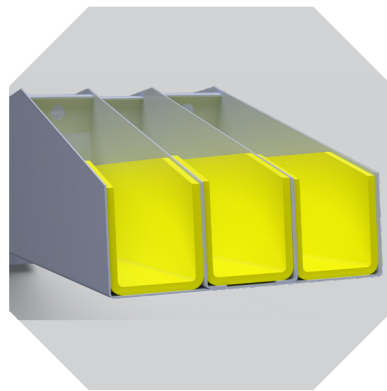
CHUTE LINERS



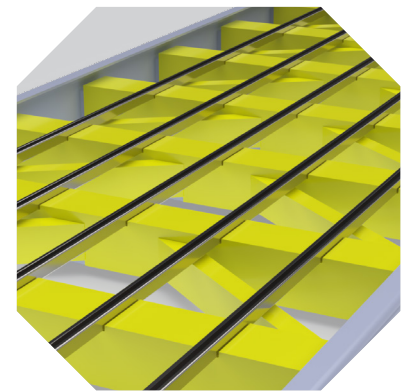
SIDEBARS



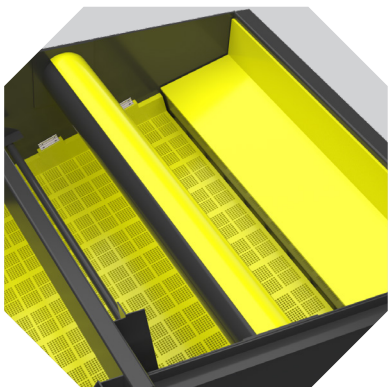
TUBE COVERS



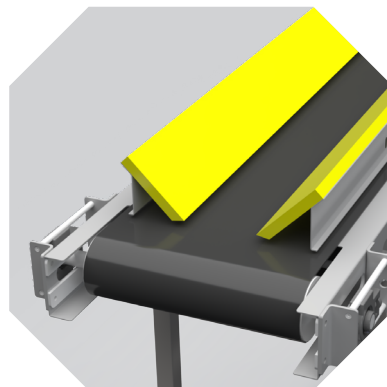
FLUME LINERS



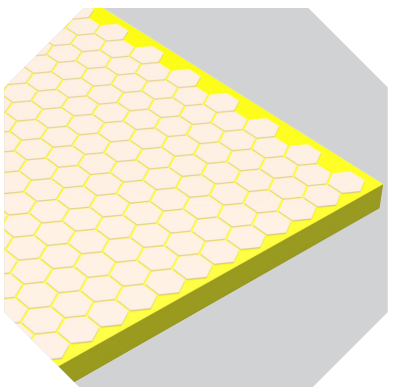
FRAME/CROSS
MEMBER PROTECTION



FEED/DISCHARGE
LIP LINERS



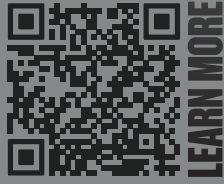
SKIRTBOARD LINERS



CERAMICS

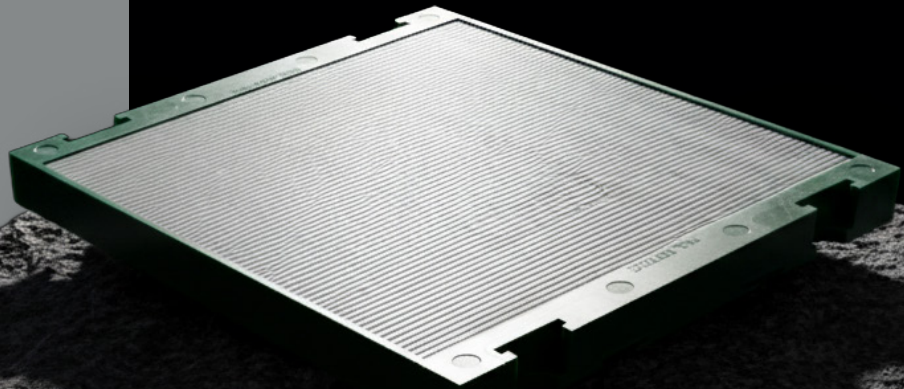


ADDITIONAL SCREEN PANELS



LEARN MORE

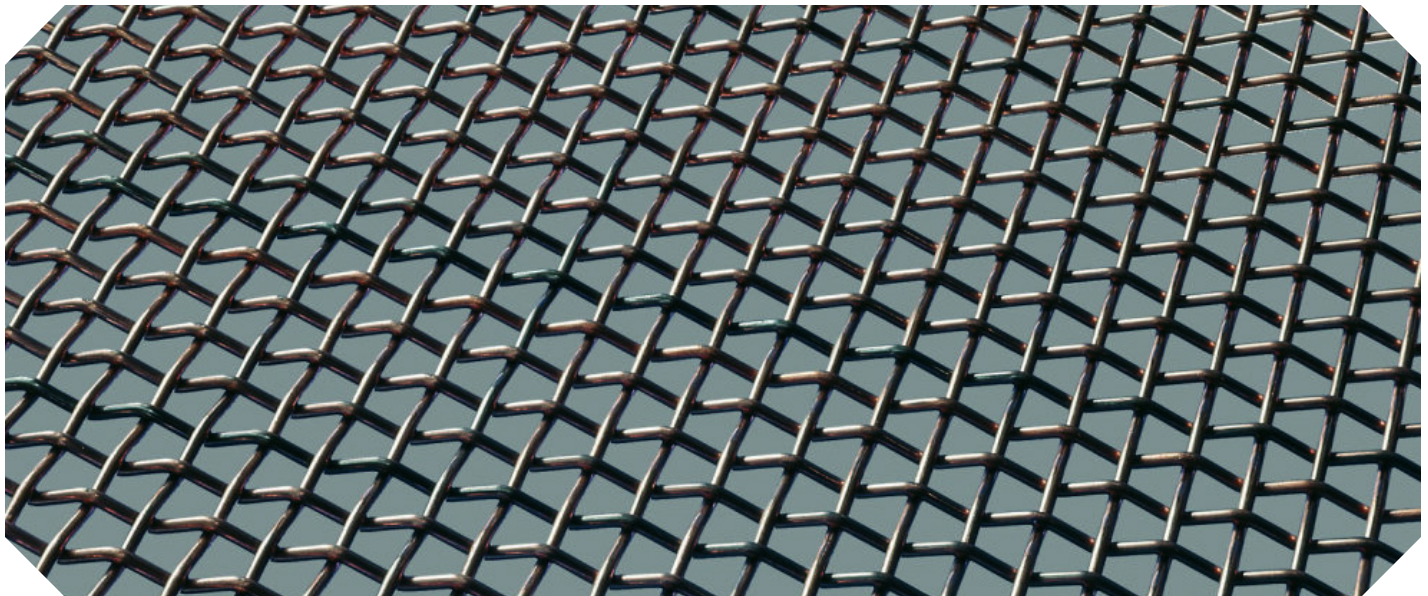
ADDITIONAL SCREEN PANEL LINES





POLYWEDGE SCREEN PANELS

This composite screen panel offers the excellent wear characteristics of polyurethane coupled with the high open areas of wedgewire. Used extensively in coal.



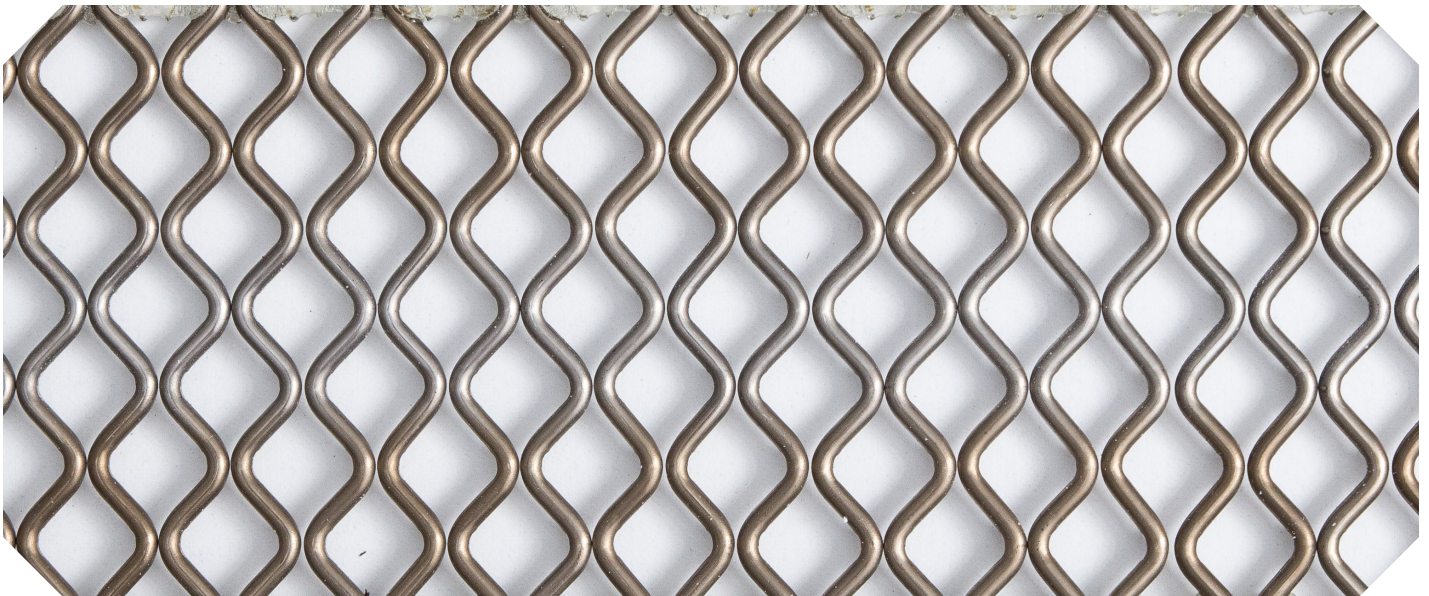
WIRE TENSION

Tema Isenmann offers a wide range of wire screen offerings for applications requiring the highest open area. Configured in either side or end tension fastening systems, these wire screens can be fit to any existing application and ensure a like-for-like fit without any field retrofits. Wire configurations include woven wire, welded wire, pre-crimped wire, and self-cleaning harp wire.



RUBBER

Rubber panels provide superior wear characteristics in primary scalping applications. Available in both pinning fastening systems and customized bolt-down options, rubber screen panels stand up to the most aggressive environments in screening. These panels can be offered in both compression molded and injection molded rubber, based on the application requirements



MODULAR WIRE

Similar to wire tension screens, modular wire offerings include all the wire configurations in a modular system. In smaller sections, these wire screens allow for the highest open area requirements to be met while making use of a smaller, easy to handle panel.



POLYPUNCH AND CHROME CARBIDE PANELS

Ideal for use on multislope screens, the PolyPunch panels are designed for screens where high impact and high sliding are present. The panels consist of a laser cut perforated-plate screening surface made from a range of wear resistant steels for abrasive applications, including VRN 500 and Bennox to 304 stainless steel and 3CR12 for corrosive environments with cast polyurethane borders. The rigid and strong nature of the steel makes it possible to increase the amount of open area, consequently increasing capacity.

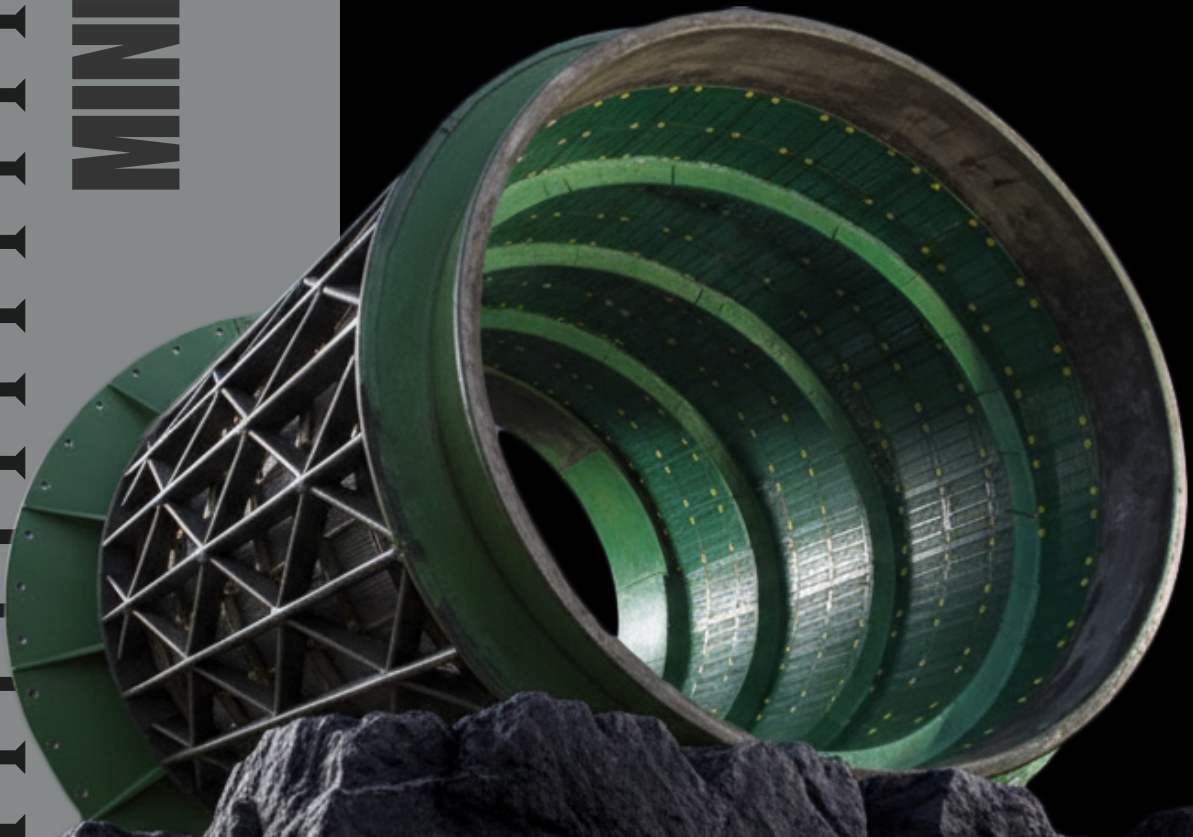


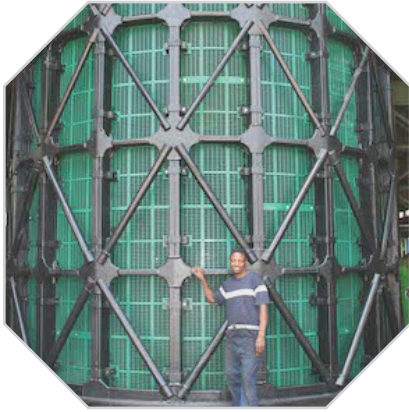
**MINING SCREENING
EQUIPMENT**

LEARN MORE

MINING SCREENING EQUIPMENT

TEMA ISENMANN supplies the Multotec range of Mill, Scrubber and Self-Driven Trommel Screens, in addition to a full range of Sieve Bends and Static Screens.





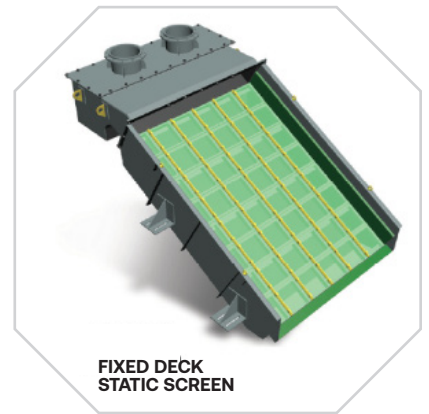
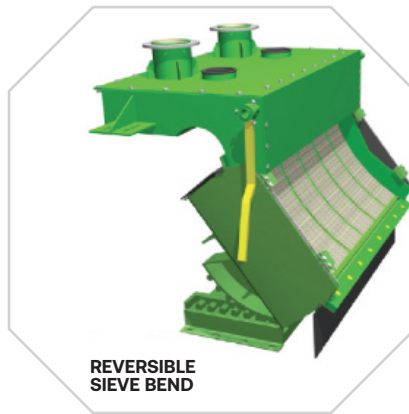
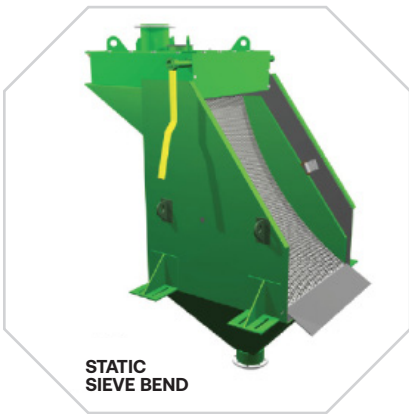
TROMMEL SCREENS

Mill and Scrubber Trommel Screens range in size from 950mm to 7000mm in diameter and lengths in excess of 8000mm.

Trommels are designed using Finite Analysis to reduce stresses and improve Trommel frame life.

Self-Driven Trommels complete with hydraulic variable speed drive, and range in size from 1000mm to 4500mm in diameter and lengths in excess of 15000mm.

Trommels are sized to suit specific applications.

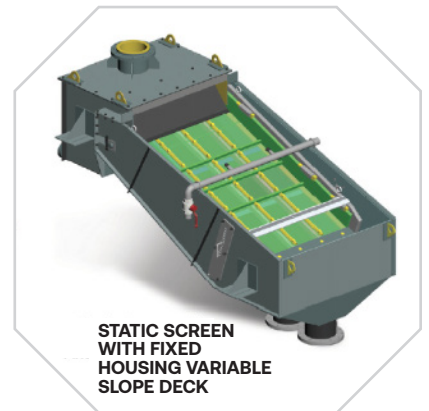


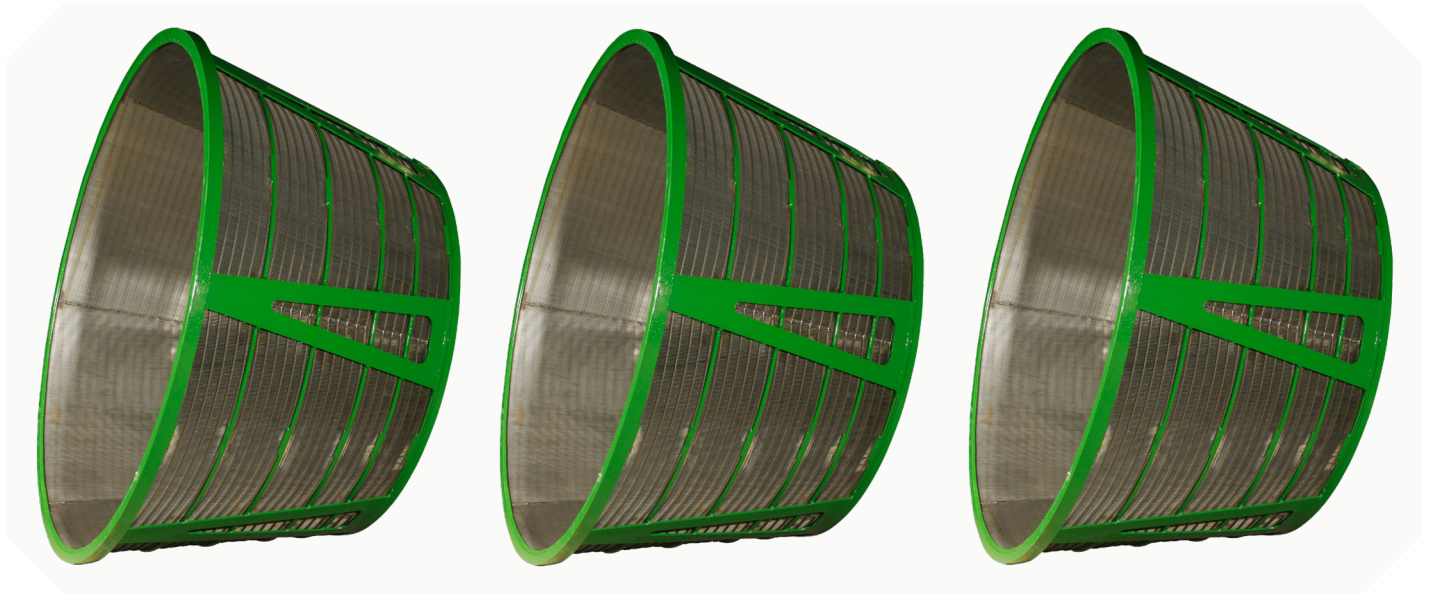
SIEVE BENDS & STATIC SCREENS

The Multotec range of Sieve Bends and Static Screens are typically used for:

- Media recovery
- De-watering
- De-sliming
- Trash removal

Sieve bends sizes range from 300mm to 3000mm wide and 800mm to 1600mm arc length. Static Screen sizes range from 300mm to 4880mm wide and up to 4880mm long.



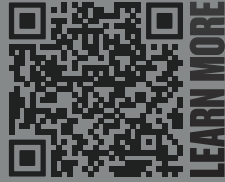


CENTRIFUGE BASKETS

Optima centrifuge wedgewire baskets are dynamically balanced to provide peak performance and lasting bearing life during operation. Feed end flanges are machined to ensure precision fitting and baskets can have feed end and/or discharge end wear cones. Accelerator bars to replace distribution cones are also available. These baskets are manufactured to suit all sizes of centrifuges commonly used in 430, 304, and 316 stainless steel.

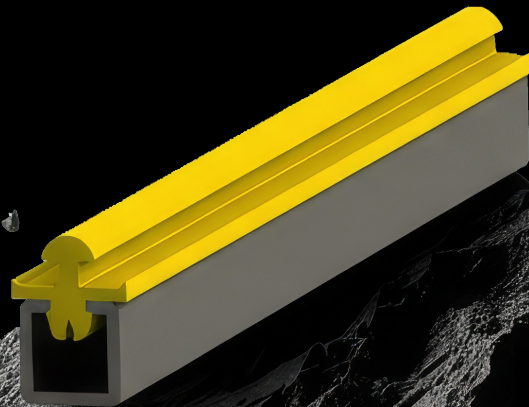


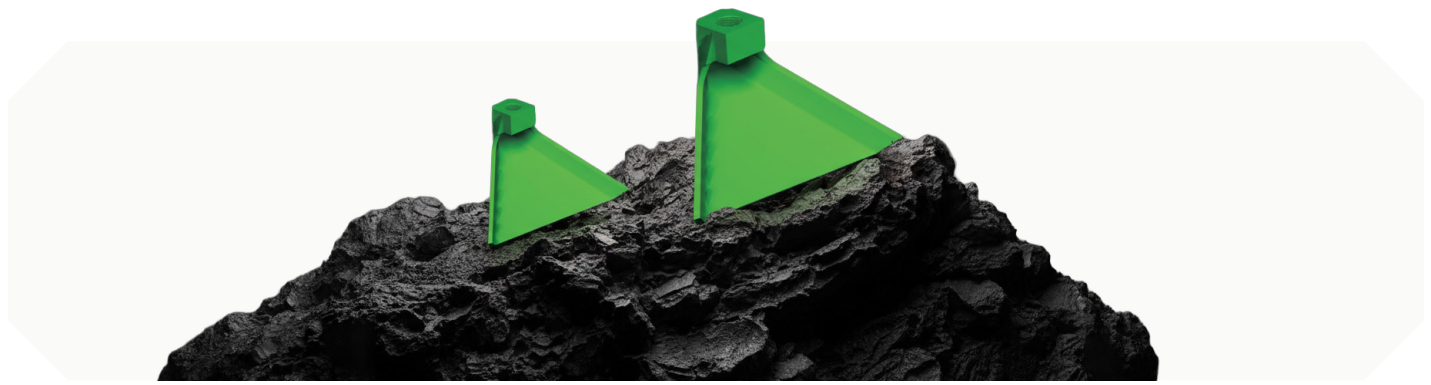
ACCESSORIES



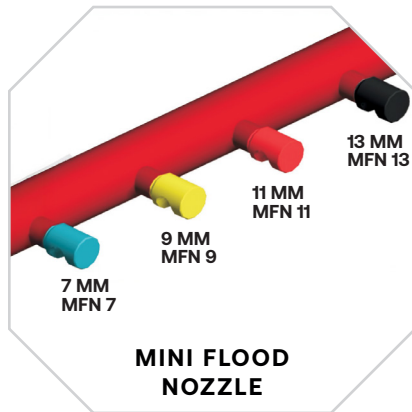
LEARN MORE

ACCESSORIES





FLOOD AND SPRAY NOZZLES



FLOOD NOZZLES

Our Flood Nozzle design reduces downtime and ensures constant, efficient operation. Manufactured from abrasion-resistant polyurethane, ensuring long life, they replace two or three conventional spray nozzles with one, by utilizing a 120-degree spray angle. The orifice diameter for standard sizes facilitates uninterrupted flow by reducing blockage problems from contaminated water.



SPRAY NOZZLES

Our range of Spray Nozzles come in different orifice sizes for different flow rates, with either round or rectangular orifices to suit all applications.

PDR = ROUND
PDS = RECTANGULAR

- Wet screening
- Ore washing
- Medium recovery
- Slime removal
- Conveyor belt cleaning
- Uniform water curtain with high operating efficiencies



*To learn more about our available accessories, connect with your Tema Isenmann sales representative.



THE YELLOW STANDARD

PHONE: (859) 252 0613

FAX: (859) 254 9877

EMAIL: Sales@Temalsenmann.com

2107 Sandersville Road,
Lexington, Kentucky U.S.A. 40511



See the Future
of Tema Isenmann

Temalsenmann.com