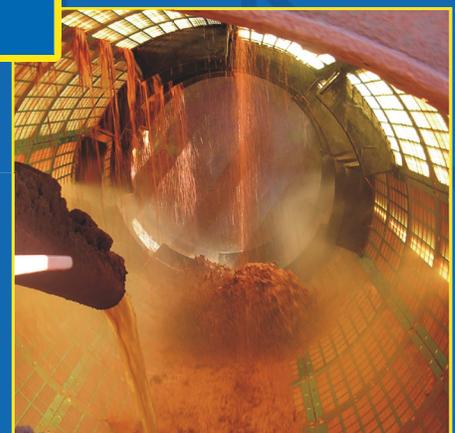
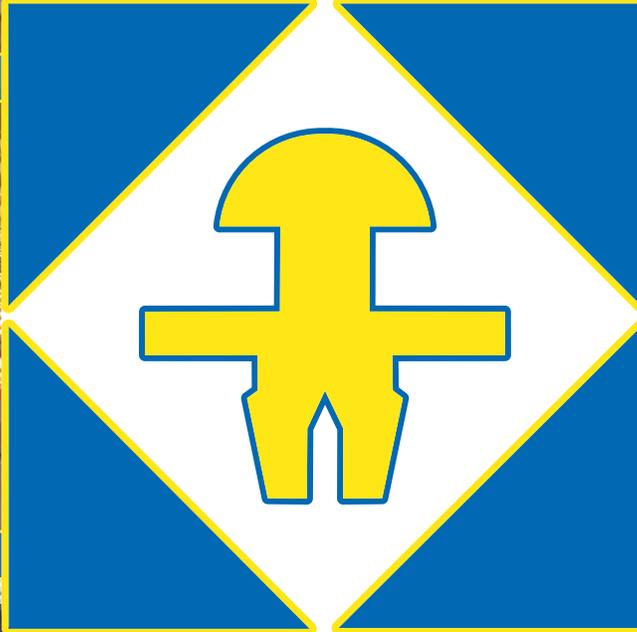
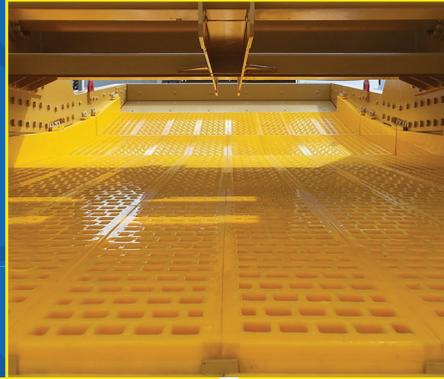
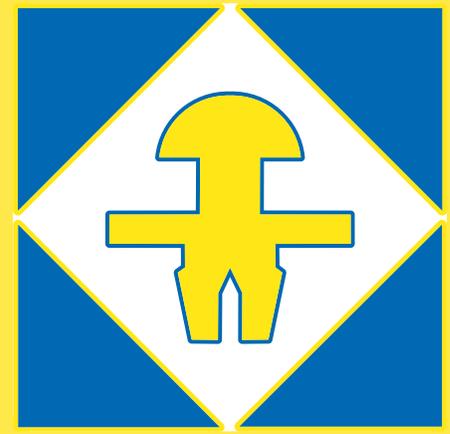


TEMA ISENMANN



THINK YELLOW
SOLUTIONS FOR ALL YOUR SCREENING AND WEAR NEEDS!



TEMA ISENMANN
Screening Systems & Solutions

TEMA ISENMANN has been a leading manufacturer of American-made polyurethane screening products and systems for over twenty-five years, supplying what the mining and aggregate industries need. We provide solutions and our engineering team continues to develop breakthrough products that we proudly bring to the industry.

Our exclusive WS 2.10 is a patented wear protection product that can be applied to any steel surface that sustains wear. This high-quality Wear-Resistant Protection System is one of the most innovative products ever developed for mining and aggregate plants. Premature wear is successfully combated with this amazing no-bolt, no-glue, no-weld, no-retrofit protection system. The use of high-intensity rare earth magnets allows for ease of installation and removal when worn, reducing maintenance downtime and costs.

All TEMA ISENMANN Systems are designed for efficient and productive low-maintenance. Our systems are engineered with simplicity in mind to deliver higher wear life, improved efficiency and reduced labor resulting in lower costs per ton.

TEMA ISENMANN is also the official distributor of the Multotec Manufacturing range of screen panels, including Polyurethane, Rubber, Wedgewire, Specialized Hybrid Panels and Saddle Top™ Rail Systems that complement our own range of products in the mining and aggregate industries. In addition, we supply the Multotec range of Mill and Scrubber Trommel Screens, Self-Driven Trommel Screens, Sieve Bends and Static Screens.

TEMA ISENMANN has got you covered!

Guaranteed Cost Effective Solutions

Our specially engineered polyurethane products lead the industry by resisting abrasion, corrosion and wear. All of our systems are engineered to deliver the highest performance with the lowest maintenance costs.

We stand behind all our products with our THREE-POINT GUARANTEE:

- screen efficiency
- produce properly graded material
- provide cost-effective service life

Our commitment to quality and service has earned us many satisfied customers and a trustworthy reputation industry wide.

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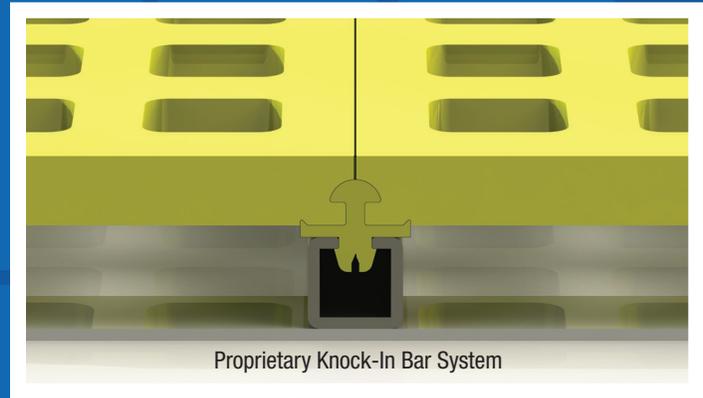
Open-Cast Polyurethane

The hot open-cast process provides a long slow cure and post-cure that enhances the cross-linking of the polyurethane molecules. Although open-cast thermoset polyurethane components are more labor-intensive to manufacture, 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

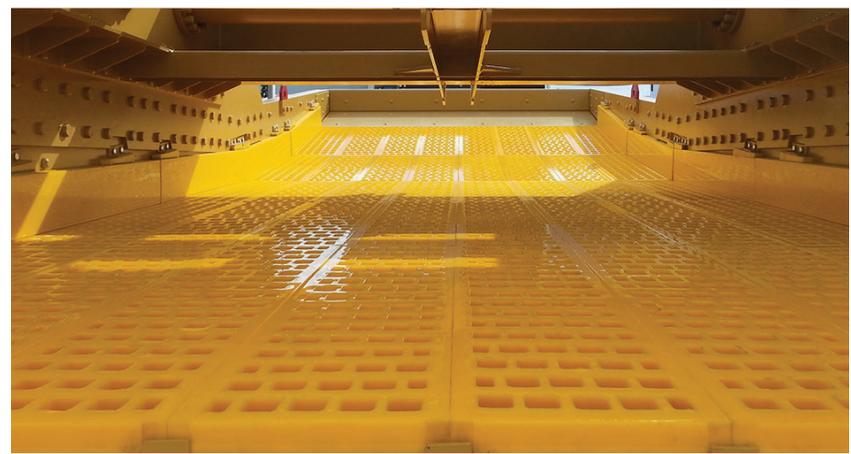
WS 85 screen panels are made with the highest quality, mine duty, open cast urethane available anywhere in the world! They are manufactured and supplied in a range of durometers and custom structural designs to meet any and every screening application. From fine wet and dry screening to primary scalping and every other screening application in between—TEMA ISENMANN WS 85 screen panels are plant proven to be the best.

- The standard for 1' x 4' and 1' x 2' modular panel systems
- Exclusive staggered pattern for increased efficiency



Proprietary Knock-In Bar System

- Openings from 0.2mm to 8"
- 30 to 100mm thick panels; can include dams and diverters



Flex-A-Thon™



Flex-A-Thon screens are made from a thin, yet highly durable, polyurethane material. The urethane membrane is punched and pretensioned to be lively, flexible and resilient, and provides the highest open area of any synthetic screen.

- #1 screen media for tight separations when fine screening up to 6% damp material
- Guaranteed non-blinding and long wear life
- Prevents blinding while allowing the use of square openings in fine dry screening
- Preferred screening media for wet dust suppression

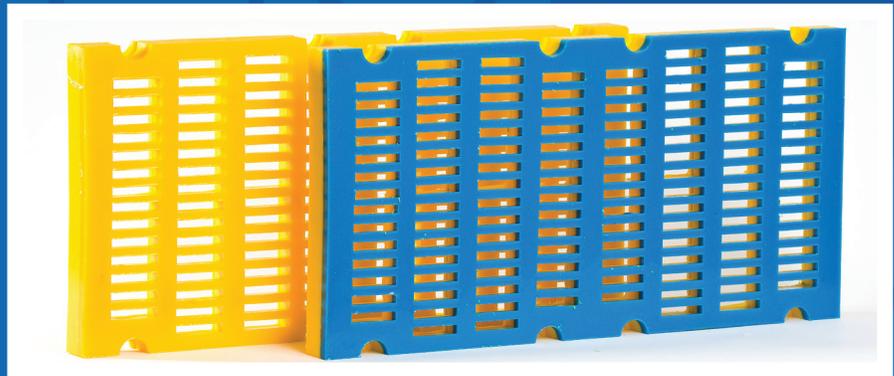
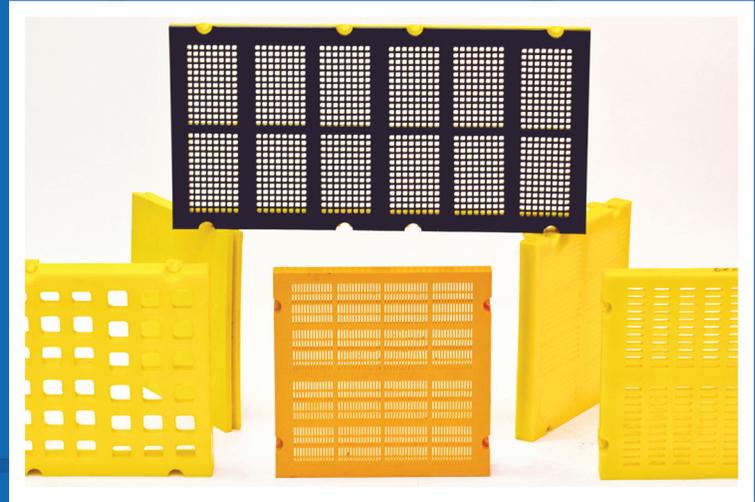


Open-Cast Polyurethane

Polyurethane Pin & Leg Systems

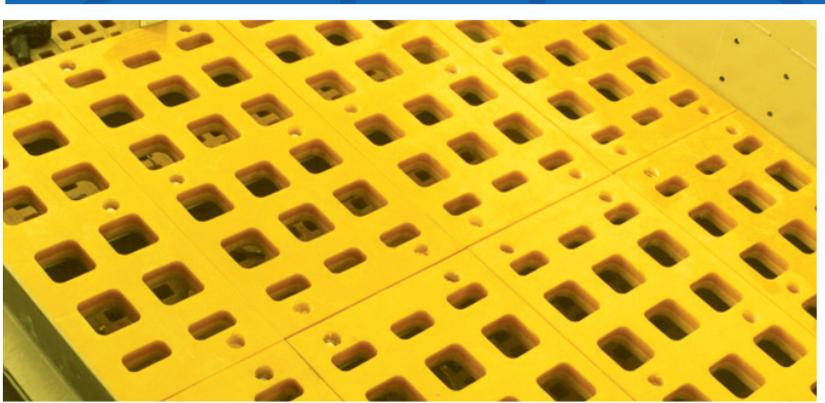
Modular open-cast Polyurethane Pin & Leg Panels are compatible with all 1' x 1' and 1' x 2' systems.

- Proprietary TDS aperture design creates flexible non-blinding panels
- Hi-flow system offers reduced margins for increased open area
- Solid pin design for quick, easy installation & removal



Boltdown & Tension Systems

- Boltdown panels are designed and manufactured to suit the application
- Steel-backed reinforcement for high impact resistance
- Materials are available to optimize wear life
- Options range from soft urethane with excellent impact resistance to higher durometer suited for fine, wet applications



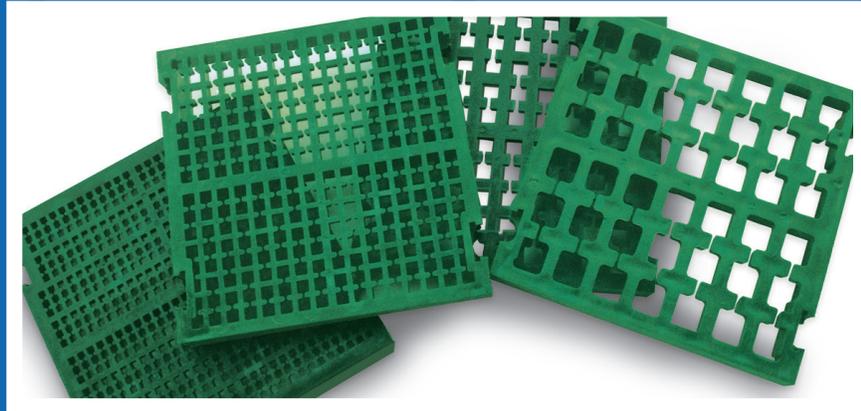
- Tension screens are cable-reinforced and custom-made to fit any crown deck
- Direct replacement for single and double crown side tension configurations
- End tension designs are also available



Injection Molded Polyurethane Modular Panels

Injection Molded Polyurethane Modular Panels are available in 1' x 1', 30 to 80mm thick

- Reduced operating costs — only worn panels are replaced
- Quick and simple installation and removal
- Panels are reinforced internally and stay flat
- A wide range of aperture sizes and thicknesses
- Compatible fastening systems with market requirements



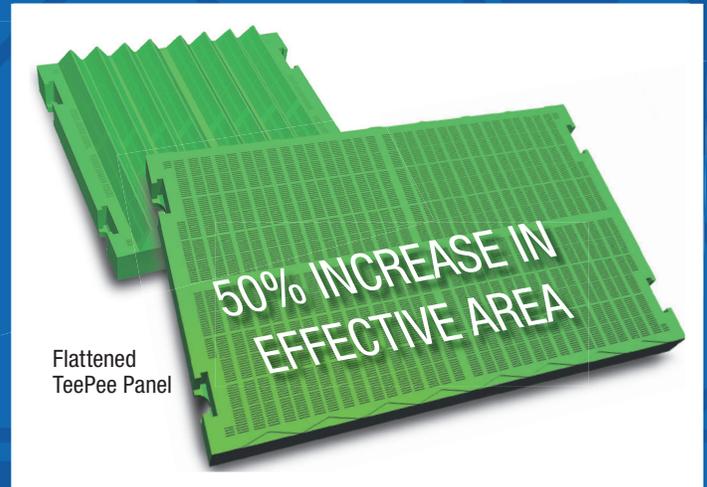
Polywedge Screen Panels

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



TeePee™ Panels

With typically double the open area of conventional dewatering panels, increased capacity can be achieved on existing dewatering screens.



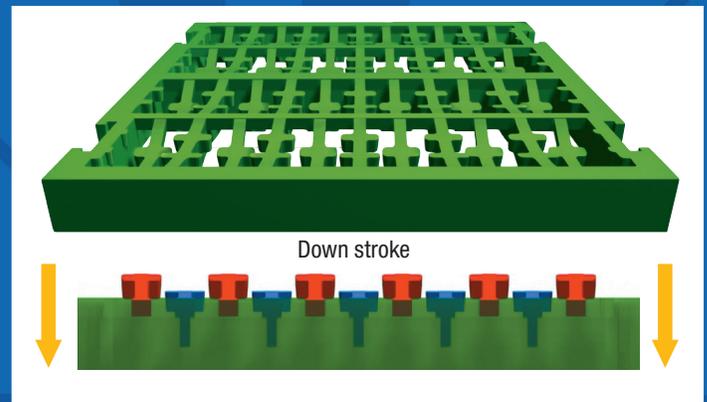
Polypunch Screen Panels

Modular design ideal for use where there is a combination of high impact and velocity.



Vibroplast Screen Panels

A patented design with interconnecting apertures and alternative solid dams of different thicknesses make the screen panel non-pegging and non-blinding.





WS 2.10 Magnetic Wear Liners & 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

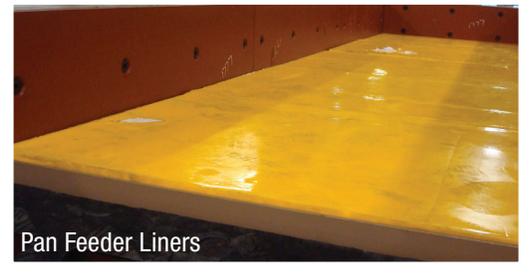
WS 2.10 Magnetic Wear Liners can be applied to any steel surface that sustains wear. Premature wear is successfully conquered in static or vibratory applications — no problem! For use as: Frame Protectors, Tube Covers, Discharge and Feed Lips, Chute and Pan Liners. WS 2.10 Wear Liners protect your investment!

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

US Patent No. 8,287,791



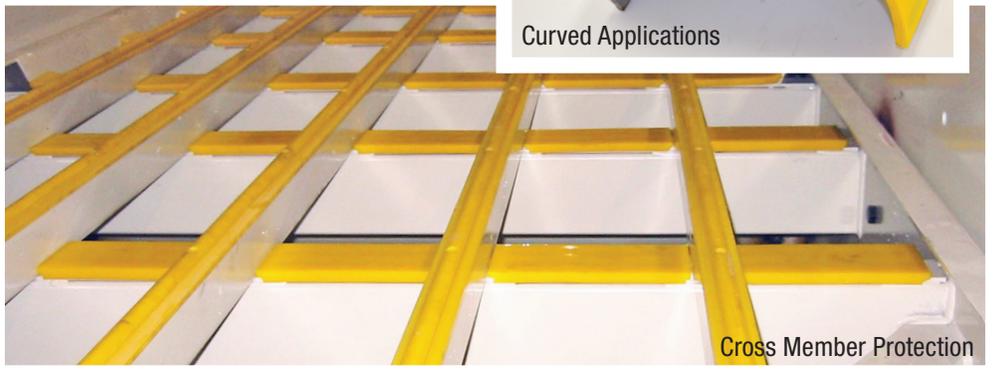
Curved Applications



Pan Feeder Liners



Ceramic Inserts Available



Cross Member Protection

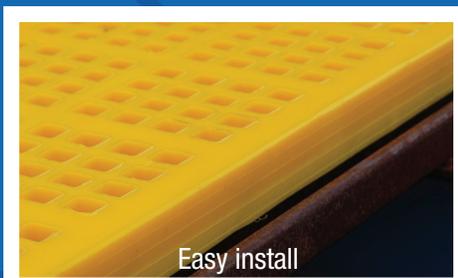
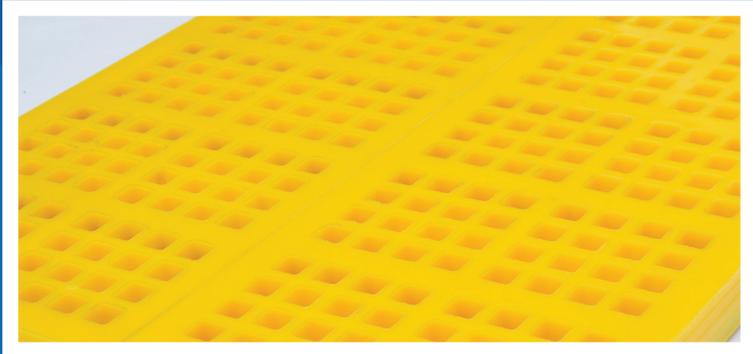


Chute Liners

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



Easy install



Snaps in Place



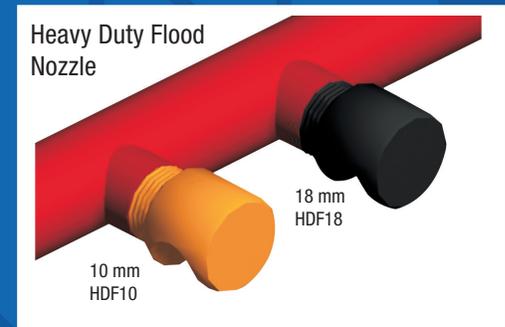
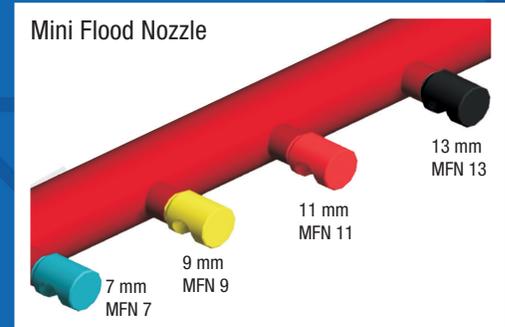
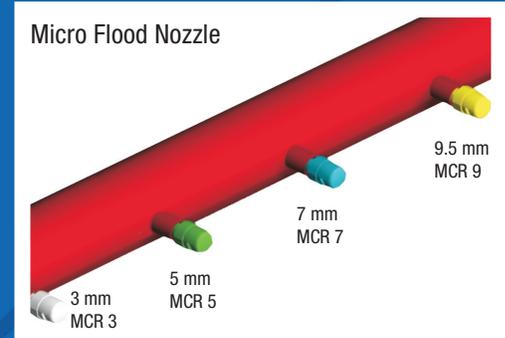
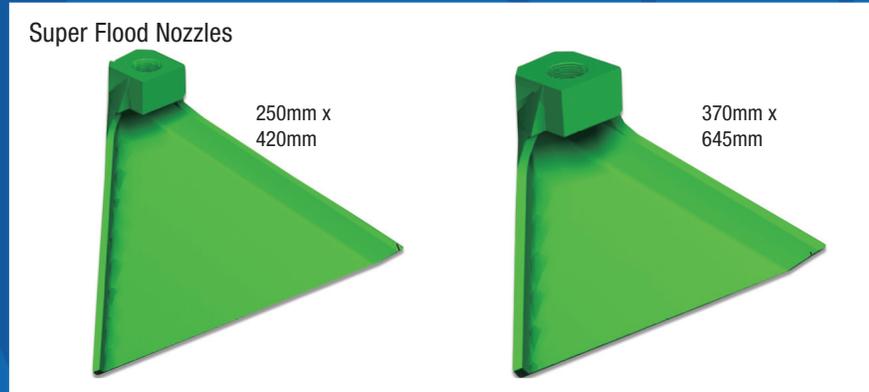
No Tools Required



Polyurethane Flood & 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.

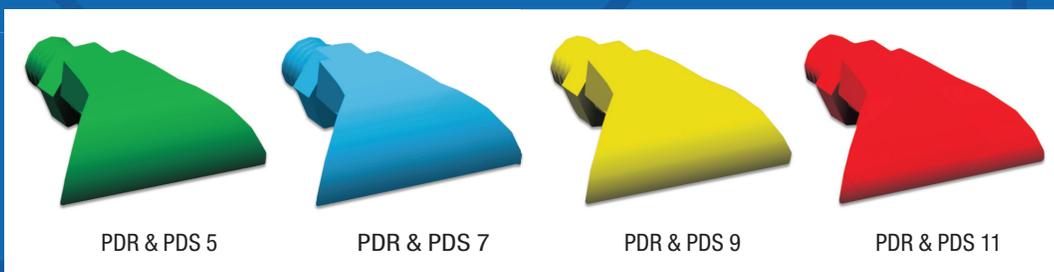


Spray Nozzles

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

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

Aquaplast Spray Nozzles



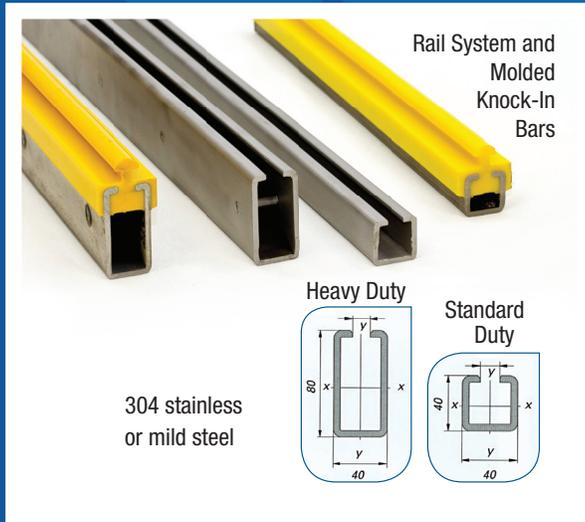
PDR = Round
PDS = Rectangular



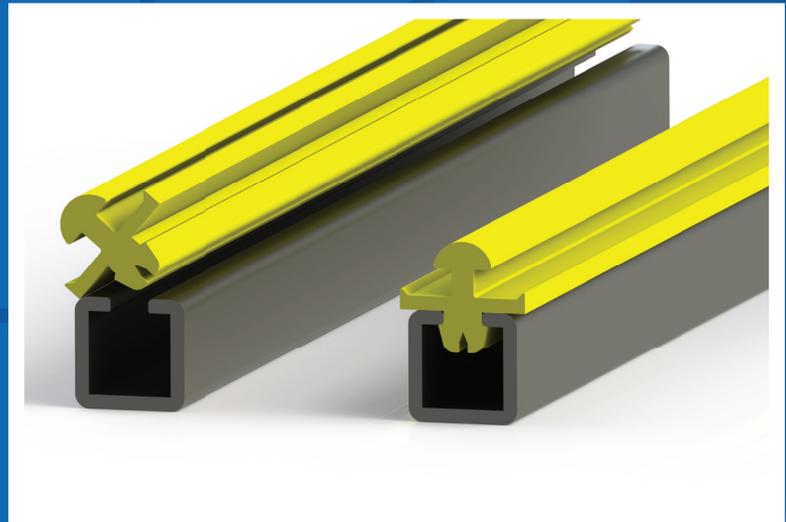
Rail & Girder Fastening Systems

TEMA ISENMANN has a number of Rail and Girder Fastening Systems compatible with market requirements, including:

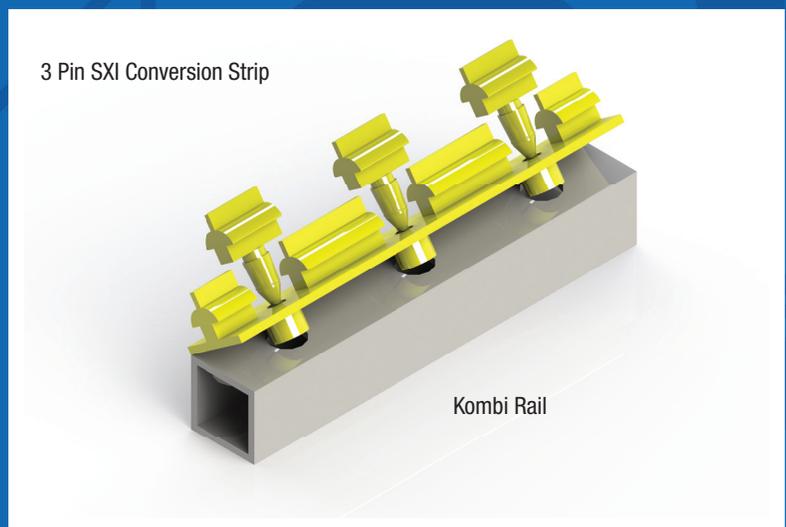
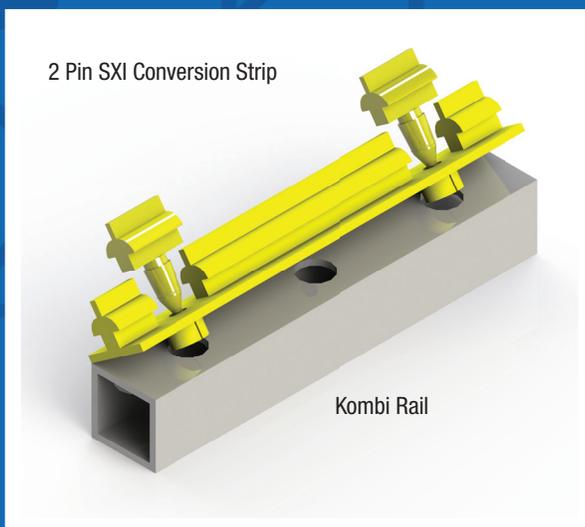
WS 85™ Deck Support System



Proprietary Knock-In Bar System



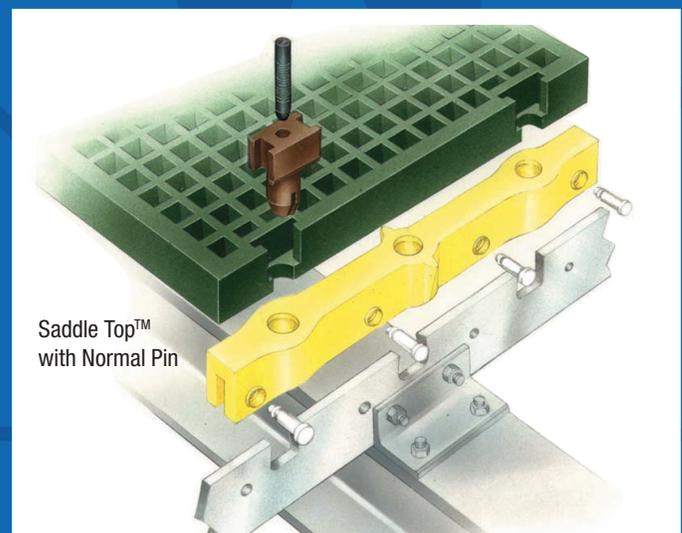
Kombi Rail and SXI Conversion Strip System



Multotec Patented Saddle Top™ Rail Systems

The Saddle Top™ System was developed so screen panel fastening holes on conventional runners could be replaced in sections instead of replacing the entire runner. The Saddle Top™ is manufactured from polyurethane and fits onto a flat bar runner that is, in turn, fastened via cleats to the cross members of the vibrating screen. As the Saddle Top™ is a replaceable wear component, it protects the runners, increasing runner life and reducing maintenance downtime.

Available to suit most applications and fastening systems.



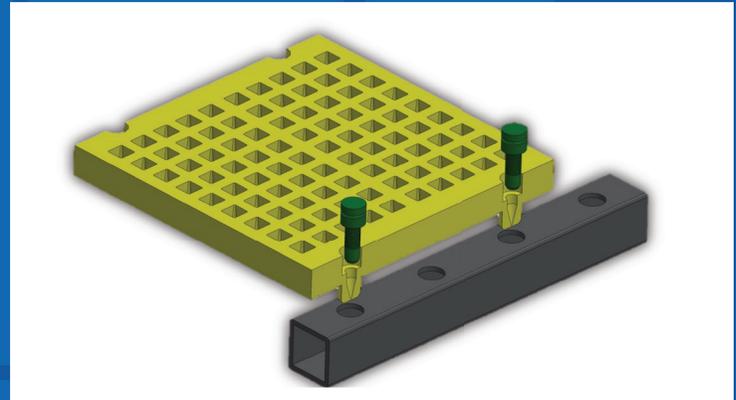


Modular Fastening Systems

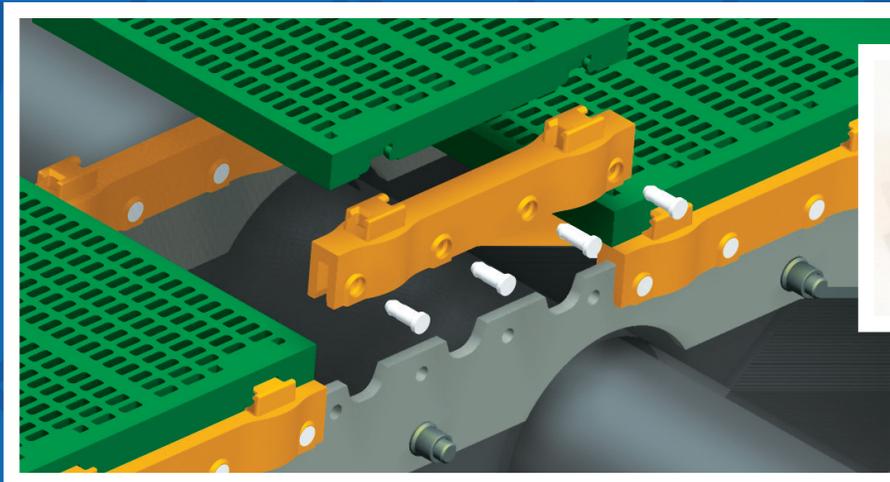
TEMA ISENMANN has a full range of modular fastening systems to suit most applications and rail systems, including:

Pin & Leg Systems

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

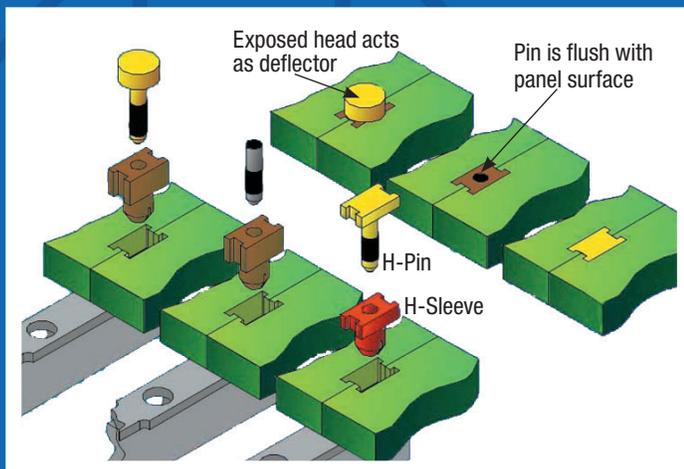


P3 Pinless Fastening Systems



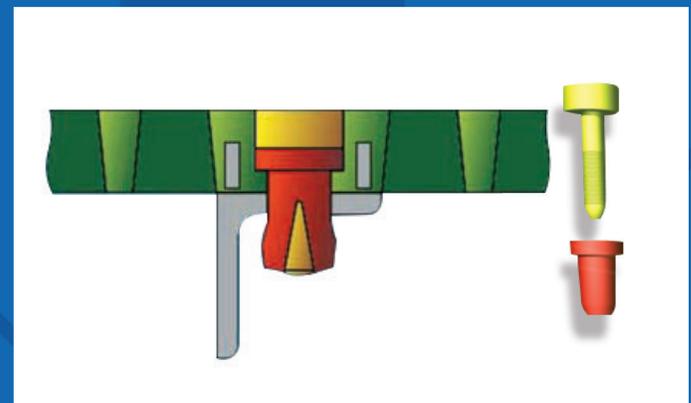
The P3 Pinless fastening system can be installed with either the P3 Saddle Top™ or P3P Adapter on standard runners.

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.



Process 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.



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

Trommels are sized to suit specific applications.



Sieve Bends & Static Screens

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

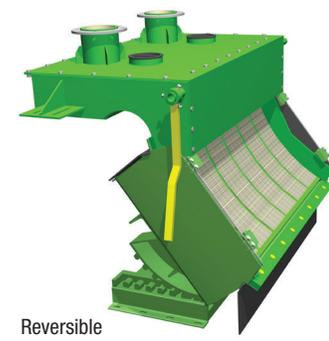
- Media recovery
- De-watering
- De-sliming
- Trash removal

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.



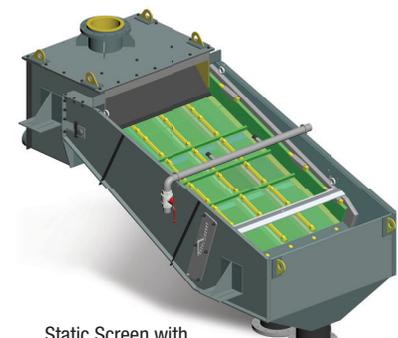
Static Sieve Bend



Reversible Sieve Bend



Fixed Deck Static Screen



Static Screen with Fixed Housing Variable Slope Deck



Wedgewire Products

TEMA ISENMANN supplies the full range of Multotec Optima Wedgewire products and a full range of profiles available in 430, 304 and 316SS, including:

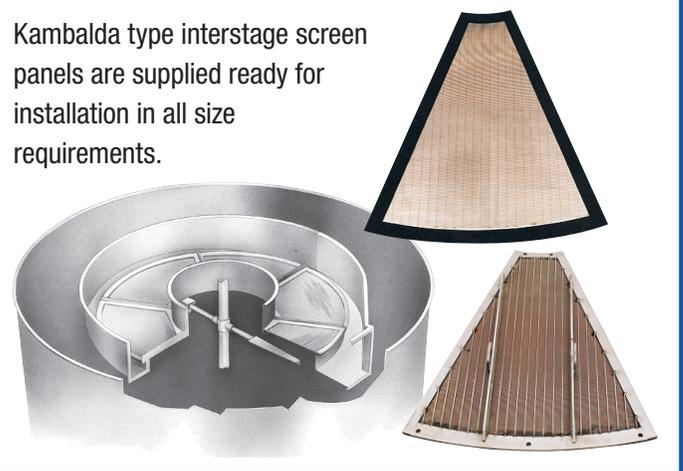
Seamless Wedgewire Cylinders for CIP / CIL Interstage Screens



Standard cylinders are seamless which eliminates flat or high spots providing better wear life.

Kambalda Screens

Kambalda type interstage screen panels are supplied ready for installation in all size requirements.

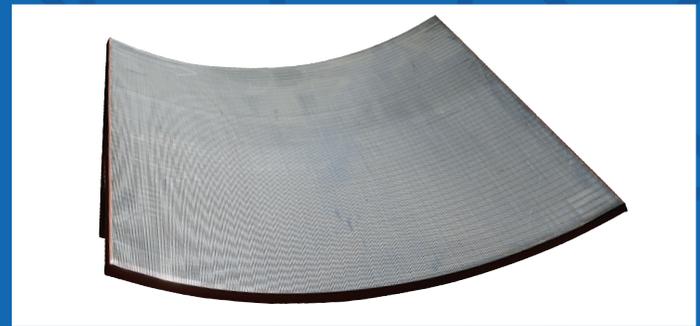


Wedgewire Panels



Panel sizes to suit screen deck.

Wedgewire Sieve Bends



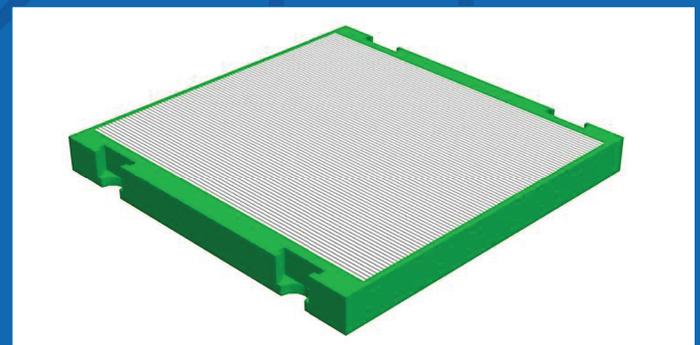
Available in different wedge wire profiles and aperture sizes.

WS 85 Wedgewire Panels

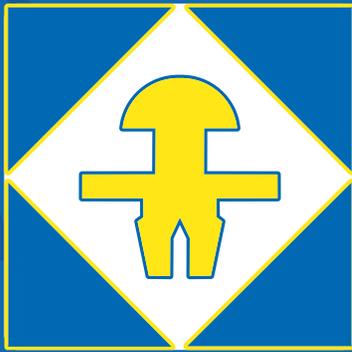


Available in 1'x2' and 1'x4' with different apertures and wedge wire profiles to suit the application.

Hybrid Poly-Wedge Panels



Modular 305x305x30mm with different wedge wire profiles and apertures to suit the application.



TEMA ISENMANN

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Fax: (859) 254-9877

Sales@temaisenmann.com

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