



HAVER & BOECKER
NIAGARA

- **INDUSTRIAL SCREEN MEDIA**

„Everything from single source”!



HAVER & BOECKER
NIAGARA



FLEX-MAT[®]
AKTIVDRAHTSIEB

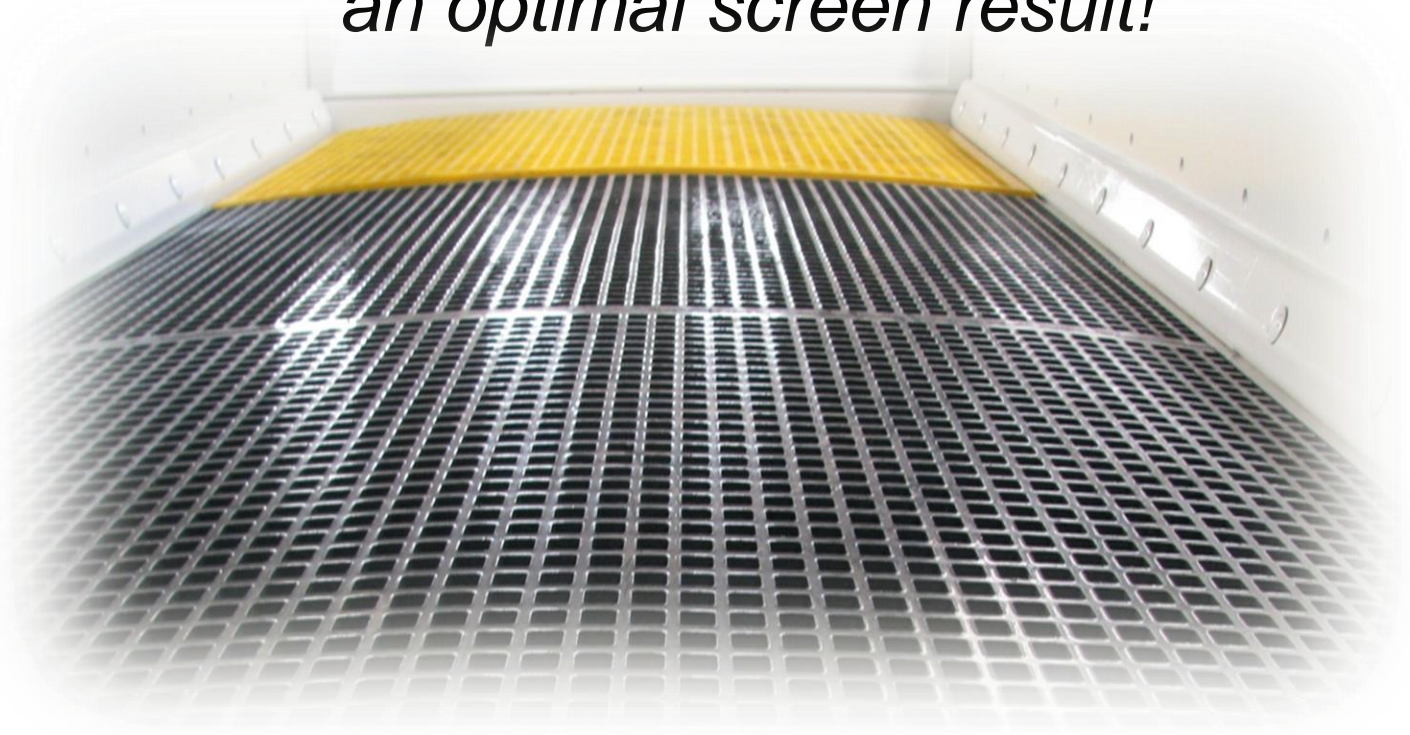
A large selection of screen media...

Individually adapted to your requirements!



**...combined and integrated the best technologies
with the final goal:**

an optimal screen result!





The requirements at the screen panels!

- ☐ A long wear life
- ☐ Minimize downtime
- ☐ Reduce noise pollution
- ☐ Reduce blinding and pegging
- ☐ Achieve the screening quality



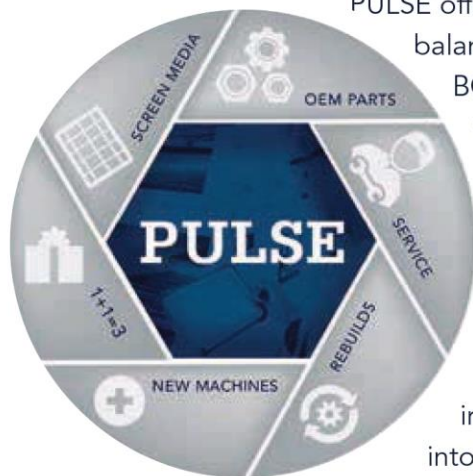


Solutions by the processing Expert based on..

- ☐ Experiences, goals and wishes from customer side
- ☐ Evaluation of the general condition of the machine and their components
- ☐ Measurement of the machines via „**pulse vibrations analysis**“ with inscription of all relevant dimensions
- ☐ Evaluation of the feed and discharge situation, including up- and downstream components under consideration of the material flow on the screen decks
- ☐ Final report with the gain findings and recommendations



WHAT IS PULSE?



PULSE offers the key to running a balanced operation. HAVER & BOECKER designed PULSE, the newest innovation in vibration analysis technology, specifically to analyze the health of all brands of vibrating screens and their components. The vibration analysis software detects irregularities that could translate into diminished performance, decreased efficiency and increased operating costs. Reporting and a historical timeline of the machine's performance give you the information needed to minimize downtime and maximize productivity and profits.

Pulse is available for purchase or lease with both basic and professional levels to fit small and large operations. Both programs include an industrial-grade tablet computer, eight tri-axial sensors, a monthly maintenance package and optional expert analysis reports.





PROcheck report & consultation



PRO-DECK™

Customer Name

Location: Date:

Contact: Machine:

Phone: Evaluated by:

Email:





Inspection flow



1. PULSE Vibrations Analysis



2. Machine Inspection

PLACE PHOTO OF MACHINE HERE

PRO-DECK™

Customer Name: _____

Location: _____ Date: _____

Contact: _____ Machine: _____

Phone: _____ Evaluated by: _____

Email: _____



3. Final Report



4. Recommendation



5. Optimized Installation



The best recommendation for any application!

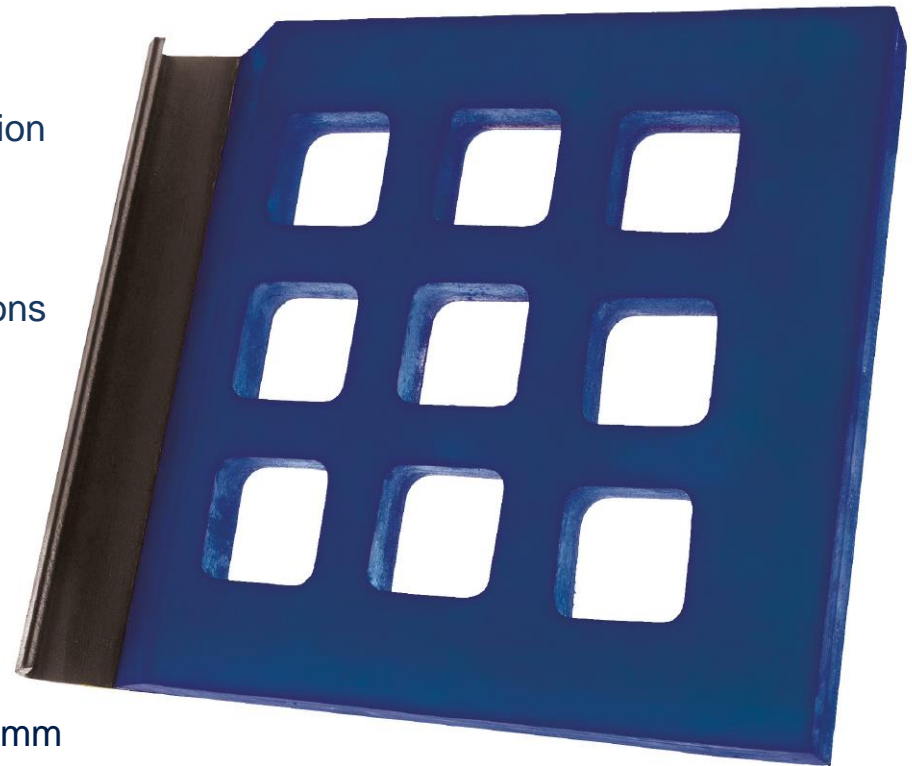
**On the following pages the
Haver Niagara screen media product range.**





TY MAX Polyurethane Screen Media

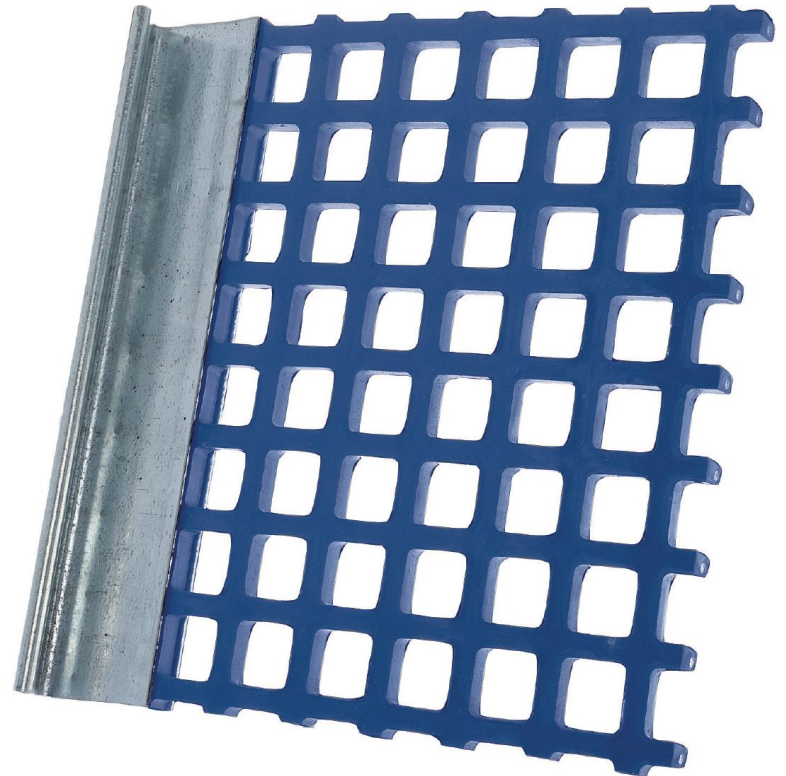
- ❑ 7 – 9 longer lifetime than woven wire
- ❑ Can be installed like wire mesh, no deck conversion and additional hardware required
- ❑ Excellent wear resistance and impact elasticity
- ❑ Resistant to heavy loads in wet and dry applications
- ❑ Tapered openings reduce blinding & pegging
- ❑ Reduce noise pollution
- ❑ Available in side- or end- tensioned hooks
- ❑ Square and slotted openings available
- ❑ Available opening widths:
Square from 1.2mm to 100mm,
Rectangular from 0.12mm x 13mm to 13mm x 57mm





TY WIRE Hybrid Screen Media

- ❑ 4 – 7 longer lifetime than woven wire
- ❑ Can be installed like wire mesh, no deck conversion and additional hardware required
- ❑ A specially developed composite material around the wire mesh offers similar properties to PU but with a larger open screen area
- ❑ Improved and safe handling through lightweight construction
- ❑ Tapered openings reduce blinding & pegging
- ❑ Resistant to heavy loads in wet and dry applications
- ❑ Reduce noise pollution
- ❑ Available in side- or- end tensioned hooked sections or modular panels
- ❑ Square and rectangular openings available in the widths:
Square from 3.2mm to 41mm,
Rectangular from 4.75mm x 25mm to 6,3mm x 19mm

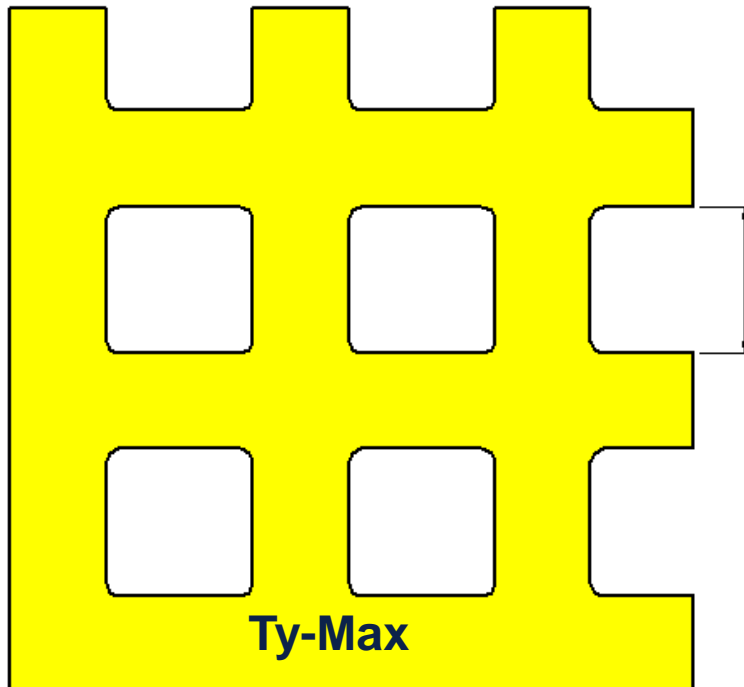




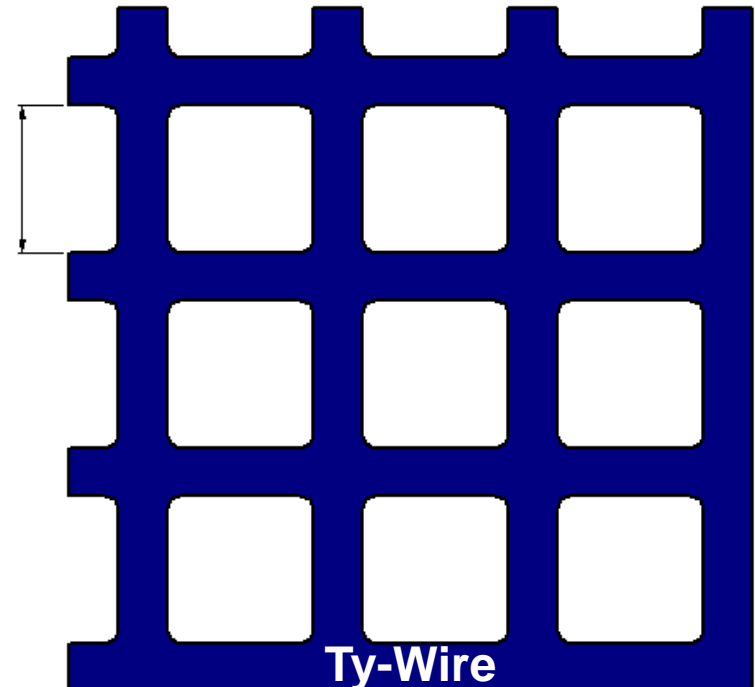
Opening vs. Open Area

Opening: the **size** of the hole – 38mm opening on both screens

Open Area: the **number** of holes – Ty-Max has 4 holes; Ty-Wire has 9 holes



38 mm
opening



Increasing the open screen area generally reduces the lifetime and reserve. A combination of these panels on the deck is a good compromise between wear and output

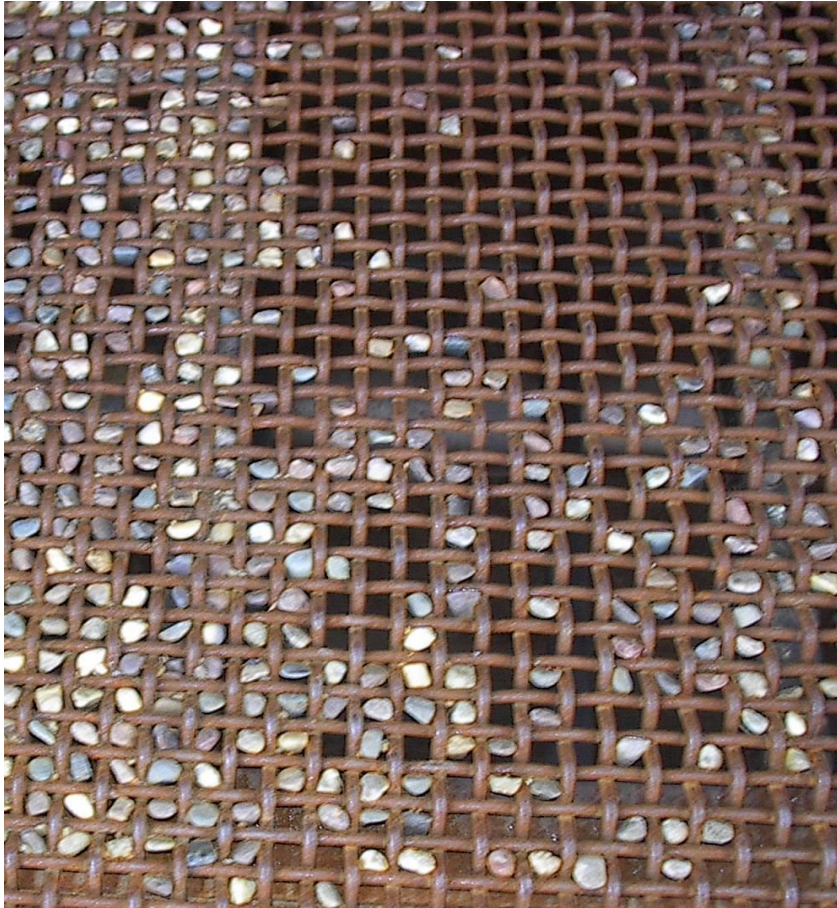


Balancing Durability and Efficiency





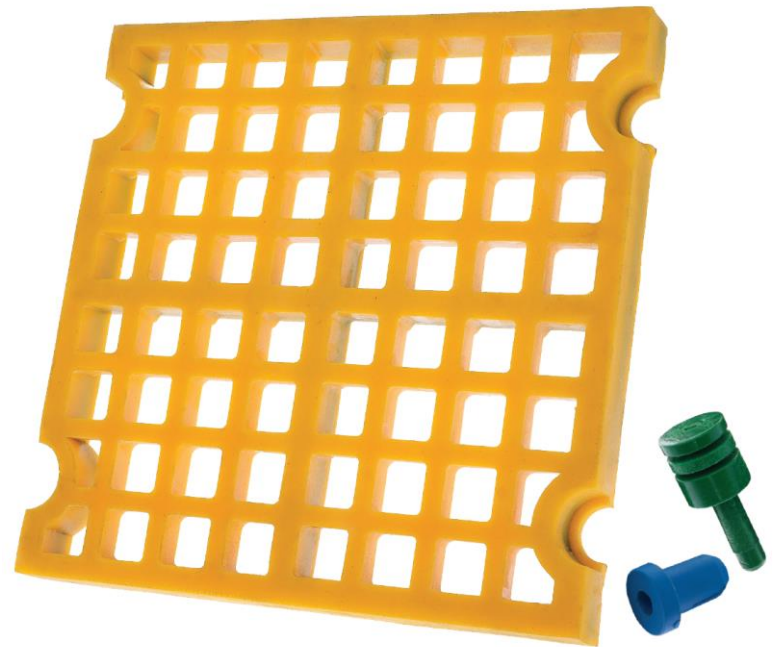
Retrofit from woven wire to TY - WIRE





TY-DECK Modular Polyurethane Screen Media

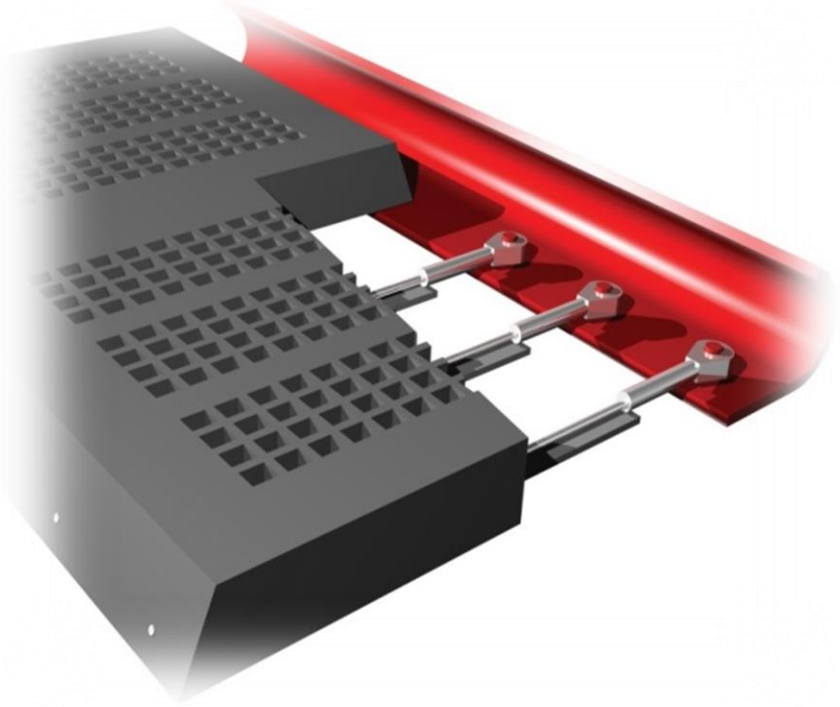
- ❑ 1 – 2 longer lifetime than injection moulded panels
- ❑ Available in different shore hardnesses
- ❑ Lightweight modular design enables easy installation
- ❑ Resistant to heavy loads in wet and dry applications
- ❑ Reduce noise pollution
- ❑ Available in the most modular hold- down systems
- ❑ Square and rectangular openings available in the widths:
Square from 2,4mm to 90mm,
Rectangular from 0,3mm x 12mm to
19mm x 102mm





TY DURA Rubber Screen Media

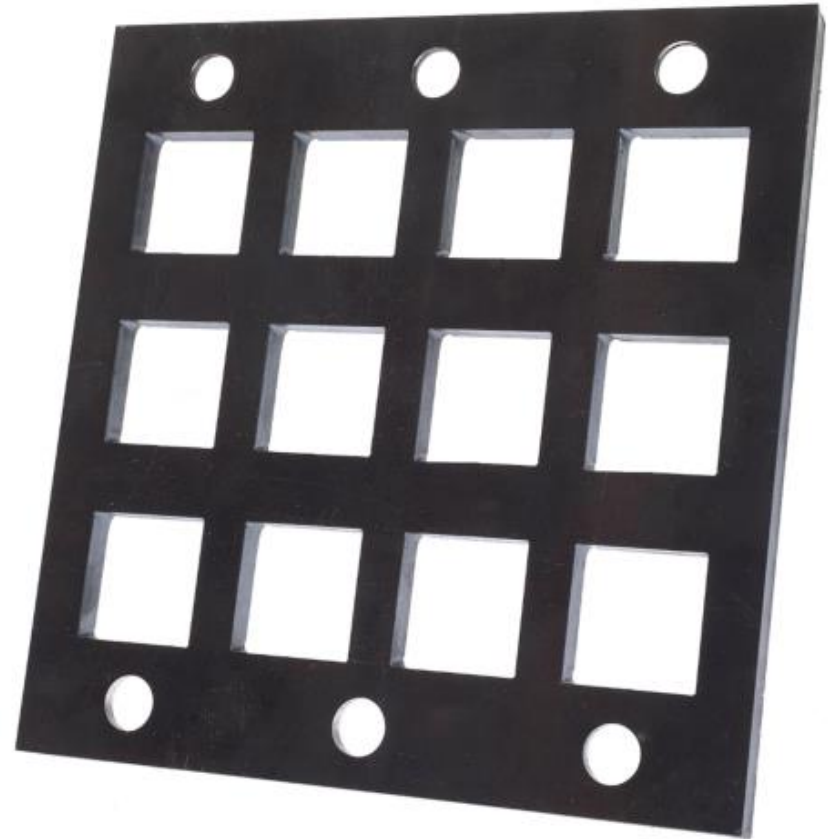
- ❑ Low wear and available in different shore hardnesses
- ❑ Can be installed like woven wire, no deck conversion and additional hardware required
- ❑ Cast-in wire, firmly connected to the tensioning bars ensures the right tension
- ❑ Tapered openings through special casting process reduce almost completely blinding & pegging
- ❑ Resistant to heavy loads in wet and dry applications
- ❑ Reduce noise pollution
- ❑ Available in both hooked screen sections and in the most modular hold- down systems
- ❑ Square, rectangular and round openings available in the widths:
Square from 3,2mm to 90mm,
Rectangular from 3,2mm x 13mm to 76mm x 152mm
Round from 3,2mm bis 90mm





TY PLATE Perforated Metal Plate

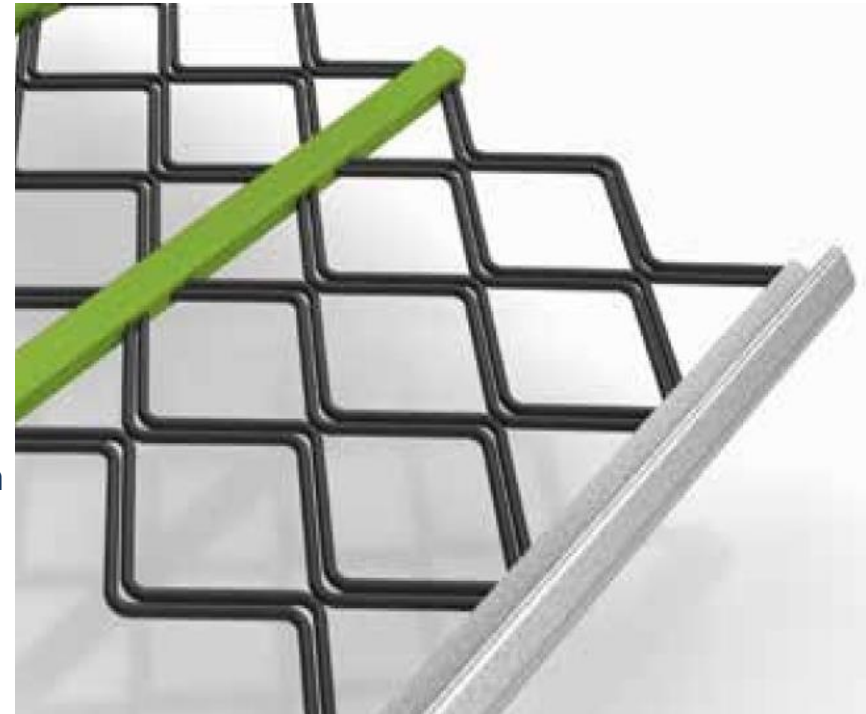
- ❑ Low wear and tear and toughness
- ❑ Square, slotted and round openings available
- ❑ Offset perforation possible
- ❑ Available in a hardness of 165 to 500 Brinell
- ❑ Available as hooked system and module variant
- ❑ Material thickness depending on the application





MAJOR *FLEX-MAT*® Active Wire Screen

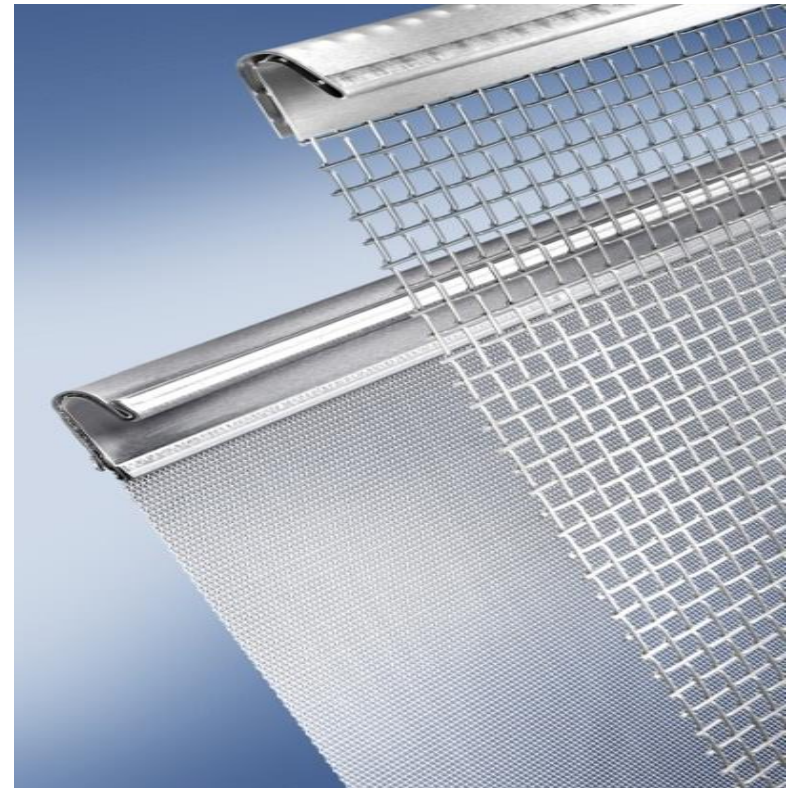
- ❑ Last up to 5x lifetime than traditional woven wire
- ❑ Up to 40% more throughput than traditional woven wire
- ❑ Classification with high selectivity
- ❑ High screening quality in pre-screening and for heavy materials
- ❑ Reduces blindness in sticky and wet materials
- ❑ Available in opening widths from 0.5mm to 101.6mm individually adapted to the respective application
- ❑ Available as hooked system and module variant
- ❑ Available in side- or end- tensioned hooks





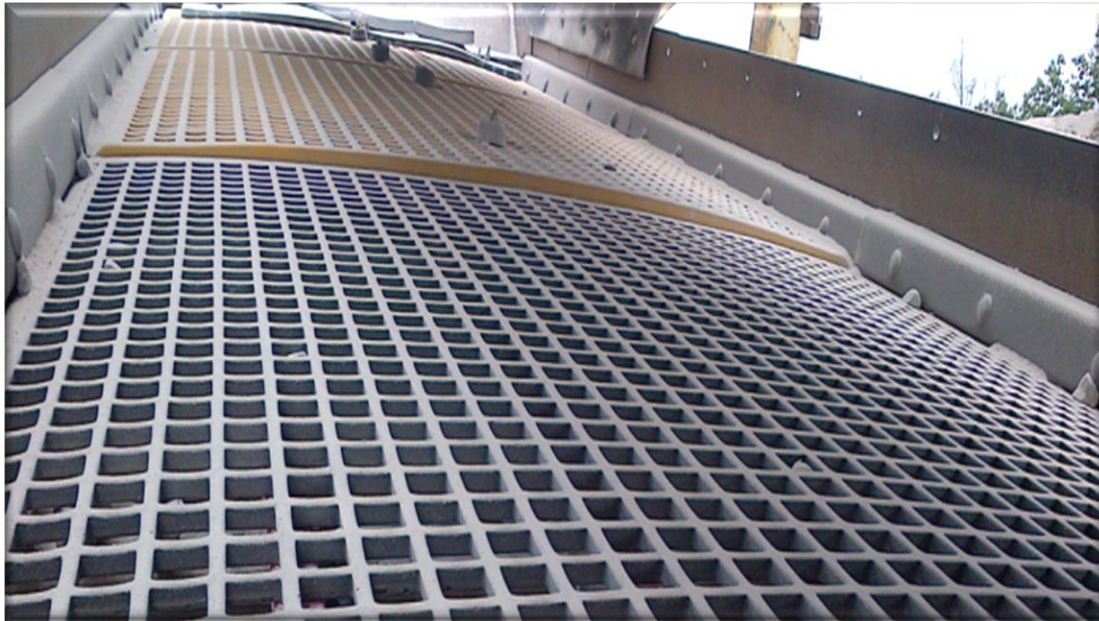
HAVER Industrial woven Wire Screen

- ❑ Available in opening widths from 0.025 to 63mm individually adapted to the respective application
- ❑ Available in side- or end- tensioned hooks
- ❑ Square and rectangular openings available
- ❑ Available in different stainless steel wire materials and wire thicknesses matched to the respective application
- ❑ Tensioning system in all variants
- ❑ Screen frames and tensioning service
- ❑ Ultrasonic technology
- ❑ Delivery on request as rolled goods, cut size or ready for made





Installation of the new screening media



After selection and adjustment to your requirements and wishes,
the new screen panels are finally installed on the screening
machine!



Thank you for your attention!



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