

Flex-Mat® 3: The Coal Industry's Revolutionary Choice In Screen Media

Flex-Mat 3 won't blind or peg, lasts up to 3 times longer than woven wire and increases production with far more open area than polyurethane.

Since it was introduced in 1996, Major Wire's revolutionary Flex-Mat® High-Performance, Self-Cleaning Screen Media has been proven in more than 9,000 coal and aggregate applications to increase production 20, 30 and even 40%. Flex-Mat delivers far more throughput in the blinded and pegged conditions typically found in coal applications. Polyurethane strips, centered on each screen deck crown bar support, allow individual wires to vibrate independently at different frequencies, preventing material from accumulating between wires as it typically does with woven wire.

Flex-Mat's unique construction allows for up to 1/3 more open area than woven wire - and even more open area when compared to polyurethane panels. And Flex-Mat 3 is very efficient for screening stoker coal.

Screening coal is tough, dirty work. Flex-Mat 3 lasts up to 3 times longer than woven wire - and still provides greater production capacity than polyurethane screens. Now Flex-Mat 3 can help you significantly reduce downtime to clean or replace screens because Flex-Mat 3 helps eliminate the blinding and pegging that plagues both woven wire and polyurethane panels.

Flex Mat 3 has had a dramatic impact in production output and costs for coal, mining and quarry operations across North America, saving thousands of dollars per screen retrofit compared to shifting to polyurethane systems.

Flex-Mat 3, the latest generation of this remarkable screen media, continues to revolutionize the industry:

- **The Industry's Broadest Range of Opening Sizes - 40 Mesh to 4"**
- **Polyurethane Strips Against The Hooks For Increased Wear Life At .135" Wire Diameter & Smaller**
- **Polyurethane Overlaps Standard On 3/8" And Smaller**

Flex-Mat's Success Establishes A New Screen Media Category

With Major Wire's introduction of Flex-Mat High-Performance, Self-Cleaning Screen Cloth in 1996, a new screen media category was born. Flex-Mat is neither woven wire nor polyurethane, but combines the raw materials in each into a unique high-performance product with no cross wires.

FLEX-MAT[®] 3
THE REVOLUTION CONTINUES



SINCE 1884

MAJOR WIRE INDUSTRIES LIMITED

FLEX-MAT[®] 3
HIGH-PERFORMANCE, SELF-CLEANING SCREEN MEDIA

IF THE STRIPS ARE LIME GREEN, YOU'VE GOT A TRUE FLEX-MAT® SCREEN

One-Third More Open Area Produces Far More Spec Product Per Hour For Coal Mines

Although Flex-Mat 3 has solved thousands of severe screening problems, it has also proven to significantly increase throughput on any screen compared to woven wire, square or slotted cloth. Flex-Mat 3 has up to one-third more open area per screen, allowing far more spec product per hour. In fact, Major Wire has many producers using Flex-Mat 3 on multiple screen decks just to gain the added tons per hour.

**MAJOR WIRE OFFERS THE GREATEST RANGE OF SELF-CLEANING
OPENING SIZES FROM 40 MESH TO 4"**

4 PROVEN CONFIGURATIONS TO MEET EVERY NEED

Works on side & end tension screens up to 175° F (80° C) temperature

FLEX-MAT® Series D (Diamond Pattern)

For precise sizing of passing material and most standard applications

Increases screening efficiency

Produces a higher-quality, more consistent product

Crimped individual wires form diamond-shaped openings

Available in OptimumWire® and stainless steel from .047" and larger

Stainless steel in .072" and smaller is recommended

Size Openings: .059" to 4" (1.5 mm to 101.6 mm) openings

FLEX-MAT® Series S (Wave Pattern)

For removal of fines to produce a cleaner retained product

To produce a high-volume dry spec product in specific applications

Reduces blinding with wet and sticky materials

Delivers maximum throughput

Not for use where retention of chips or slivers is critical

Crimped wires form waved openings

Available in OptimumWire® and stainless steel from .047" and larger

Stainless steel in .072" and smaller is recommended

Size Openings: .059" to 2" (1.5 mm to 50.8 mm) openings

FLEX-MAT® Series T (Triangular Pattern)

Larger sizes reinforced for heavy loads or high-impact materials

Used when 25% of material is 4 or more times larger than screen cloth openings

Heavy-duty construction provides long wear life

Alternating straight and crimped wires form triangular openings

Available in OptimumWire® and stainless steel from .047" and larger

Stainless steel in .072" and smaller is recommended

Size Openings: .079" to 2" (2 mm to 50.8 mm) openings

FLEX-MAT® Series T (Triangular Pattern)

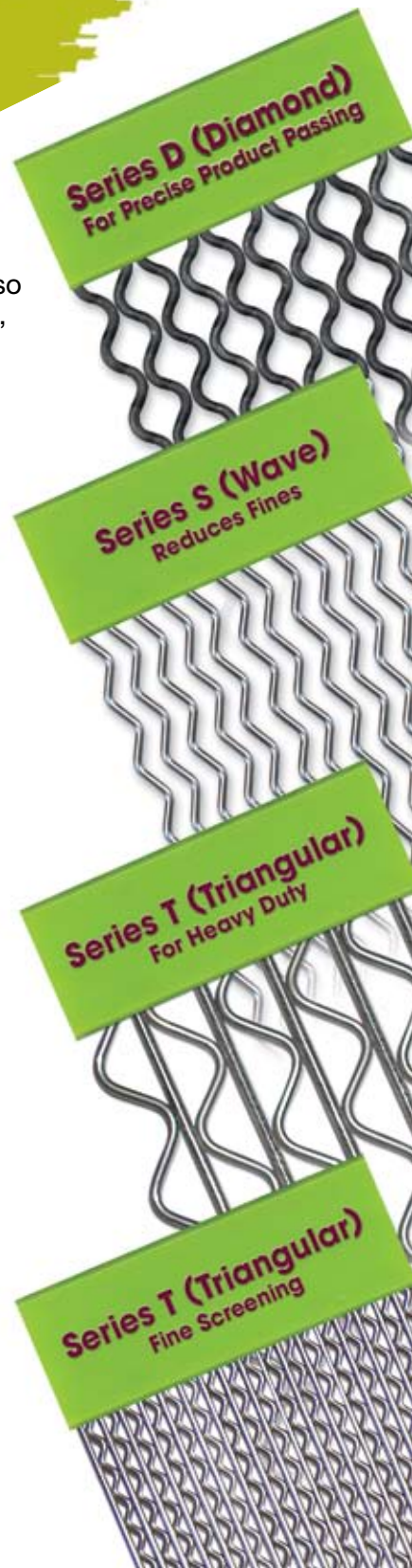
For fine screening from 40 to 8 mesh

Reduces blinding of very fine material

Increases screening efficiency and throughput

Available in stainless steel wire only

Size openings: .015" to .079" (.36 mm to 2 mm) openings



MAJOR Innovations When It Comes Down To Your WIRESM

MAJOR
SINCE 1884

ISO 9001:2000 Registered

MAJOR WIRE INDUSTRIES LIMITED

225 North Montcalm Blvd., Candiac (Quebec) Canada J5R 3L6

Phone (450) 659-7681 • Fax (450) 659-5570

www.majorwire.cc • major@majorwire.cc