

# New FLEX-MAT® 3

## The Revolution Continues In Quality & Delivery

Since it was introduced, Major Wire's revolutionary Flex-Mat High-Performance, Self-Cleaning Screen Media has been proven in thousands of applications across the world to **increase production** 20%, 30% and even 40%. Flex-Mat **delivers far more throughput** in blinded, pegged and clogged 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. And Flex-Mat lasts **up to 3 times longer** than woven wire.

Now, 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" (101.6 mm)
- The Industry's Widest Range Of Wire Diameters To Offer As Much Open Area As Possible For Maximum Throughput
- Polyurethane Strips Against The Hooks For Increased Wear Life At .135" (3.4 mm) Wire Diameter & Smaller
- Thickness & Height Of Polyurethane Strips Are Customized For Each Opening Size For Better Wear Resistance
- Polyurethane Overlaps Standard On 3/8" (9.5 mm) And Smaller
- Industry-Best Lead Times Are Now Even Shorter
- New, Highly Automated, Proprietary Manufacturing Process Increases Quality And Delivery

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

With Major Wire's introduction of Flex-Mat High-Performance, Self-Cleaning Screen Cloth, 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. This screen media has had a dramatic impact on production output for more than a thousand quarries and mining operations.

Flex-Mat 3 is the third generation in Flex-Mat's product development. The result of a significant investment in research and development by Major Wire, Flex-Mat 3 uses a highly automated, uniform and proprietary manufacturing process to replace the largely manual and labor-intensive process the industry continues to use today.

#### FLEX-MAT Applications

- |             |           |               |            |
|-------------|-----------|---------------|------------|
| • Limestone | • Stone   | • Slag        | • Top Soil |
| • Granite   | • Talc    | • Salt        | • Sand     |
| • Basalt    | • Asphalt | • Recycle     | • Coal     |
| • Gravel    | • Ag-Lime | • Green Waste | • Mulch    |

**FLEX-MAT® 3**  
THE REVOLUTION CONTINUES

**major**

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

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" (1.2 mm) and larger

Stainless steel in .072" (1.8 mm) 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" (1.2 mm) and larger

Stainless steel in .072" (1.8 mm) 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" (1.2 mm) and larger

Stainless steel in .072" (1.8 mm) 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 30 to 8 mesh*

Reduces blinding of very fine material

Increases screening efficiency and throughput

Available in stainless steel wire only

**Size openings: .020" to .079" (0.5 mm to 2 mm) openings**

**Series D (Diamond)**  
For Precise Product Passing

**Series S (Wave)**  
Reduces Fines

**Series T (Triangular)**  
For Heavy Duty

**Series T (Triangular)**  
Fine Screening

MAJOR Innovations When It Comes Down To Your WIRE<sup>SM</sup>



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