

Flex-Mat® 3 & Slag: Partnering To Create A New Revenue Source

Since it was introduced in 1996, Major Wire's revolutionary Flex-Mat® High-Performance, Self-Cleaning Screen Media has been proven to increase production up to 40 percent in more than 10,000 applications across North America and around the world. Flex-Mat 3 is the most advanced version of this innovation, offering the largest range of wire diameters and opening sizes – from 30 mesh to 4 inches – so slag producers can fine-tune production on each screen deck for dramatic improvements in throughput.

Flex-Mat 3 helps slag producers more effectively screen product by virtually eliminating blinding or pegging – and is ideal for slag that is less than 175° F. In addition to running a cleaner screen, Flex-Mat 3 has up to 30 percent more open area than woven wire – adding even more spec product per hour.

A by-product of the steel-making process, slag has a number of unique properties, depending on its composition and the way it is used. Depending on the spec product desired and the size of the original material, operators choose from either Flex-Mat 3 “D,” “T” or “S” configurations. Flex-Mat “D” consistently produces accurate material separation, while “T” is used in applications with high material impact on screens. Some slag has high sulfur content, so many operators opt for Flex-Mat 3 “S” stainless steel wire for its tough wear characteristics. Major Wire also offers a fourth option to screen slag. Its LFM™ Harp Wire uses polyurethane strips to hold the straight wires in place – allowing it to handle heavy shock loads efficiently.

Uses For Slag

- Road building
- Hot mix asphalt
- Superpave
- Chip and seal asphalt
- Asphalt aggregate
- Cement raw feed
- Concrete blocks and building panels
- Roof and railroad ballast
- Concrete masonry
- Lightweight concrete and fill
- Mag lime and ag lime

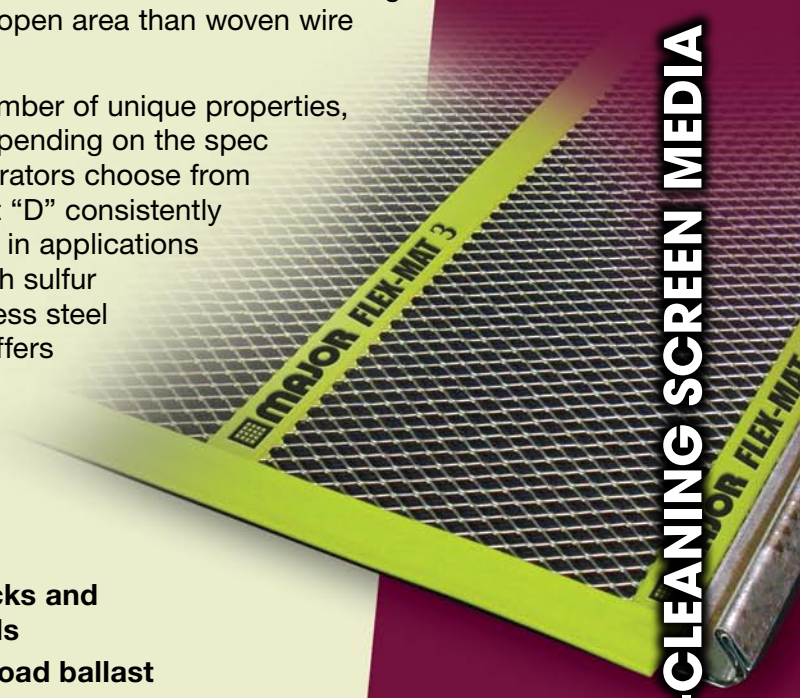
Flex-Mat's Success Establishes A New Screen Media Category

Flex-Mat 3 combines the benefits of both woven wire and polyurethane to create a unique, high-performance screen media product with no cross wires. Its polyurethane strips, centered on each screen deck crown bar support, allow individual wires to vibrate independently at different frequencies, preventing material from blinding or pegging.

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

Different Types of Flex-Mat® 3 For Your Slag Application

Flex-Mat® 3 has solved thousands of severe screening problems and has proven to significantly increase throughput on any screen compared to woven wire, square or slotted cloth. With its up to one-third more open area, many producers are now using Flex-Mat 3 on multiple screen decks to gain added tons per hour. Major Wire offers four different screen configurations that can help boost your production of slag – Flex-Mat 3 Series D (Diamond), S (Wave), T (Triangular) and LFM™ Harp Wire. Major Wire and its authorized Major Wire Dealers can help you decide which configuration will be best for your application.

**Major Wire Offers The Greatest Range Of Self-Cleaning
Opening Sizes From 30 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® 3 Series D (Diamond Pattern)

- For precise sizing of passing material
- Produces a higher-quality, more consistent product
- Crimped, individual wires form diamond-shaped openings

Flex-Mat® 3 Series S (Wave Pattern)

- Separates a maximum amount of fines, leaving a high-quality product
- Reduces blinding from wet and sticky materials
- Delivers maximum throughput

Flex-Mat® 3 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
- Fine screening configuration available down to 30 mesh

LFM® Harp Wire

- Molded polyurethane wire prevents steel-on-steel wear and breakage
- Handles shock loads better
- Individually tensioned wires maximize screening efficiency

Series D (Diamond)
For Precise Product Passing

Series S (Wave)
Reduces Fines

Series T (Triangular)
For Heavy Duty

LFM® Harp Wire
For Heavy Load Impact

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