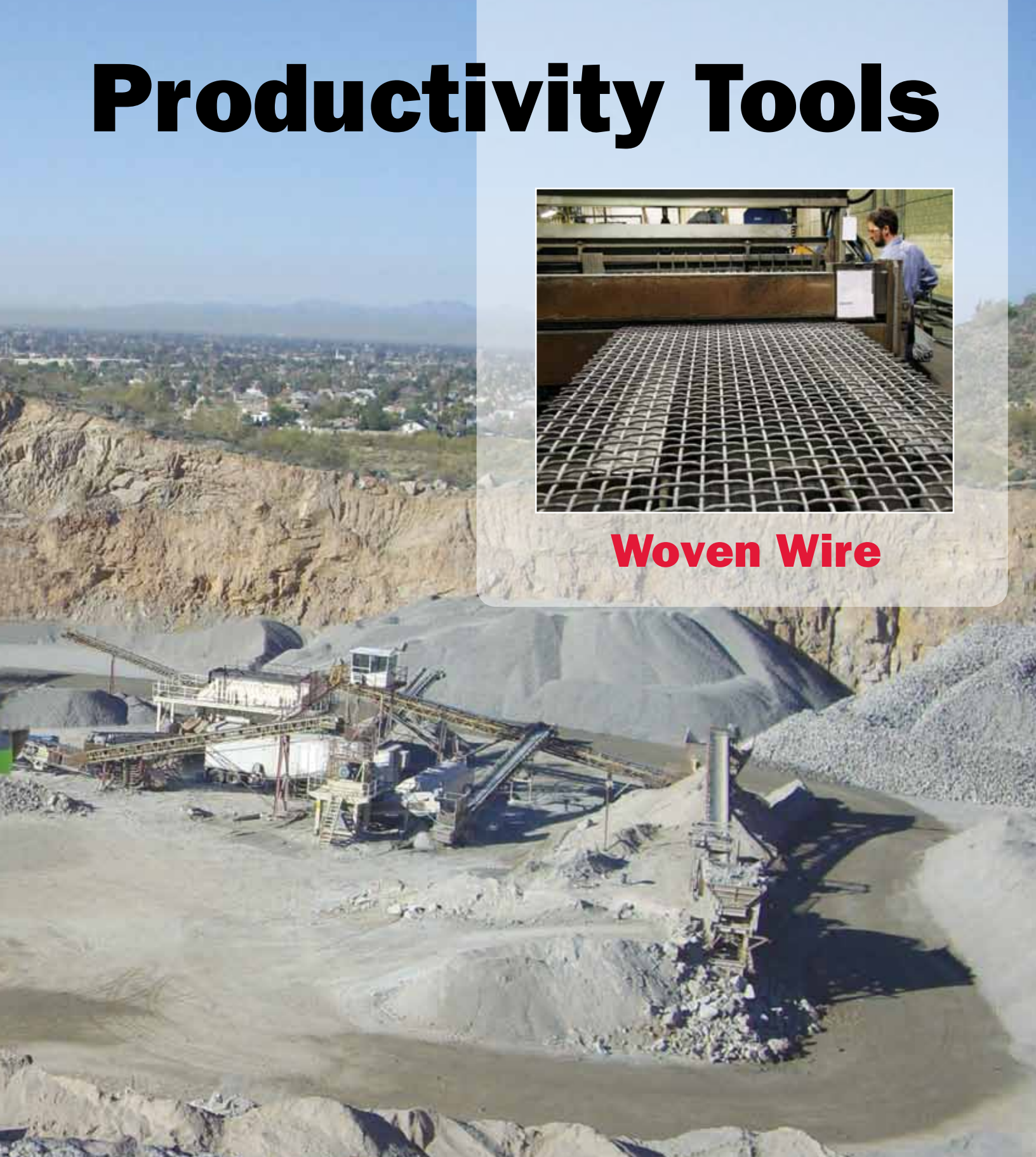


Productivity Tools



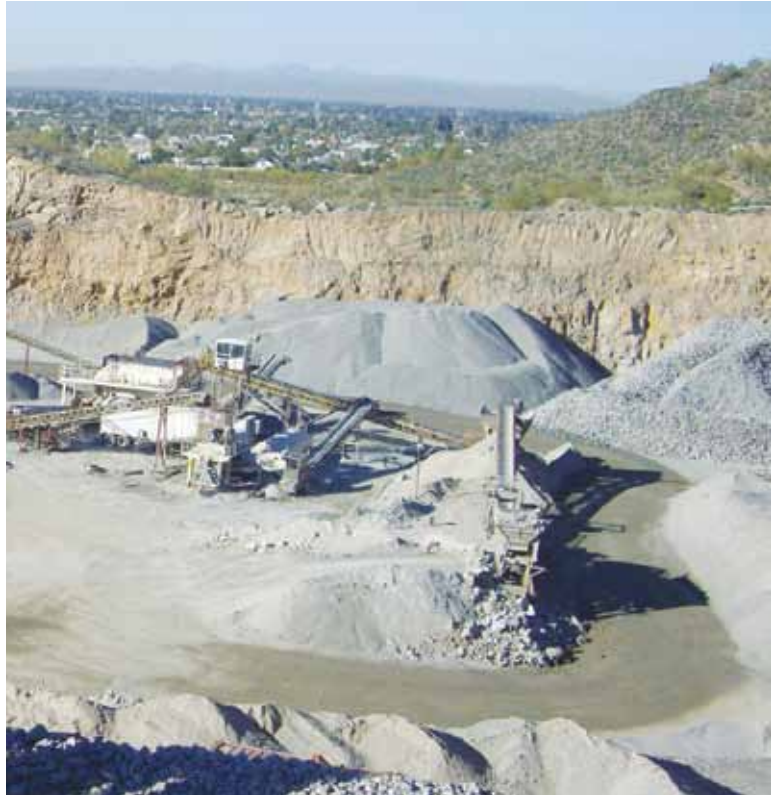
Woven Wire



Unified Wire Cloth Product Line

Cost efficiency and throughput performance have made woven wire the preferred screening material for a majority of processors. Unified wire cloth products are used for classifying materials including crushed stone, gravel and sand, metallic ores, coal, grains and other foodstuffs. Wire cloth is even used for industrial and architectural applications.

Selecting the right wire cloth material depends on the intended use. Unified manufactures hundreds of opening sizes with a variety of materials and crimp options. Wire types include high carbon, Tufflex®, oil tempered, stainless steel and many more. We also have a wide range of production capabilities, for example, water jet cutting of AR 500 in any shape up to 8 by 12 feet and thickness up to 10 inches.



Quality Wire Cloth Begins with Certified Materials

Every Unified Screening & Crushing wire cloth product begins with the highest quality wire. We buy the best wire from numerous vendors, plus specialist vendors for stainless steel, high carbon and oil tempered wire. Every vendor must provide a quality certification along with their materials consistent with the latest ISO-9001 standard so we know exactly what's going into each Unified wire cloth product.

When buying wire, we look for the best vendors. The purchasing power of Unified Screening & Crushing allows us to purchase economically and maintain large wire inventories. Large inventories also offset any shortages from vendors, so we can weave and deliver Unified wire cloth products whenever you need them



Wire Cloth

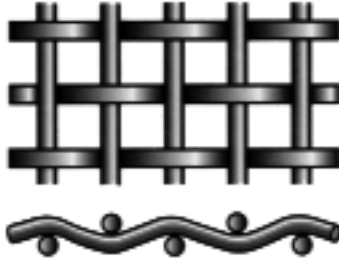
Selecting the right weave helps ensure efficient screening of materials.

Weave Styles

Efficient screening of materials requires the right weave. Unified Screening & Crushing has one of the largest selections of weave styles available. Our wide selection of weave styles means you'll find the right design for your screening application: Aggregate production, mineral sizing, grain drying, traveling water screens, power plant applications, livestock flooring and many others. Select from the weaves shown here, or call for information on special fabricated screens.

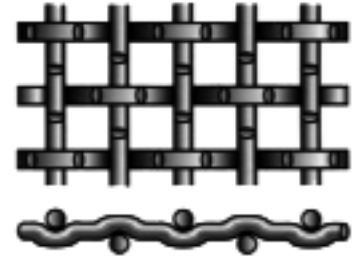
Double-Crimp

A smaller opening weave style. All around efficient and long-wearing performance in a variety of applications.



Loc-Crimps

A larger opening weave style for scalping and heavy applications. Wire is locked in place for long wear and accurate opening sizes for the life of the screens.



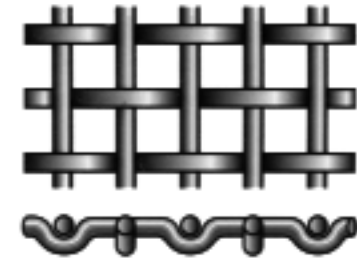
Slotted Openings

Single-shute oblong openings solve minor blinding problems for better flow.



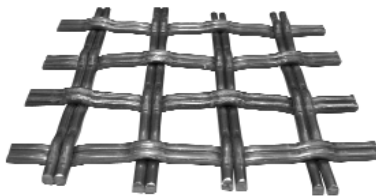
Flat Tops

May improve material flow with flatter surface than other weaves.



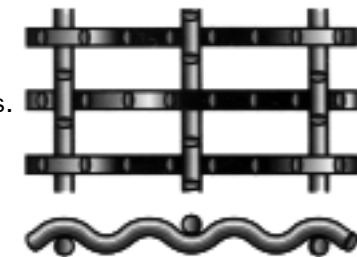
TwinWire

Designed for high impact, top deck applications. Typically used for 1.5" openings and larger.



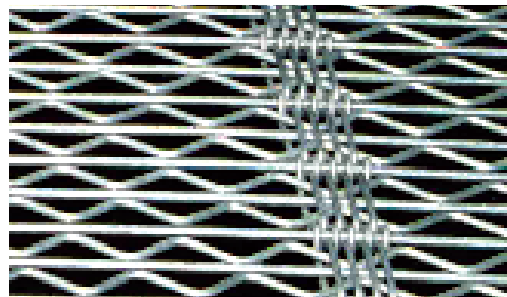
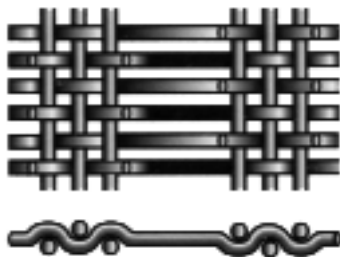
Intercrimp

Great choice for a wide range of slotted openings. Extra crimps provide locking and tightness for light wires in openings.



Tri-Loc/Tri-Mesh

Long openings help keep sticky or wet material flowing freely. The Tri-Loc weave holds wires securely yet permits slight vibration to keep openings clear.

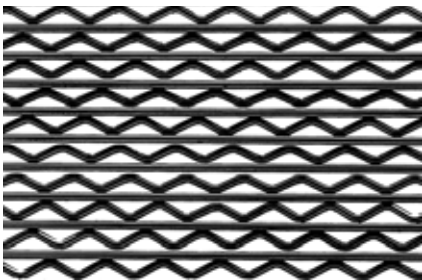


Unified's W-Style Screen
SuperFlow is also available
(SuperFlow has urethane cross supports).

Wire Cloth Clean Screens

Unified's Clean Screens are high-quality, non-blinding screening surfaces made from crimped wire. The wires in these screens vibrate independently of each other. They're an ideal choice when you need to greatly reduce plugging and blinding and still maintain sizing.

- Custom manufactured in three basic styles.
- All types deliver higher production rates by combining high percentages of open area (compared to square opening wire mesh) with the action of vibrating wires.
- All products available in oil tempered, Tufflex® and stainless steel wire. Can be hooked with any edge style to fit all screening equipment, stationary or portable.
- Separates flakes and slivers from finished product while greatly reducing problems like plugging and blinding.



W Style

W-Style Screens

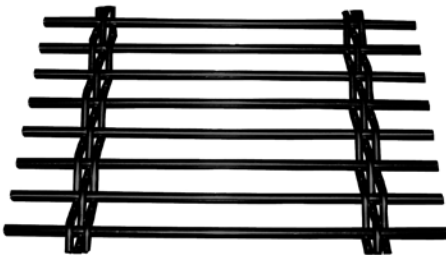
- Alternating straight and formed wires vibrate at different frequencies (harmonic effect) to clean the screening surface
- Triangular-shaped openings for accurate sizing
- Resilient to damage from oversized material



D (Diamond) Style

D-Style Screens

- Diamond-shaped openings for accurate sizing
- Accurately sizes dry or damp material
- Also available in high carbon wire
- Style weave pattern provides the most accurate and consistent sizing



T Style

T-Style Screens

Unified's T-slot screens are an affordable alternative to high-cost piano wire screens.

- Uncrimped tension wires
- Clusters located to cover screen deck support bars
- Almost any wire size and opening combination available — call for details

Wire Cloth

High Carbon Steel Alloys

High tensile crimping quality spring steel wire.

High Carbon - Abrasion-resistant, hard drawn, high carbon wire that can withstand repeated impact from heavy objects. It's recommended for use when material to be screened is heavy and bulky, but moderately abrasive. High carbon is the least expensive wire choice.

Tufflex® - Unified's Tufflex has been tested and proven to be superior to oil tempered wire. It offers greater ductility (flexibility) and tensile strength. In some applications, Tufflex wire wear life exceeded oil tempered by two times the wear life.

Oil Tempered - Much of the oil tempered wire in the marketplace uses the old line atmospheric method of tempering. Unified's induction tempering process tempers wire consistently throughout the strand, producing a superior oil tempered wire. The higher tensile strength with increased ductility produces screen cloth with high impact resistance and longer fatigue life.

Other Metals and Alloys

Inconel - Inconel wire cloth includes high nickel chromium Inconel alloy 600 for good oxidation resistance at temperatures up to 1,800°F.

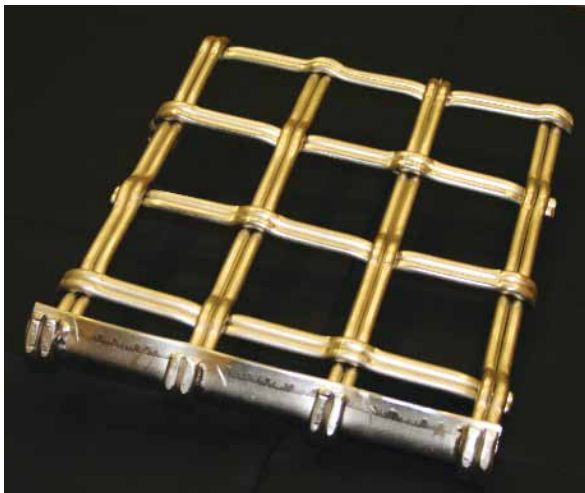
Monel - Monel alloy 400 is a nickel-copper alloy used in food processing and other applications that require high strength and excellent corrosion resistance to a wide range of materials.

Copper - Excellent electrical and thermal conductivity plus good corrosion resistance, formability and strength.

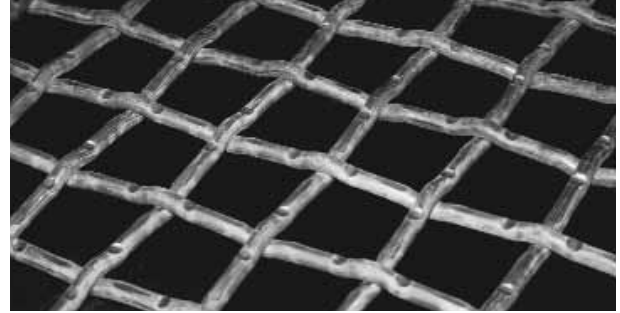
Aluminum - Our aluminum alloy contains magnesium, manganese and chromium.

Manganese - Unified's 14% manganese alloy handles extremely high abrasive conditions.

Unlimited combinations of wire types and unique designs are available.



The proprietary "TwinWire" screen by Unified Screening & Crushing



Low Carbon Steel Alloys

Note: These products are not generally used for aggregates or in mining.

Plain Steel

Unified's plain steel material is woven with a low carbon wire for lower abrasion applications.



Galvanized Steel

Galvanized low carbon steel wire provides corrosion resistance for lower abrasion applications in corrosive environments.

Welded Mesh

Typically manufactured from ferrous materials including stainless steel T304 and T316, plain steel and galvanized steel. The wires are resistance welded at the intersections with all of the long wires in one plane and the cross wires in another plane.

For more information click here

866-968-3697
www.unifiedscreening.com