### " 🏻 uses the Right Weave.

We have one of the largest selections of weave styles available. More weave selection means better designs for special needs. 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 us for information on special fabricated



This specification is also referred to as "Vibro Type Weave" Efficient and long wearing in a variety of applications providing level, smooth surface, the smooth weave employs a type of rigidity interlocked crimp that nsures maintenance of accurate uniform openings. When used in the correct application, because of the level weave, there is considerable reduction of friction from material

passing over the screen and, in many cases, far less wear from abrasion than in screens made with surface crimps.

Lock-Crimp

Tri-Loc

Long openings will keep sticky of

wet material flowing freely.

Weave holds wires securely ye permits slight vibration to keep openings clear. This specification

is often called "Triple Shoot".

For light to medium wire relation to screen opening size Wire is locked in place for long wear and accurate screen openings for the life of the screen. This specification is also referred to as "Scalping Weave". Generally used in extremely heavy screen cloths and those with relatively small openings.



### Flat-Top

nproves material flow with latter surface than other weaves. Lock weave maintains accurate openings. Also called "Smooth-Top". Most efficient weave for heavy-duty screens

when ratio between width and wire diameter permits its use. As a general rule, opening width should be at least 5 times the wire diameter. It is extremely durable because each wire is locked in place to maintain accuracy of openings for the life of the screen.



# Intercrimp

When open area is important. Extra crimps provide locking and tightness for light wires in relation to the large openings Also referred to as "Intermediate



## Introduction

We at the **KAMALA GROUP** would like to introduce ourselves as one of the leading manufacturers and an integrated source of procurement, engaged in the manufacturing of Woven Wire Screen Cloth and Perforated Sheet Panels since the last three decades.

We are a global industrial group with advanced products and cater to the various demands of the vivid customer profile ranging from Mining to Infrastructure, Steel Plants to Sponge Iron Plants and Cement to Construction. Our companies are ISO certified.

We manufacture Woven Wire Screen Cloth and Perforated Sheet Panels for various types of Crushers, Asphalt/Batch Mix Plants, Screening Plants ranging form various Original Equipment manufacturer and Infrastructure/Construction companies having their operations in India and Abroad.

Woven Wire Screen Cloth are specially manufactured for extremely rugged operating conditions in scalping, sizing or processing heavy abrasive materials such as ores, crushed stones, sand, gravel, metallic and non metallic minerals, coal slag etc.

We are one of the specialized manufacturers of Industrial Woven Wire Screen Cloth and Perforated Sheet Panels of taut screening surface for sizing and straining in India. It is this quality of Strength and Free Screening over other media which make them ideal for a very wide range of sifting and separating applications.

### **Our Capabilities**

Screens are woven accurately to any mesh size and of any diameter wire to meet your specific requirement. We have got a capacity to manufacture screens in the following range:

Opening	:	0.2mm to 100mm
Wire Dia	:	0.1mm to 12mm
Width and Length	:	As per your requirements
Edge Preparation Type	:	K1, B1, N, WM, K3
Clamp Bend Type	:	'C' 'U' and 'S' type
IS Standard	:	IS-4454 Grade – I
Quality of Wire	:	Spring Steel, High Carbon steel,
-		MN-65, Stainless Steel, G.I. etc.

Our experience and highly skilled engineering for various applications has earned an enviable reputation for solving screening problems. Continued technological advances have enabled us to quickly deliver standard and specialorder screening products.



## Hi-Speed / Frequency Screen Mesh

More<sup>®®</sup> High Speed Screen is most effective for Fine Screening application with Low Amplitude.

High Slope at the feed end enables the material to move faster and fines pass through the sieve meshes guicker to allow stratification by the separation of large particles from fine ones. The inclination is less in the middle and discharge Section, which reduces the transport speed in the sections a good Separation Achieved.

The Hi-Frequency Screens are available in Spring Steel and Stainless Steel material for separation of 1mm to 2mm fractions below (-) 6mm product. These meshes also come with side rubber beading fitment to prevent fall of material from one deck to another.

## **ADVANTAGES**

- 1. It is very efficient screen when there is high Content of fines in the feed.
- 2. Very Compact Screen Easy to Install.
- 3. Improved Efficiency in Sizing Material due to formation of a thin Bed Depth.





## Benefits of "Screen More"®

- 1. The Right Wire for Your Application. We have a vast amount of experience in matching all the variables of the woven wire screen cloth to your specific production requirements. We design and manufacture in stainless steel, high carbon steel, High Tension Spring Steel or any Ferrous & Non – Ferrous Metal. No matter what the material requirements, we make wire screens strong, durable, and economical.
- 2. Precision Crimped, Tightly Woven, Accurate Sizing. We perform crimping and weaving operations on special crimpers and power looms. These machines give our wire cloth uncommon accuracy of openings and tightness of weave.
- 3. Precision Cut and Formed for Better Fit. Innovative forming and cutting techniques produce wire cloth with true dimensions and edges. That makes installation on your screening equipment easier, and gives the wire cloth longer life. Many designs reduce material blinding and plugging. Openings maintain precise oversize material tolerances, even across the junction of two screens. Oversize material won't get through.
- 4. Tensioning on the Shallow Crimp. Screen cloth is usually made with a shallow crimp wire in one direction and a deep crimp wire in the other direction. Whenever possible, we edge each screen so you'll be tensioning on the shallow crimp wires. This feature reduces the chance of excessive stretch in the panel. It guarantees less flexing and uncontrolled vibration, which can cause premature failure.
- 5. Fine mesh panels use high quality woven wire cloth to ensure accurate openings and maximum wear life. Our unique hook designs keep the panel evenly taut at all times, the key to efficient screening.



# Types of Various Edge Preparations





Hooked edge with metal sheet 45° to 60°



Folded U-hook



Welded U-hook







# Self Cleaning Screens

### Harp-S

**These harp screens are manufactured using** Lengthways horizontally crimped wires create approximately square holes, which allow relatively precise sorting even for grains of flat or spiky shape. Its self-cleaning ability is created by the oscillation of the longitudinal wires. Ideal for sorting of dry and wet difficult separable materials with spherical or cubic grains of a flat and spiky shape. The crimped wires are set to form an almost square normally used where the feed material contains **under** 10% of 5 times the aperture size

Harp-L

These harp Screens are manufactured with Horizontally Crimped and Straight Longitudinal Wires Triangular holes are made by means of lengthways horizontally crimped and straight wires. The screen construction does not allow over-tensioning during the assembly. These screens can hold higher layer of material and ideal for sorting of large volumes of dry and wet difficultly separable materials with spherical or cubic grain shapes and also flat or spiky shaped grains. The crimped wires are set at an angle of 90 degrees giving apertures that are almost triangular. Normally used where the feed material contains over 10% of 5 times the aperture size.





Harp-S Screens

#### Easi-clean features

Harp-L Screens

- INDIVIDUAL WIRES VIBRATE INDEPENDENTLY AT DIFERENT FREQUENCIES PREVENTING MATERIAL FROM ACCUMALATING BETWEEN WIRES.
- 1/3 MORE OPEN AREA THAN SQUARE MESH AND PRODUCTION INCREASES OF UP TO 40% HAVE BEEN ACHIEVED.
- STANDARD TYPE FOR HIGH IMPACT OR ABRASIVE MATERIAL.
- DIAMOND TYPE OFFERS MORE PRODUCTION ON LIGHTER MATERIAL.
- COMPLETE RANGE OF APERTURES
- ANY HOOK STYLE



Hooked edge Welded 45° to 60°



Welded insert 45° to 60°





SHEET THICKNESS 3M.M TO 8 M.M. K5 30° TO 75° CAN BE MADE 28 M.M. WIRE DIA 8M.M. TO 16 M.M.



## Harp Screens with Straight Wires and Polyurethane Reinforcement

Lengthways straight wires and enlacements form long rectangular mesh; self-cleaning ability is created by the oscillation of the lengthways wires avoiding the screen choking and due the large free open area the screen has high sorting performance but a shorter lifespan. Ideal for sorting of dry and especially wet, highly argillaceous and other difficult materials with spherical or cubic shape grain.





# **Technical Details**





Works :

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# Rubber Moulded Screen

A rubber screening media of soft rubber with punched openings, primarily for fine screening in difficult conditions. Screening media allows for many deck configurations. The model gives great flexibility. Individual banels can be easily replaced for reasons of wear or in order to change whole size. In order to produce the highest quality aggregates products, you need to use the very best in screening media. Thoroughly tested, the Screening Marce media has been developed to give you high capacity and the best screening accuracy. Its installation is straightforward, does not require any screen modification and therefore minimizes downtime.

Thickness of Rubber : 3mm to 65mm Technicals: 60 shore hardness with a fibre reinforced rubber

### **Tangible benefits**

More Accurate Screening : The risk of material migrating is reduced through the trapezoidal shape of the panel, giving a staggered whole pattern and joints between the panels that do not run parallel with the screen side plates. The side protection is wedge shaped to allow for minor adjustment in width, and also to prevent material migrating along the sides of the screen. The result is more accurate screening and less misplaced particles in the end product.

**OPTIMIZED SCREENING ACCURACY :** To optimize screening accuracy, the screening media utilizes a fibrereinforced rubber screen membrane which enables thinner panels and closer aperture spacing. This results as well in a maximized open area. Furthermore, by elevating the screen panels from the longitudinal support bars, the screen panels can be fully perforated from side liner to side liner. The absence of blind fields in the directional flow of material makes sure of maximum material separation, and minimizes the amount of undersized particles "carry-over" in the end product.

**HIGHER CAPACITY :** The anti-blinding system screens accurately even the most difficult-to-screen materials at exceptional capacities. The key to this is a patent pending production technique and pioneering design resulting in an open area in production which is more than that in other modular media, thereby ensuring a higher.



MINIMIZED DOWNTIME : In order to consistently produce the highest quality materials at high levels of production, it is essential that the screening media minimizes any operational downtime. The long lasting rubber and polyurethane materials used to make screen panels extend service intervals and minimize downtime. The screen panels have a built in cross-beam protection lip which, together with support bar rubber capping, protects the adapter system against wear. When it is finally time to replace the screen panels, the wedge locking them into place is quickly removed and reinstalled, keeping the change-out time at a minimum. The absence of steel reinforcement makes the system light, reducing the stress on the screen and bearings which further reduces the risk for unplanned production stops.

## Material Flow & Screening



Compared to the conventional method of sieving / screening through the Punched plate or Bent Rod, Woven wire mesh & Rubber screen mesh have proven to be more effective & Efficient.

These meshes provide more open area there by giving more screening capacity. With the usage of High quality metal & rubber, these meshes give more accuracy & last long giving higher productivity with improved quality

