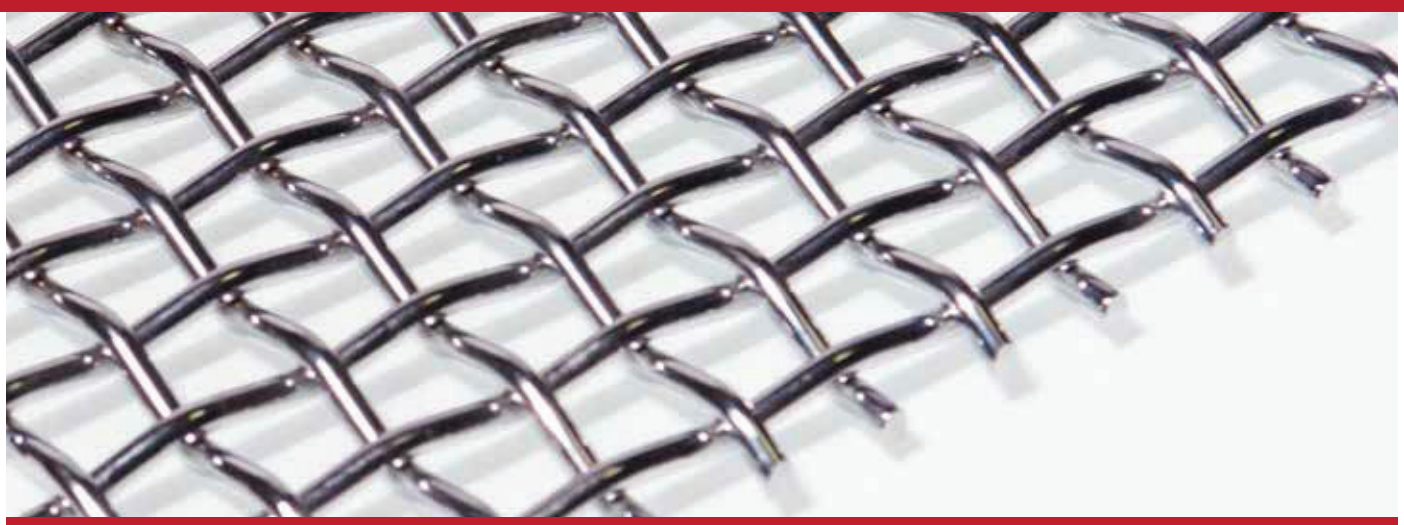
EYDE SCREEN MANUFACTURING



WIRE SCREENS WITH SQUARE OPENINGS

MAXIMUM UNOBSTRUCTED AREA

Wire screens find their wide application in many areas of industry, where they can be used for screening of loose materials, drainage or drying. Their advantage is the maximum possible unobstructed area and stability of the mesh, which guarantees outstanding performance of the sorter while maintaining the accuracy of screening.

SCREENING accuracy

POSSIBILITY to supply with or without tensioning folds

SUITABLE for dry and wet screening

Fields of application

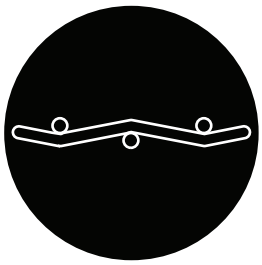
Guarries, gravel pits, mines, recycling, industry

Dimensions supplied

Can be supplied in rolls or in formats, with or without tensioning folds. Wire screens with folds are custom made

Materials supplied

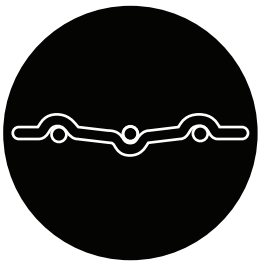
Spring steel: DIN 17223
Stainless steel: DIN 1.4301, 1.4310, 1.4541...
Manganese steel: DIN 1.0415
(only for pressure welded materials)



PLAIN WEAVE

Plain crimp is the most widely used type of separating screens, which features simple zig zag crimp in which wires intersect at every available pocket. This wire screens can be supplied in mesh sizes up to 150 mm and wire thickness up to 12.5 mm. These wires can be also supplied in rolls up to the maximum wire thickness of 3.5 mm.

Suitable for smaller fractions



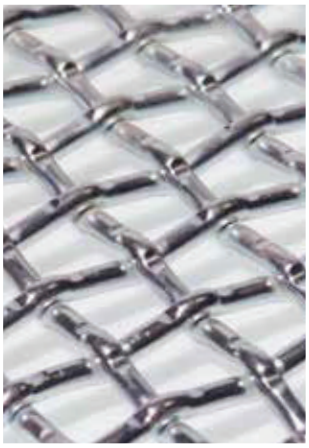
DOUBLE CRIMP

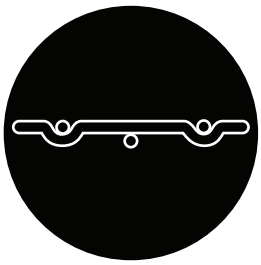
In terms of use it is the same type of screen as the plain weave crimp. Because of a greater mesh size these wires have additional double crimping before and after each intersection of the wire, to ensure a greater dimensional stability. This ensures the firmness of the entire screen, longer lifetime and especially stability of the mesh size. This wire screens can be supplied in mesh sizes up to 150 mm and wire thickness up to 12.5 mm. These wires can be also supplied in rolls up to the maximum wire thickness of 3.5 mm.

Suitable for larger fractios

•

Stable mesh





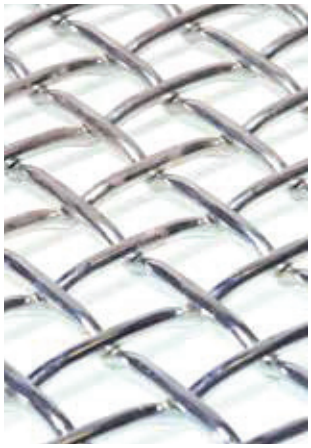
FLAT TOP CRIMPED

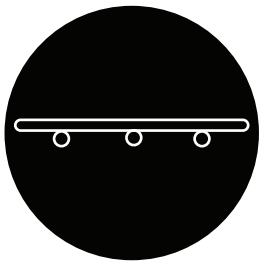
This wire screen has stronger sieve bindings, which compared to conventional wires, creates crimps only on one side of the wire. This way one side of the screen remains smooth, while the other one is wavy. As a rule, the upper side is mostly used as the operational one. These wire screens can be used as supporting screens for technical fabrics. These wire screens can be supplied in mesh sizes up to 150 mm and wire thickness up to 12.5 mm. These wires can be also supplied in rolls up to the maximum wire thickness of 3.5 mm.

Suitable for larger fractions

•

Longer lifetime





PRESSURE WELDED

These wire screens are used for sorting of large fractions of loose materials with the requirement for a longer lifetime, durability and the use of thicker wire, which the weaving technology does not allow. Wires made of wear resistant manganese steel are pressure-welded at the intersections, which guarantees the exact size of the mesh and extremely solid structure. This wire screens can be supplied in mesh sizes up to 150 mm and wire thickness up to 20 mm.

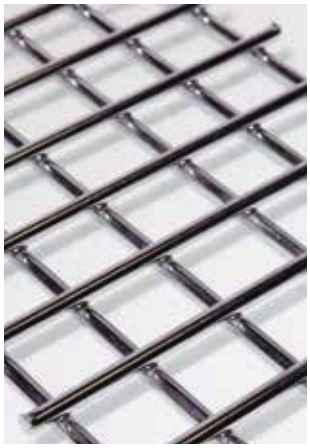
Suitable for larger fractions

•

longer lifetime

•

stable mesh



EYDE SCREEN MANUFACTURING

HARP AND FINGER SCREENS

SELF-CLEANING EFFECT

These screens are a specific type of screen used mainly for screening dificult to sort materials, especially effective with humid and abrasive materials. Harp screen structure is designed in such a way that the longer wires are cross linked together by a clamp at a relatively long distance, which ensures that at the screen there is created its own dissonant frequency outside of sorters oscillations, which prevents material from sticking to the screen and clogging the mesh of the sorting area.

Harp screens are supplied exclusively with tensioning folds, which are necessary for the correct operation of the screen. The screens can be manufactured in two different materials, either a wear resistant spring steel with wire or polyurethane interweavings, that increase the lifetime and efficiency of the screen even more. When ordering harp screens it is recommended to choose 10% smaller mesh size, the same as with the wire screens with square openings.

- Screening of dificult to sort materials
- Self-cleaning effect
- High efficiency

Fields of application

Quarries, gravel pits, mines, recycling industry, production of asphalt

Dimensions supplied

Screens are custom made. Can be supplied with tensioning folds as well as in formats

Materials supplied

Spring steel: STN 12050, DIN 17223
Stainless steel materials: DIN 1.4301, 1.4310

VIKING
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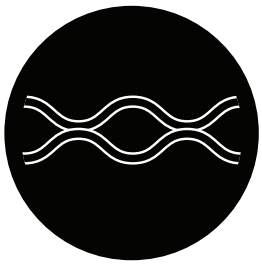
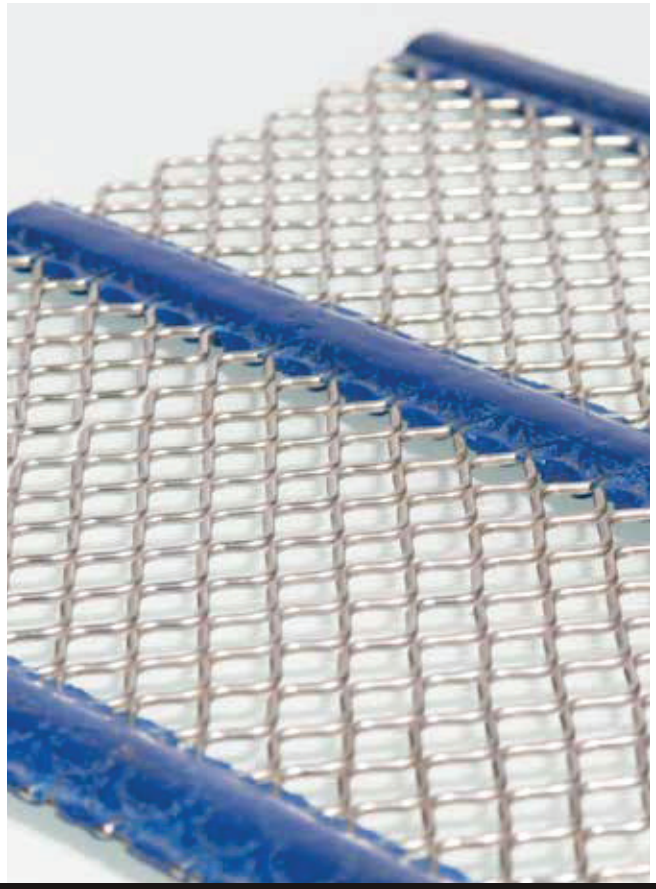
www.eydescreen.com

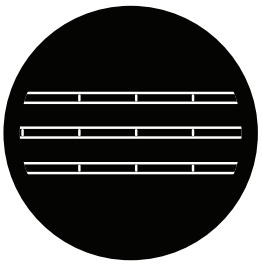


SERFESTA
Harp-screen with horizontally crimped wires

The basic characteristics of this screen is its horizontal undulation of wires that are arranged side by side and held in such a way that they form a design of a square mesh. They are used for screening of dry and wet, difficult to sort materials with spherical or cubic as well as flat and acicular grain shape.

Alternative to square mesh
•
Suitable for all types of grain
•
Wire undulation enables relatively precise screening of flat and acicular grains as well

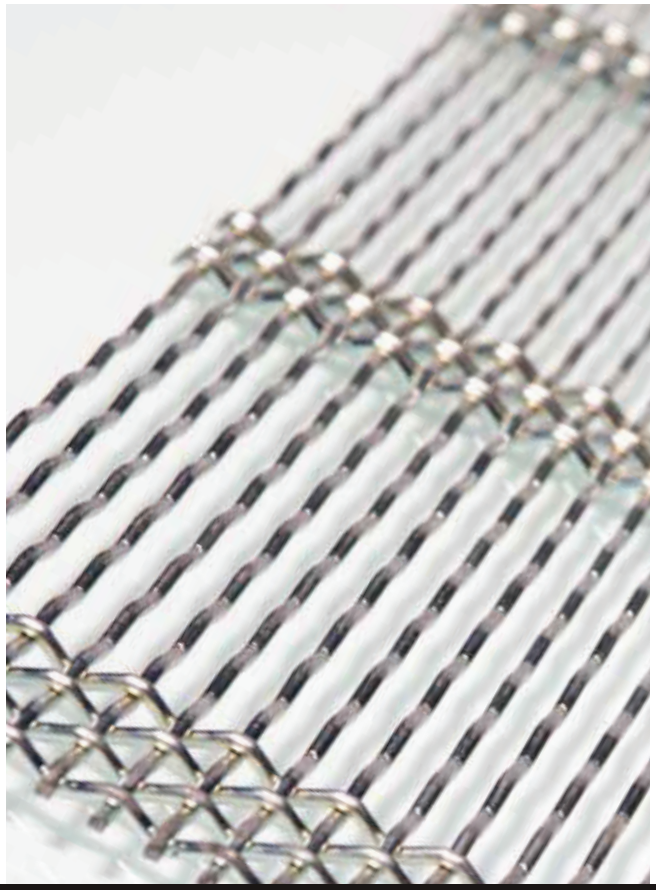


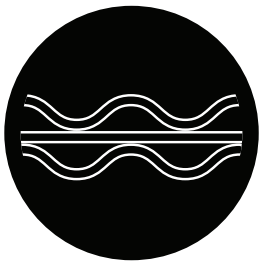


NORMAL
Harp-screen with vertically crimped wire

Harp-screen with a large open area and high permeability is used mainly for screening of wet and difficult to sort materials with spherical or cubic grain shape. Not recommended for flat and acicular materials. The screen is formed by vertically crimped wires which are interlaced transversely in certain distances creating rectangular mesh.

High efficiency and permeability
•
Suitable for screening difficult to sort materials
•
Not recommended for flat and acicular grains





DOSER

Harp-screen with horizontally crimped and straight wires

This harp-screen is suitable for screening of larger volumes of material. It consists of wires horizontally crimped and flat wires, forming triangular mesh. The flat wires take the tensioning force, while the crimped wires vibrate and in this way enable a self-cleaning effect. This screen design allows a load of large quantities of sorted materials. Unusual wire bond enables relatively high accuracy of screening at a relatively good performance.

Suitable for screening large amounts of materials

•

The design of the screen does not allow overtension

•

Suitable for all types of grain

CLEAN PURE

Harp-screen with straight wires and PU reinforcement

Very permeable type of harp-screen particularly suitable for screening of clay, loam and other difficult to sort materials with spherical or cubic grain shape. It is composed of straight longitudinal wires, which are at certain distances connected by polyurethane. The design of the screen is characterised by its large open area and high performance.

Suitable for screening loamy and clayey materials

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High performance and open area

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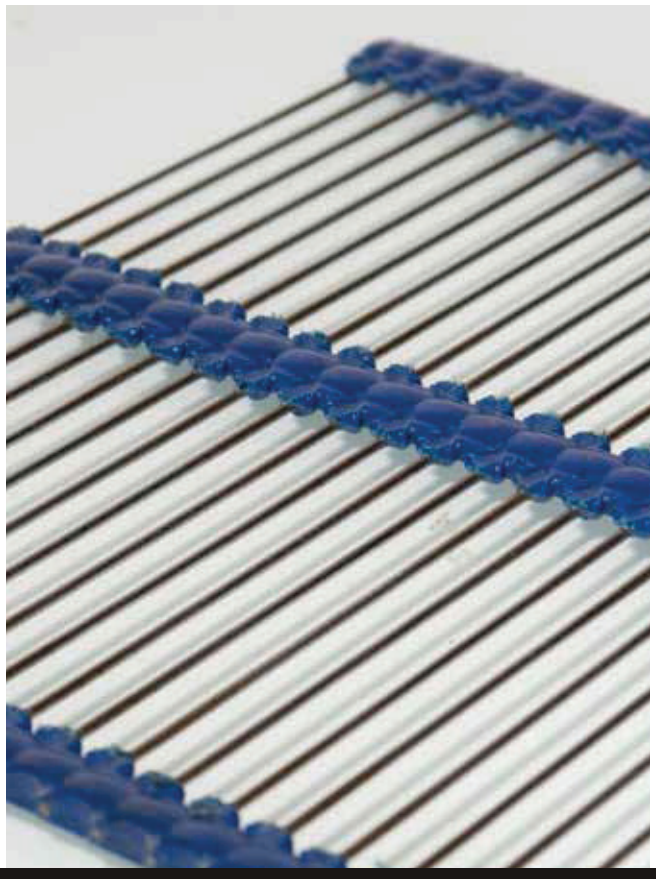
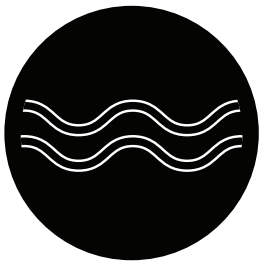
Not recommended for flat and acicular grains





ZIC ZAC

Harp-screens

A highly efficient and effective type of a harp-screen. The basic characteristics of this harp-screen is crimping of the wires horizontally and their side by side arrangement. They are used mostly in portable screen machines for screening of dry and wet, difficult to sort materials with spherical or cubic grain shape.

High efficiency and permeability

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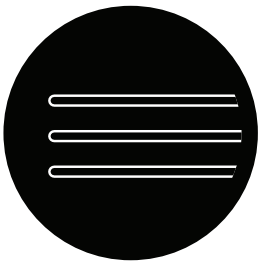
Suitable for screening difficult to sort materials

•

Not recommended for flat and acicular grains



FINGER SCREENS

Finger screens are suitable for screening of large fractions of difficult to sort materials, removal of clay and larger final fractions, screening of recycled materials, glass, etc. It is a screen with a flexibly arranged beams in a polyurethane bearing. The screen utilizes a combination of the screen machine vibrator, beams and material load owing to which achieves high performance. The screens do not clog and can be used for screening of materials with dimensions 5 to75mm using bars with a diameter of 10-20mm. The modul of the finger screen is attached in a special cross-rail, which is mounted between the side of the screen machine, while the design of the screen machine enables adjustments of the screen tilt. A modular solution of finger screens enables individual adjustment according to the width of the screen machine.

Suitable for screening and clay removal of large fractions

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Suitable for screening loamy and clayey materials

•

High performance and open area

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Not recommended for precise sorting