

# HARP AND FINGER SCREENS

## SELF-CLEANING EFFECT

These screens are a specific type of screen used mainly for screening difficult 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 difficult  
to sort materials

Self-cleaning  
effect

High efficiency



### Fields of application

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



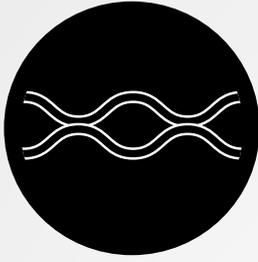
### Dimensions supplied

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



**SERFESTA**

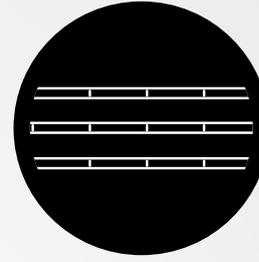
Harp-screen with horizontally crimped wires

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**

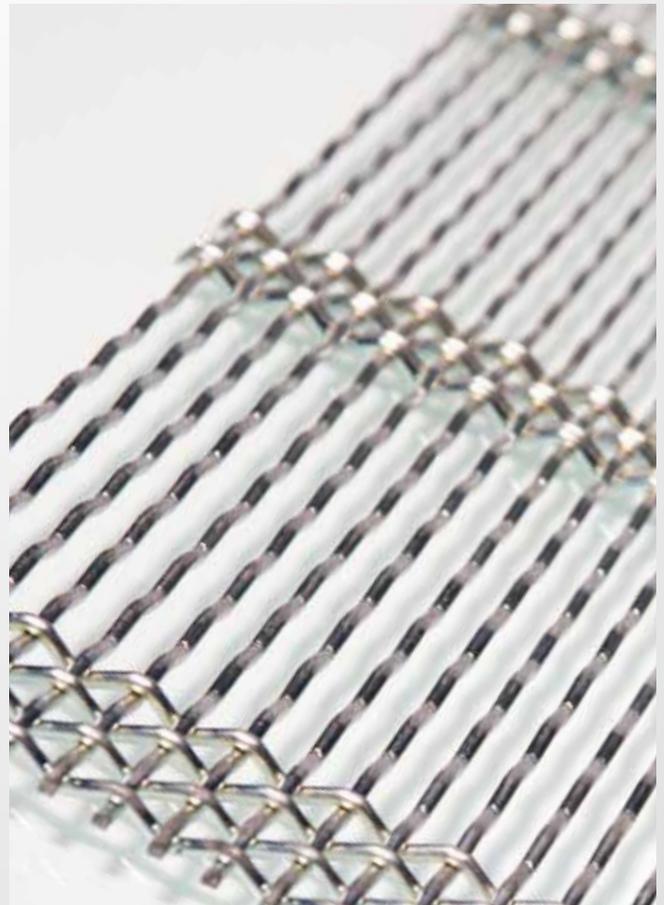
Harp-screen with vertically crimped wire

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

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Suitable for screening difficult to sort materials

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Not recommended for flat and acicular grains

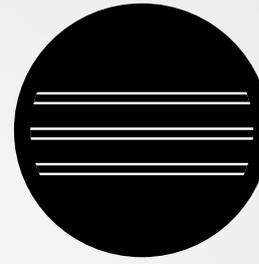




**DOSER**

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.



**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 large amounts of materials**

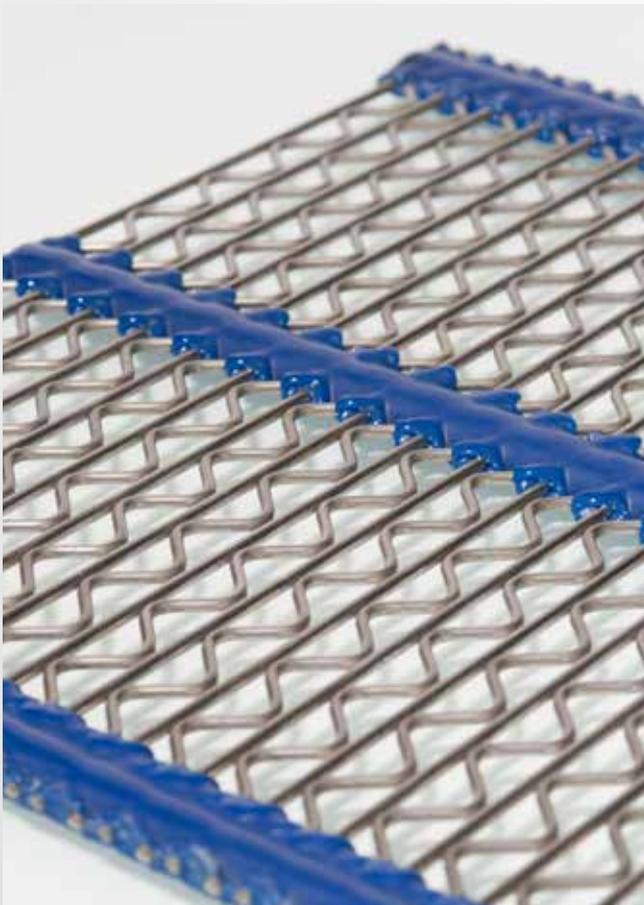
**The design of the screen does not allow overtension**

**Suitable for all types of grain**

**Suitable for screening loamy and clayey materials**

**High performance and open area**

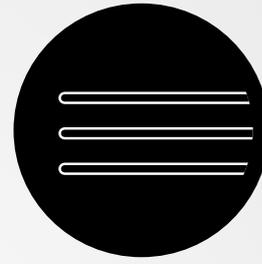
**Not recommended for flat and acicular grains**





**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.



**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 to 75 mm using bars with a diameter of 10-20 mm. 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.

**High efficiency  
and permeability**

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**Suitable for screening difficult  
to sort materials**

•  
**Not recommended for flat  
and acicular grains**

**Suitable for screening and clay removal  
of large fractions**

•  
**Suitable for screening loamy and clayey materials**

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**High performance and open area**

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**Not recommended for precise sorting**

