

EFFICIENT **SCREENING** USING TRAMPOLINE EFFECT

DESIGNED FOR PROBLEMATIC MATERIAL

The new "Flip-Flow" elastic mesh screens type SN-FF with polyurethane meshes are designed for the screening of problematic materials. This could be due to excessive moisture, low density or materials with a tendency to get caught in the meshes. In particular materials which cannot be screened efficiently with other technologies such as rotary screens, conventional vibrating screens, etc.

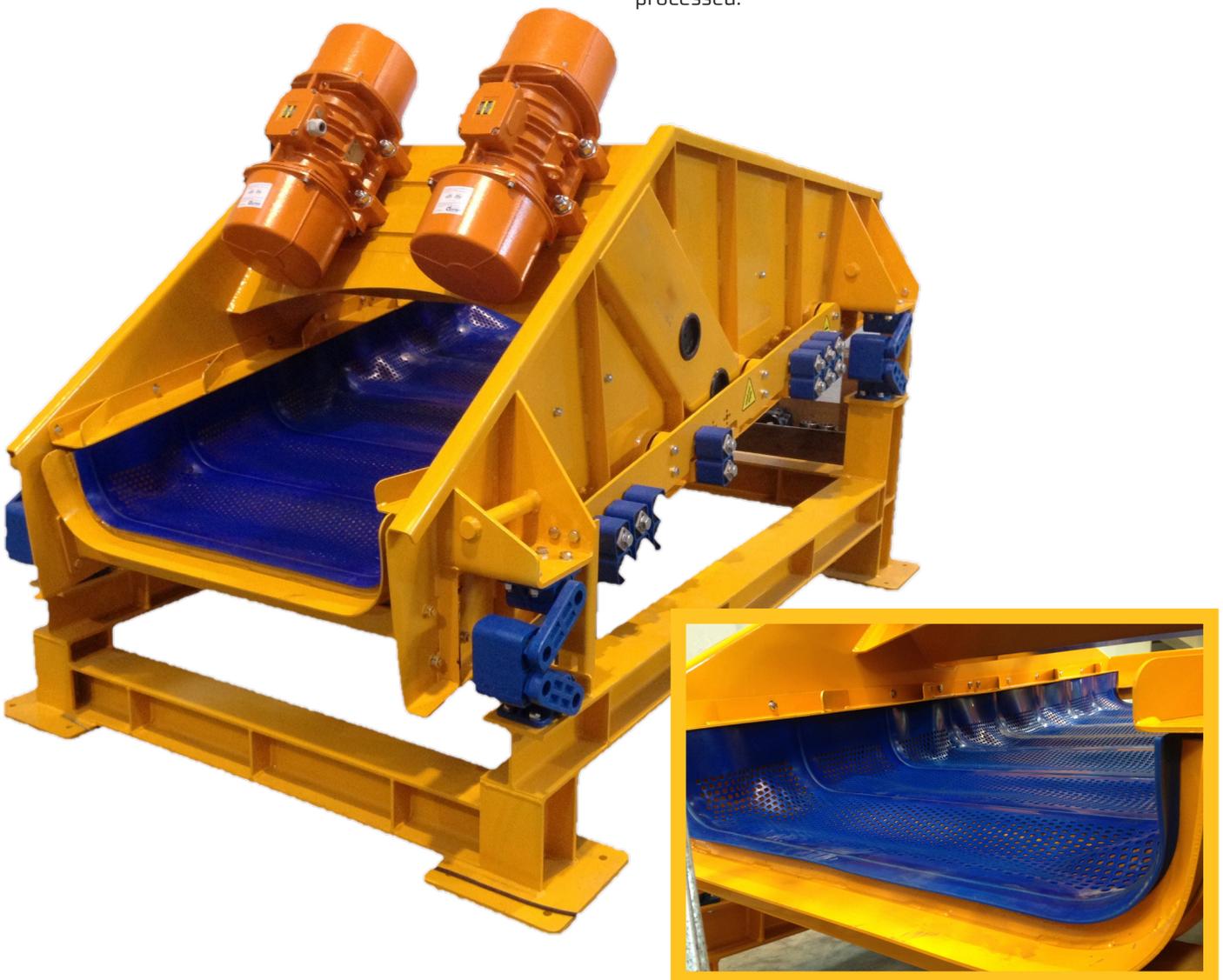
Equipped with a sub resonant frame that amplifies the vibration of the main frame, resulting in acceleration on meshes of up to 50 G.

The screening surface is made of high density polyurethane panels. These panels are mounted on separate modules which vary in size depending on the product to be screened and mesh opening needed.

The panels are fixed to both the main frame of the screen and the sub resonant frame. The vibration of the main frame is amplified on the sub resonant frame and as the polyurethane panels are fixed to both frames they make a "bump" effect called "flip-flow". This "flip-flow" bump effect prevents the screened material from sticking or pegging in the screen apertures.

The fixing of the polyurethane panels is done manually by wedges of polyurethane. This makes maintenance of the machine simple due to its quick replacement and easy assembly.

The screen aperture size range is from 0.8 mm to 50 mm and the hardness and thickness of the polyurethane can be varied according to screen and the product to be processed.



Application possibilities

The applications where these screens are used are becoming more numerous but include among others:

- Urban solid waste
- Used tires recycling
- Biomass
- Metals
- Used cars recycling
- Expired food
- Expired drugs
- Construction waste recycling
- Glass recycling
- Slags from incineration

For some applications where different types of screening is required, the "Flip-Flow" can be combined with different types of screen surfaces either on the same machine or as a set of two machines. With the advantage of separate machines being the ability to combine different vibration frequencies and amplitudes appropriate to each screening surface and product.

Screening with a "flip-flow" is usually combined with these other types of screening media:

- ▶ Conventional metal mesh
- ▶ Rigid polyurethane panels
- ▶ Metal bars
- ▶ Holed plates



GUARANTEE, QUALITY & SERVICE

Every machine manufactured by SKAKO Vibration is factory tested before being shipped to the final customer. This Factory testing allows us to test a large range of materials to optimize the reliability of the screening process and to ensure maximum capacity and efficiency.

The wide range of SKAKO Vibration products offers fully optimized solutions that can be perfectly adapted to users' solve our customers problems.

