

Application example

**Analysis screening of pigments**

PLASTIC WELDING

METAL WELDING

CUTTING

CLEANING

**SCREENING**



**Task**

When colouring products, pigments are often added to the raw materials in order to produce the desired shades. After grinding and classifying the pigment powders, a screening analysis may be required – depending on the intended use – to determine the particle size distribution.

**Solution**

The fractionation of the screened product can be determined using multi-stage screening analysis devices. In the case of screen fabrics with very fine meshes in particular, however, clogging and reduced throughput are often inevitable. SONOSCREEN®easy ultrasonic components can help in this regard. A converter coupled with a round or rectangular screen fabric frame transfers the ultrasonic vibrations to the screen fabric, significantly improving the screening process.

**Configuration advantages**

The ultrasonics provide microvibrations to support the analysis screening devices, which often have very little or no inherent vibration. In the case of this method, ultrasonics help to achieve a throughput of the screened product or, with very fine screens, to increase the screening output. The space-saving generator modules are suitable for compact installation in a control cabinet.



Ultrasonics-supported analysis screening device with integrated SONOSCREEN®easy components, SG4L generator and screening converter, coupled with rectangular or round screening frames.