

New Wear Resistant Screen Cloth

With multiple lifetime

Want double the service life?

Sieve cloths and sieves are significantly functionally relevant and thus critical wear parts in screening machines. If the meshes fail, e. g. as a result of highly abrasive products, this results in production downtimes, product contamination and necessary assembly work such as mesh or screen deck replacement. Allgaier offers completely new types of wear-resistant screen cloths, which have an impressive service life that is several times longer than that of previous standard cloths.

Matched to the wire thickness and mesh size, the new Allgaier sieve cloths are manufactured in a patented process, which significantly increases the wear resistance of the individual sieve cloth wires. In this manufacturing step, the woven screens are treated. A particular advantage here is that there are no longer any availability problems with regard to mesh sizes and wire thicknesses, as is often the case, for example, with fabrics made of spring-hard steels.

Wear test

Wear Resistant Screen Cloth

Broken after
1,134 h



Timeline

after 189 h

after 315 h

after 399 h

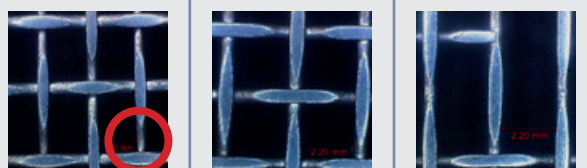
...

after 861 h

after 1,134 h

Conventional Screen Cloth

Broken after
399 h



Comparison of the operating life of a wear-resistant screen cloth and a conventional screen cloth, under identical conditions (treated top, untreated bottom)

Benefits

- Longer service life against abrasive wear by a factor of 2 to 3
- Cost reduction compared to multiple replacement of screen cloths
- Reduction of plant downtime, maintenance, and rework
- Unchanged separation quality, since the dimensions of wire thicknesses and mesh sizes remain unaffected
- No influence on the corrosion resistance of meshes made of austenitic stainless steels

Field of application

- Especially for screening highly abrasive products
- Wire thicknesses from 80 µm
- Equipment for new Allgaier machines,
- As spare parts for older screening machines in operation (also from other manufacturers)