

BOPP Extruder Screens – Manufactured to your specifications

Modern extruder screens need to offer more than just basic capabilities.

Based on many years of experience, we have an in-depth understanding of our customers' high expectations. In order to meet the most diverse requirements, we manufacture bespoke extruder screens. These include wide ranging filter fineness from 5 - 500µm providing exceptional filtration performance, individually adapted to your extruder system.

These are in general differentiated by the following shapes:

- Trapezoidal
- Kidney shaped
- Circular

Thanks to their special design, they create an almost seamless ring of mesh inside the circular plate. As well as circular shaped extruder screens we supply band filters, curved screens and filter candles for all current extruder systems, which you can obtain ex-works to the usual BOPP quality standards.

The precise shape and dimensions are matched exactly to the screen changer on your extruder system. If the differential pressure increases beyond a predetermined level, the screen changer rotates to the next screen with minimal downtime for optimal operational efficiency.

In order to further increase the efficiency of the extruder screen, our screens are manufactured at no extra cost with compressed and welded edges. This effectively seals the screen edge and thus prevents any egress of polymer melt at the rim of the screen caused by transverse flow.

Not only is operational efficiency a significant factor, but also cost-optimised production of these extruder screens taking into account individual customer specifications is a key consideration in terms of choice of supplier.

The BOPP Group operates in-house designed production lines using equipment specifically dedicated to extruder screens



Why is screening so critical in the extrusion process?

Plastics are usually delivered to plastic producers in granular form. These can be 'pure plastic' direct from the manufacturers or recycled material from recycling processes.

Filtration of polymer melt is essential in order to separate out any particles which have the potential to negatively impact the quality of the end product, or even in extreme cases render production impossible. Even recycled plastic can contain many impurities which must be filtered out prior to the extrusion process. Under these conditions, plastics have an almost endless reutilisation rate and thereby protect the environment.

Plastics are far too valuable to be wasted.

You can benefit from our decades of experience in the production of extrusion screens. We will be pleased to advise and support you.

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