

EUROGOMMA

Flip-flow² PU screen panels

Boomerang & Peanut shaped apertures

The next level in Screening performance



This is how we **Stretch**



The Challenge with Conventional Flip-Flow

Flip-flow is globally recognized as the most efficient screening technology for processing sticky, clogging, and abrasive materials that typically cause blinding in conventional screening applications.

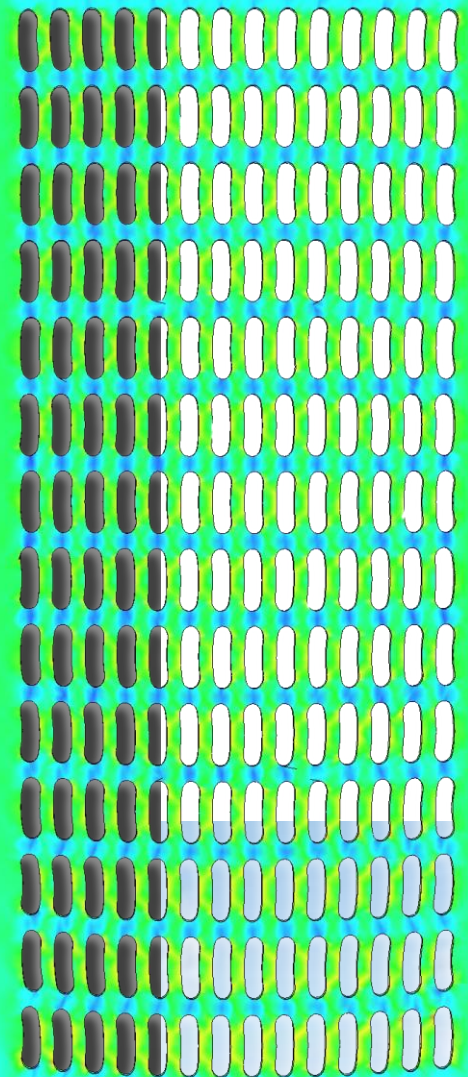
However, under specific operating conditions — such as high-moisture materials or environments subject to alternating dry and rainy seasons — even conventional flip-flow screens can suffer from blinding, significantly reducing process efficiency and increasing downtime.

The Eurogomma Solution: Flip-Flow²

As the world's sole manufacturer of elastic flip-flow polyurethane screen panels featuring boomerang and peanut shaped apertures, **EUROGOMMA** has taken flip-flow technology to the next level.

These uniquely shaped apertures stretch and relax in perfect sync with the screen mats, driven by the flip-flow stroke action. The result is an exponential increase in screening performance, dramatically reducing blinding risk even under the harshest operating conditions.

Compatible with all major brands and models of flip-flow screening machines.

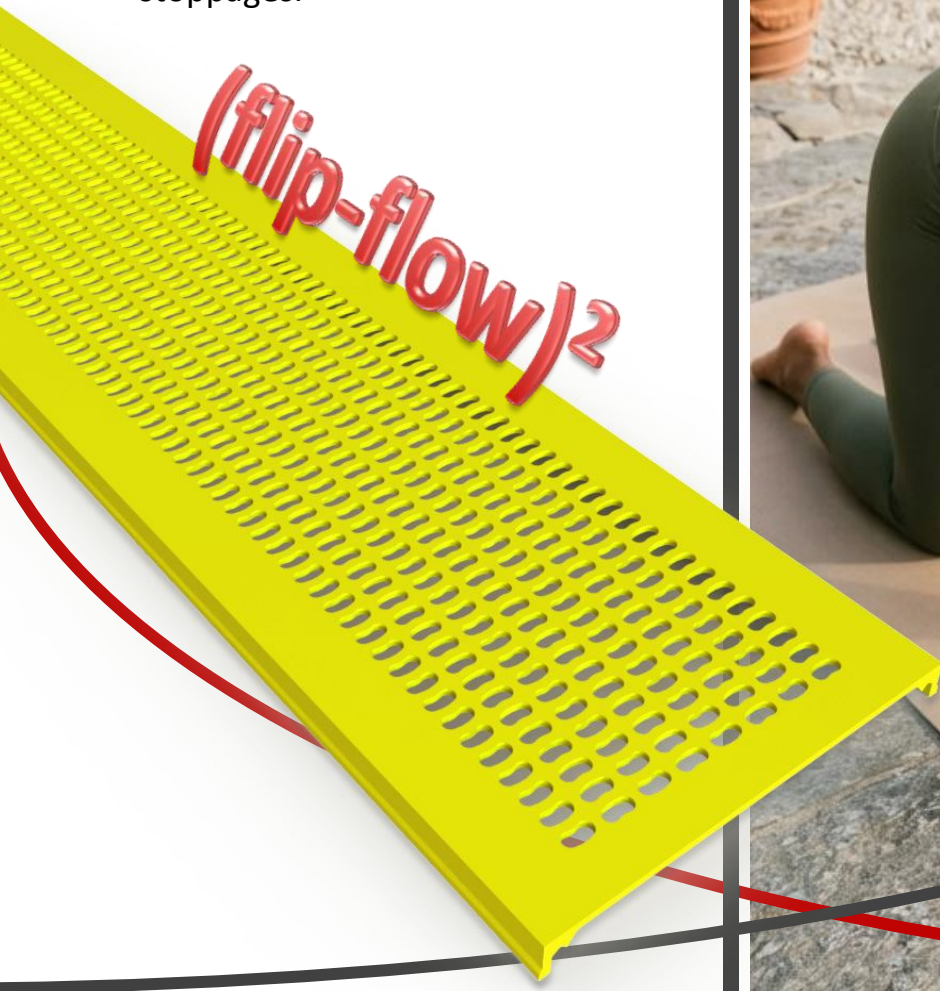




How It Works

The boomerang and peanut aperture geometry creates a self-cleaning mechanism:

- During the flip-flow stroke, apertures stretch open — expelling any trapped particles and preventing blinding.
- On relaxation, apertures return to their nominal size for precise classification.
- The elastic polyurethane construction absorbs impact from abrasive materials, significantly extending panel service life.
- The continuous stretch-relax cycle eliminates the need for manual screen cleaning or process stoppages.



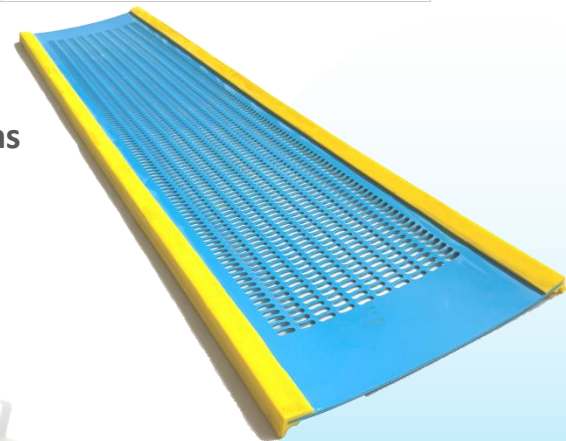
Technical Specifications

Standard panels are available in the following configurations. Custom sizes and aperture geometries are available on request — contact our technical team for a tailored solution.

Parameter	Standard Range	Notes
Aperture Shape	Boomerang / Peanut	Unique geometry
Aperture Size	Available in multiple sizes from 0,3mm and up	Contact us for exact mm ranges
Panel Material	Elastic Polyurethane (PU)	Abrasion & chemical resistant
Screen Compatibility	All major brands and models	Custom fixing available
Panel Dimensions	Custom / standard formats	To fit your existing deck
Operating Temperature	-20°C to +70°C	Peaks of -30°C and +90°C
Shore Hardness	Various grades available from 65 Shore A to 95 Shore A	Optimized per application

Typical Applications

- Coal and lignite screening in wet or frozen conditions
- Biomass and wood chip classification
- Construction & demolition waste processing
- Compost and organic material screening
- Iron ore, copper ore and other mineral processing
- Recycling and secondary aggregate production



Upgrade your flip-flow deck
to a Flip-Flow² deck
and experience the difference