

## Specifications

ITE polyurethane panel screens are designed to be installed on ITE industrial shakers and ensure the dewatering of heterogeneous solid-liquid mixtures such as slurries.

ITE vibration shakers operate at a g-force of up to 6.3 G and put the panel screens into motion, separating the solid particles contained in the suspension into fractions while dewatering the disperse solids mixture.

The near mesh-size particles and/or fineness of separation are based on the respective mesh width of the screens that ranges from 11 x 3.5mm down to 11 x 0.3mm.



FRONT SIDE



REAR SIDE



## Properties

- Due to the variety of different mesh widths PU panel screens may be **optimally adjusted** to the properties of the suspension (grain fraction, viscosity etc.)
- The hammer-wedge attachment ensures swift and **uncomplicated replacement** of the PU panel screens
- The shakers equipped with the PU panel screens are only exposed to a minor risk of clotting/blockage (e.g. due to sticky clay); thus, they are ideal for suspensions containing adhesive solids
- Compared with stainless steel woven fine screens of the same mesh width ( -> less capacity), PU panel screens provide a less open screen area only by being more **wear-resistant** and, thus, **more durable** than stainless-steel fine screens (in particular regarding abrasive mixtures)

## Transport dimensions

- Length: 1253 mm
- Width: 635 mm
- Height: 40 mm
- Weight: approx. 33 kg

## Technical specifications

- **Range of available screens**
  - PU panel screen 11 x 3.5 mm
  - PU panel screen 11 x 1.5 mm
  - PU panel screen 11 x 0.7 mm
  - PU panel screen 11 x 0.3 mm

## • Applications

- Slurries in the construction sector (e.g. tunnelling, horizontal and vertical borings, geothermal borings, HDD (horizontal directional drilling))
- Industrial slurries (e.g. coke dust, tar oil and fibre glass water mixtures, oil lagoons, carbon dust)
- Agriculture (e.g. dewatering of dairy farm waste or organic waste)
- Slurry dewatering during gravel and sand processing

## • PU panel screen accessories

- Hammer wedges
- Screen support rubbers
- Assembly bar

