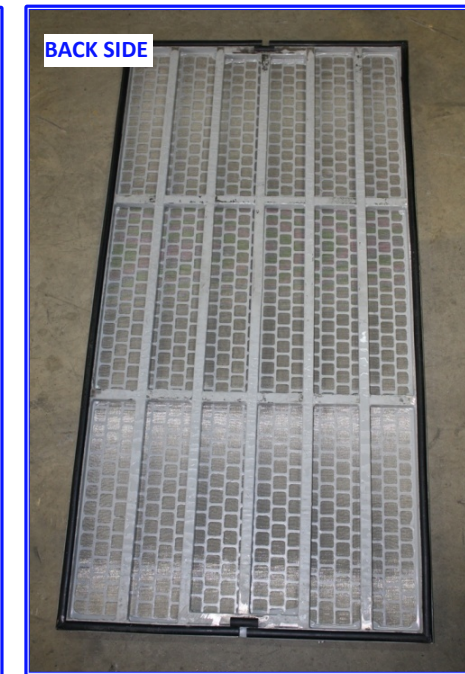
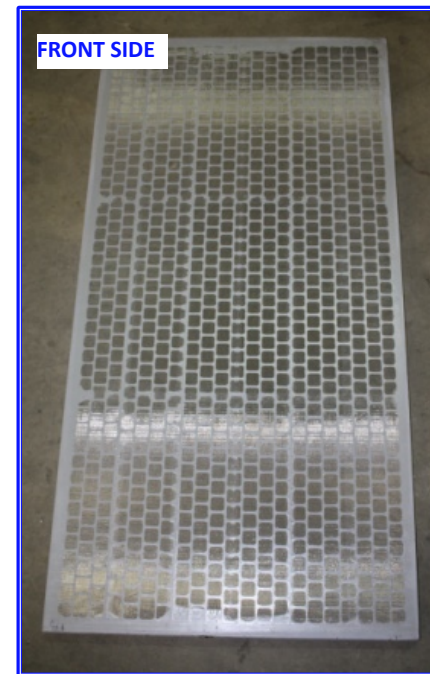


## Product features

ITE panel screens are designed to be installed on ITE industrial shakers for the purpose of dewatering heterogeneous solid-liquid mixtures (so-called slurries).

ITE vibration shakers operate at a g-force of up to 6.3 g and put into motion the panel screens, which, in turn, separate into fractions the solid particles contained in the suspension and dewater the disperse solids mixture.

In the process, the size of the near-mesh particles and/or fineness of separation results from the respective mesh width of the screens which may range from 12 mesh (1680  $\mu\text{m}$  = 1.68 mm) up to 325 mesh (45  $\mu\text{m}$  = 0.045 mm).



## Properties

- Pre-stressed, fine-meshed stainless steel screen material allows for a separation of fine particles in the critical range of 100 to 45 microns.
- Various mesh widths permit **optimum adjustment** of the panel screens to the properties of the relevant suspension (grain fraction, viscosity etc.).
- The hammer-wedge attachment system provides a fast and **uncomplicated exchange of the panel screens**.
- ITE panel screens have a long life-time. An application-orientated selection subject to the material to be handled of course is required in order to minimize the unavoidable wear.

## Transport dimensions

- Length: 1253 mm
- Width: 635 mm
- Height: 25 mm
- Weight: approx. 15.4 kg

## Technical specifications

### • Available screen range

- Panel screen 012 Mesh / 1680  $\mu\text{m}$  / 1.68 mm
- Panel screen 024 Mesh / 700  $\mu\text{m}$  / 0.70 mm
- Panel screen 038 Mesh / 450  $\mu\text{m}$  / 0.45 mm
- Panel screen 050 Mesh / 300  $\mu\text{m}$  / 0.30 mm
- Panel screen 070 Mesh / 210  $\mu\text{m}$  / 0.21 mm
- Panel screen 115 Mesh / 130  $\mu\text{m}$  / 0.13 mm
- Panel screen 145 Mesh / 100  $\mu\text{m}$  / 0.10 mm
- Panel screen 180 Mesh / 80  $\mu\text{m}$  / 0.08 mm
- Panel screen 215 Mesh / 70  $\mu\text{m}$  / 0.07 mm
- Panel screen 255 Mesh / 60  $\mu\text{m}$  / 0.06 mm
- Panel screen 325 Mesh / 45  $\mu\text{m}$  / 0.045 mm

### • Panel screen accessories

- Hammer wedges
- Screen support rubbers
- Screen plugs
- Assembly bar

## • Applications

- Slurries in the construction sector (e.g. tunnelling, horizontal and vertical drillings)
- Industrial slurries (e.g. coke dust, tar oil, fibreglass water mixtures)
- Agriculture (e.g. cleaning and dewatering of dairy-farm waste pits or organic waste)
- Slurry dewatering in sand and gravel processing

