

Zickert Z2000 *Bottom Sludge Scraper*

The Continuous, Low Profile Bottom Sludge Scraper.

Applications

- New wastewater treatment plants.
- Retrofit to existing treatment works.
- Water purification plants.
- Industrial process wastewater treatment plants.
- Suitable for use in combination with Lamella systems or in flotation tanks.

Advantages

- Low profile enabling sedimentation tanks to be covered for odour control.
- Scraper mechanism 100% stainless steel.
- High operational reliability.
- Simple to install.
- No adaptation needed for most tanks and bottoms.
- Continuous sludge transportation.
- No interruption of sedimentation process.
- Adjustable scraper speeds.
- Integral sludge thickening.
- Can be used in conjunction with the Z3900 surface scraper.

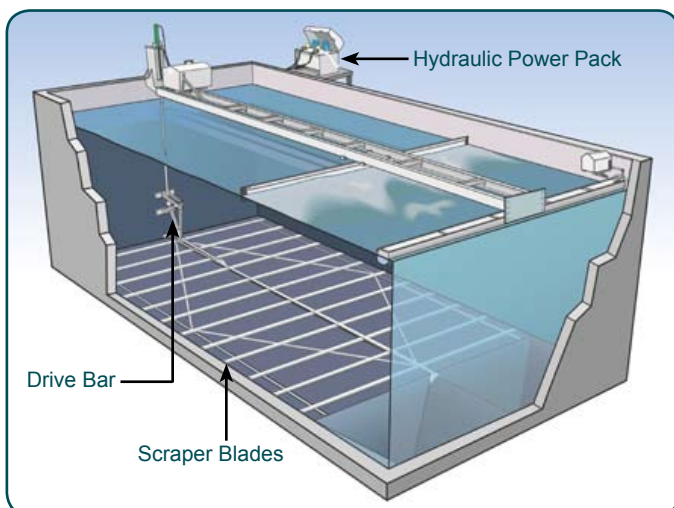
The Z2000 is a bottom sludge scraper specially designed for continuous transportation of sludge.



Technical Specification

- Dimensions:
 - Maximum length = 80 m.
 - Maximum width = 13 m.
 - Maximum surface area = 700 m².
- Multiple units can be installed in parallel in larger tanks.
- Gliding Strips - 4 or 6 mm thick depending on application.
- Material: Stainless steel ASTM 304 or acid-resistant ASTM 316.

How it Works



- 1) The concave faces of the wedges move the blanket of sludge from the underside.
- 2) During their return movement the wedges slide their way under the blanket so as not to interrupt the sedimentation process, moving approximately twice as fast as during their forward movement.
- 3) Where the sludge has such a low total solids content that no blanket is formed on the bottom of the tank, the action of the scraper creates a constant flow of sludge towards the sludge pit, thickening it as it does so.
- 4) The stroke length is always longer than the gap between sections.

turning water around ...[®]

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