

Specialized in the conception of machines for water and waste treatment for more than 20 years, AKIS puts its experience, availability and know-how at the service of its clients.

We provide diverse services. With our research office, we carry out a comprehensive study of your project, as well as the manufacturing of the machines, their installation, and the commissioning. We also provide maintenance in some cases.

Our expertise is recognized through the quality of our products in many countries.

Our products can be used by drinking water treatment plants, sewage water treatment plants, as well as in various industries such as pulp and paper mills, the steel industry...



**Availability – Quickness – Efficiency**

## Pretreatment

### Fine step screen:



- We provide different kinds of **screens / sieves** allowing for separation of waste and dirty waters
- Spacing from 1 mm to 6 mm

### Spiral screen:



- Spacing: from 1 mm to 20 mm

### Chain Screen:



- Several scrapers move with the chains to clean the screen
- Spacing: from 6 mm to 30 mm

### Band screen:



- Perforated plate: spacing from 1 mm to 8 mm
- Two types : side or central inlet
- Drum screens can also be manufactured

### Conveyors and compactors:



- Spiral Screw conveyors for transporting the screening or the sludge
- Compactors for compacting and dewatering screenings or sludge
- The wash-press can also wash the screenings reduce organic material and weight

## Sand/grit treatment

### Grit washers and sand classifiers:



- Sand washers for washing the grit
- Classifiers for separating sand and water

### Grit separator and sand scraper:



- Chain bottom scrapers for concrete tanks
- Surface scrapers for floating material

## Sludge treatment

### Bottom sludge scraper :



- Profiles push the sludge to one side of the tank
- Possibility of surface scraping
- Sludge recovered by a pump or siphon

### Sludge dewatering, thickening / draining table:



- Increases the quantity of dry matter of the sludge and makes it thicker
- Reduces the volume of the sludge

### Live bottom silo-hopper:



- Loading and discharging system via screw conveyors
- **Comprehensive system** of conveying and storage of the sludge
- Possibility of loading trucks

### Plastic chain scraper:



- Scraping of sludge at the bottom of rectangular tanks
- Scraping of grease on the surface of rectangular tanks

### Scraper bridge / Rotating sludge scraper / Sludge thickening:



- Scraping for all kinds of sludge at the bottom of a circular tank
- A variety of configurations available
- Sludge thickening scraper

### Screw press:



- Dewatering of all types of sludge
- Low power consumption
- High dryness

### Sludge lime mixer:



- Mixers for sludge and lime
- Able to mix all types of sludge
- Single-shaft or double-shaft mixers. Plowshares or paddles.