

*Time for Progress...*

## **Sugar processing screens**

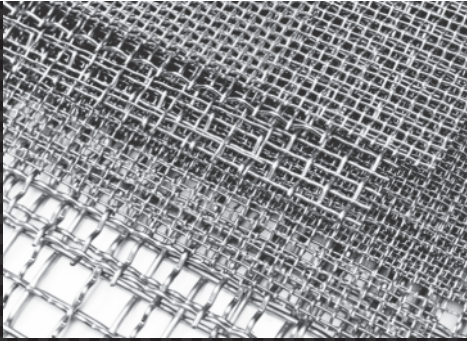
Washing and cleaning of sugar beets  
Extraction of cossettes  
Pressing of beet pulp  
Syrup filtration  
Cleaning of lime milk  
Centrifugation of massecuite  
Separation of sugar  
Treatment of beet wash water



# Progress Eco

We are the leading Polish manufacturer of industrial screens and high-added value products based on screens. We provide comprehensive product range, maintenance, and advisory services for our Customers. We offer proven solutions for foodstuff and sugar industry.

## Woven wire screens and wire meshes



They are used to separate limestone lumps from lime milk, in the process of slaked lime pre-filtration and in its further cleaning. After drying, sugar is separated into required fractions with use of vibrating sifters equipped with decks of woven wire screens or wire meshes.

Processes:

**Separation**  
**Lime milk cleaning**

## Products made of wedge wire screens



Wedge wire screens have high strength and wear resistance, and are very efficient. They are used as screen decks for sugar beet dewatering, bottom screens in extractors, and side screens in cossette pre-scalders.

Processes:

**Sugar beet dewatering**  
**Extraction**  
**Syrup filtration**  
**Cleaning of lime milk**

## Perforated screens

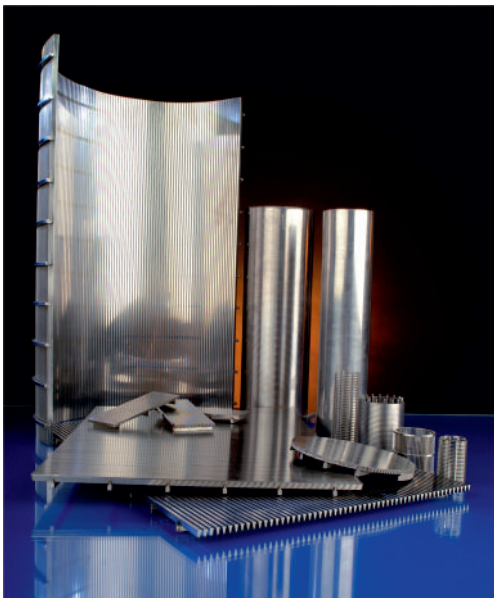


Perforated screens are applied in the washing process to remove solid impurities from product stream. They are also used as dewatering elements of beet pulp presses, and as frames for fabric bags in candle filters.

Processes:

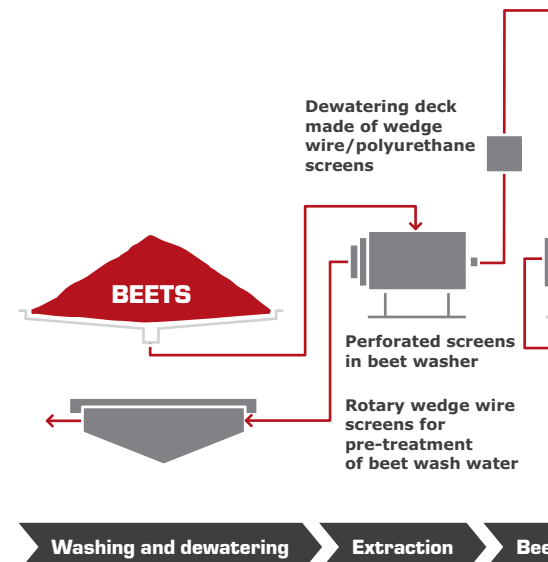
**Sugar beet washing**  
**Beet pulp pressing**  
**Syrup filtration**

## Application of screens manufactured by Progress Eco in sugar manufacturing



We offer screens and other screen-based products for sugar industry:

- **beet washer screens**
- **screens and screen decks for dewatering**
- **floors and screens of extractors**
- **wedge wire chutes**
- **dewatering screens**
- **conveyor screens**
- **screens for beet pulp presses**
- **candle filters and frames**
- **screens for Mick slaking machines**
- **stone separating screens**
- **wedge wire centrifuge baskets**
- **separator screens**
- **rotary screens and drums**
- **sieve bend screens**



# Manufacturer of screens, screen decks, screen segments and wedge wire baskets

We manufacture a wide range of products based on wedge wire screens used in dewatering and separation processes.

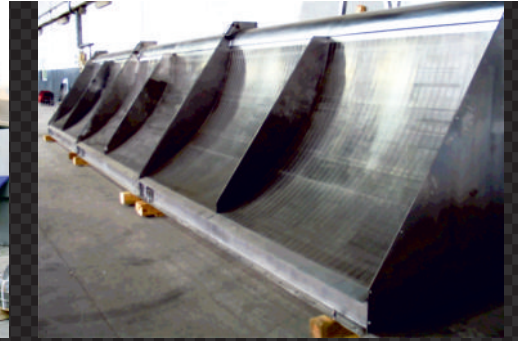
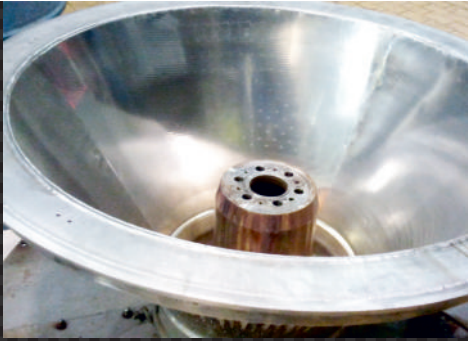
We supply various types of wedge wire centrifuge baskets and sieve bend screens of gravitational and pressure in-flow. Our offer comprises also filter elements for pressure and non-pressure filtration.



## Wedge wire centrifuge baskets

## Rotary screens

## Wedge wire sieve bend and gutter screens



Wedge wire centrifuge baskets are used in sugar industry to separate crystals of sugar from intercrystalline mother syrup produced from massecuite. Modern design of the basket enables obtaining high resistance parameters and proper performances.

Rotary wedge wire screens with internal or external in-flow by means of drums are intended to non-pressure removal of solid particles from fluids. We offer also rotary drums based on woven screens.

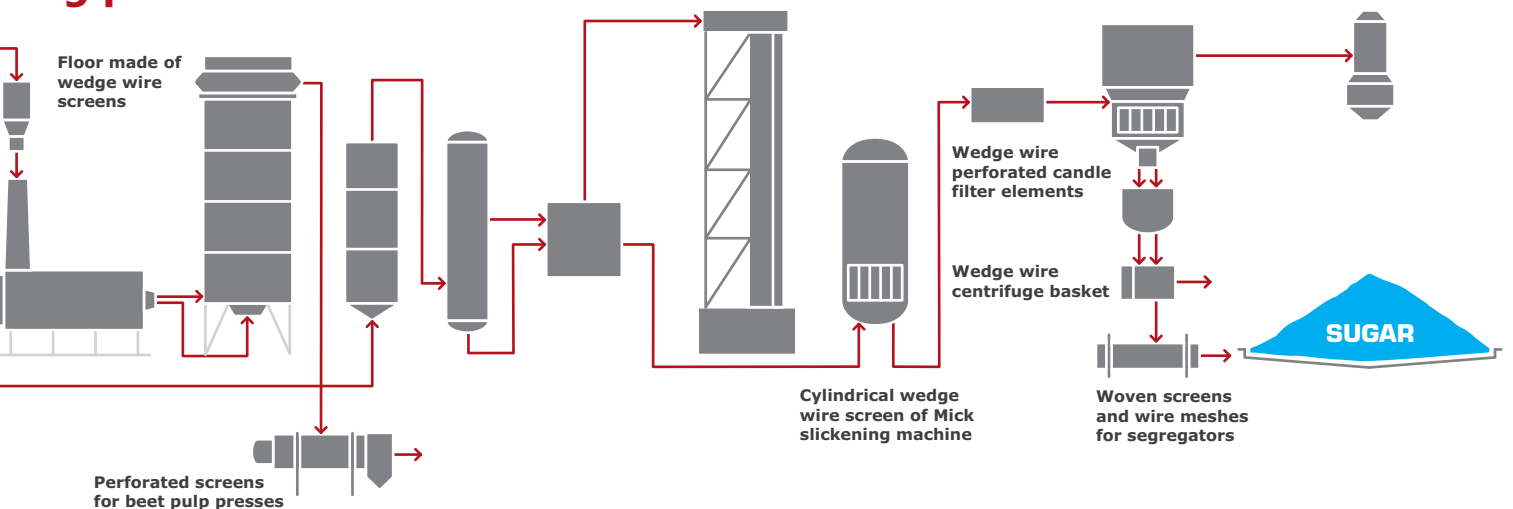
Sieve bend screens and gutter screens with gravitational in-flow are used for non-pressure removal of solid particles from fluids. They are also used as a gutter-type element to dewater troughs of worm conveyors.

Processes:  
**Centrifugation of massecuite.**

Processes:  
**Treatment of beet wash water**

Processes:  
**Beet pulp conveyance  
Treatment of beet wash water**

## Filtering processes



Beet pulp pressing → Syrup filtration → Lime milk cleaning → Centrifuging → Segregation → Treatment of beet wash water

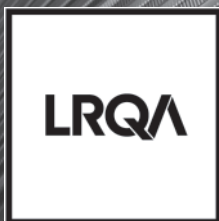
# Sugar Processing Screens

We offer high quality industrial screens suitable to use in mechanical screening, separation, dewatering, and filtration processes. Our solutions contribute to increasing efficiency and supporting the optimization of processes running in your facilities.

**Certificates**

**Professional consulting**

**Quality and innovations**



Progress Eco provides professional support and consultation services ranging from selection of screen type and its technical parameters to proper screen mounting.

Our staff includes a team of experienced engineers, and their skills have been confirmed by European certificates, such as, among the others, ISO 9001:2008 Quality Management System given by Lloyd's Quality Assurance, GOST-R, or the welding certificate.

Progress Eco is the owner of numerous patents, and has its own testing laboratory, which allows to carry out both continuous control of quality, accuracy, and product resistance, as well as constantly improve the products. We have been looking all the time for new solutions of mechanical industrial processes, such as:

- filtration
- separation
- dewatering
- segregation
- screening

**More than 35 years of experience in engineering and manufacturing of industrial screens.**

## Quality Management System comprises:

Engineering and manufacturing of welded wedge wire screens, perforated screens, wire meshes, woven screens, harp screens, polyurethane screens and screen-based products.

Visit our web site [www.progress-screens.com](http://www.progress-screens.com) and discover our complete offer.



Progress Eco S.A.  
Dobrow 7, 28-142 Tuczepy, PL

International Sales Working hours: Monday - Friday / 8:00-16:00 UTC+1  
T: +48 41 346 50 06 (ext. 120), F: +48 41 346 50 08, E: [sales@progress-screens.com](mailto:sales@progress-screens.com)

[www.progress-screens.com](http://www.progress-screens.com)

