



# OILSEEDS





## Our Company

- Proglobal has more than 40 years of experience in the market, and is a leader at both local and international level. We help our customers to achieve their productivity targets based on their critical needs.

In the development of our activity as a solutions provider company for the movement of solids, process equipments and agro-industrial components, it is of vital importance to offer both high quality products and services at competitive prices and with timely delivery.

Thanks to the success and growth of the company throughout the years, which allowed consolidation in its own area, a decision was made to expand geographically to Brazil and Europe, creating new market possibilities and increased reach. The new geographical positioning has the objective of offering our customers an integral service which expedites and reduces operating costs.



### Mission

To be a point of reference in movement of solids, process equipments and components, by being the most convenient "partner" for our customers and suppliers.



### Vision

To be the primary channel for helping our suppliers and customers at the time of applying differentiated solutions.



### Values

Collaboration (Synergy)  
Commitment to work  
Agility  
Creativity  
Professionalism







**CAMPINAS**, Brazil Agency

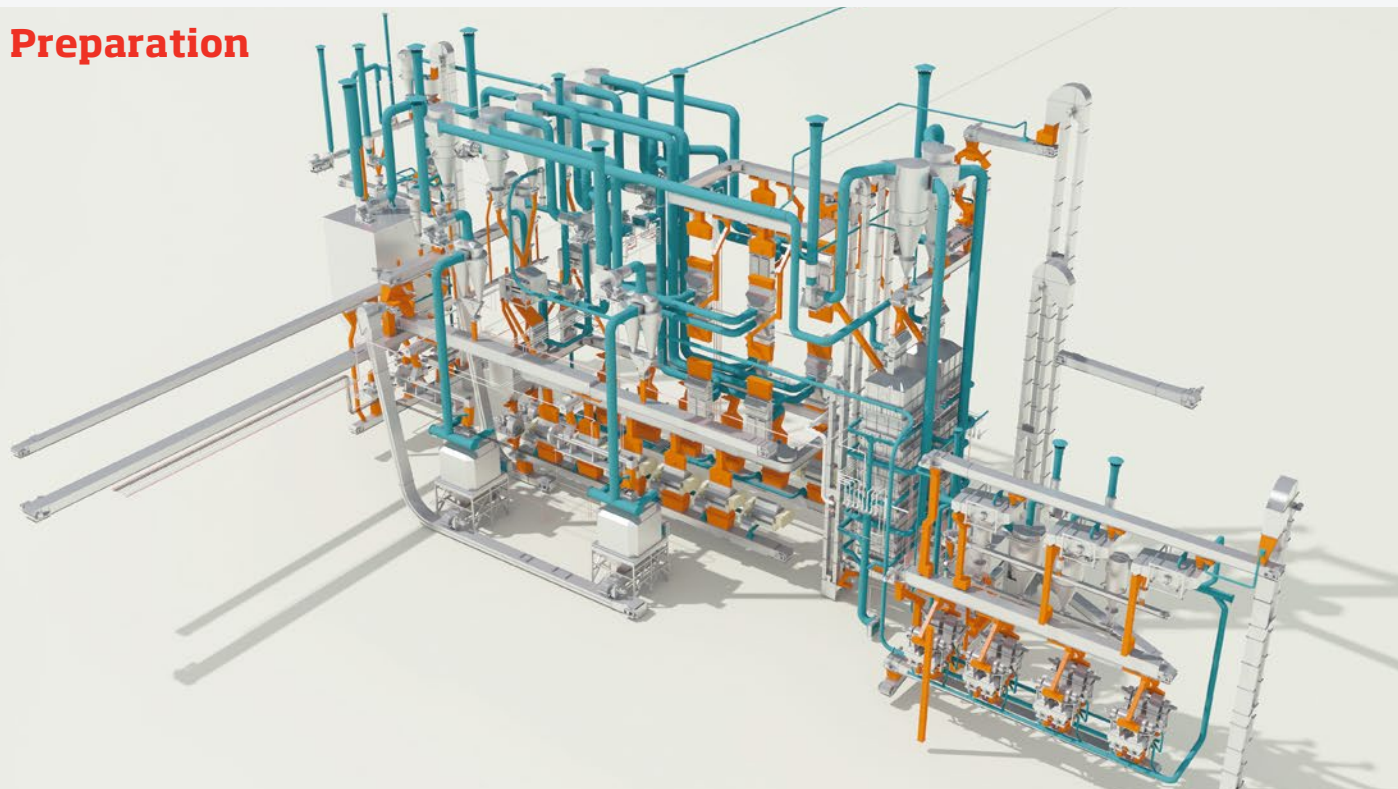


**BELO HORIZONTE**, Brazil Agency



**Headquarters in Rosario** - Argentina

## Preparation



### Conditioner



› Robust and modular equipment with volumetric and rotary discharge for different flows and times of residence.

### Cracker



› Built with single, double or triple pairs of rolls, with different diameters and corrugated for each application.

### Aspirator



› Designed with a rotary feeder that ensures efficient discharge.

### Flaker



› Equipments built with feeders, destoners, cleaning systems and scrappers. European rolls and components from the main global manufacturers turn this flaker into the highest flow equipment in the market.





## Turnkey Plants

**Proglobal** has managed to integrate constructive robustness and quality with the needs put forth by South America, providing turnkey plants.

### Extraction



#### Extraction



› The dragging mechanism ensures high yields and great reliability. Grooved floors and total stainless steel construction. Double hydraulic drives which automatically compensate the tension of the drag chains.

#### Distillation



› Loose-fitting and efficient design that allows taking advantage of thermal energy. The stripper allows achieving low HX levels in the crude oil. Compact configuration which allows savings in building sizing.

#### Lecithin



› Compact high-flexibility modular plants for processing different qualities of raw materials. The high efficiency of the design and the application of a thin film evaporation system stand out. High reliability vacuum system.

#### Refinery



› Complete equipment for multi-seed refining. The deodorizer design applies concepts for maximizing the efficiency in energy consumption and finished oil quality. Entire range of capacities. Low specific consumption of supplies.

## High-precision Screeners



### Rotex

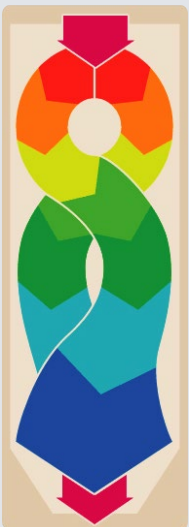
- Compact and robust screeners designed for 24/7 operation.
- Their counterweight transmission system marks a difference from the rest of the competitors.
- This equipment is the most used in the oil industry due to its simplicity and low maintenance cost.

### Megatex

- Designed to fulfill the strict market requirements with a large processing flow.
- Unbeatable performance with a high grade of precision.
- The elliptical motion guarantees uniform feeding in all floors.
- Robust and compact low-maintenance design.

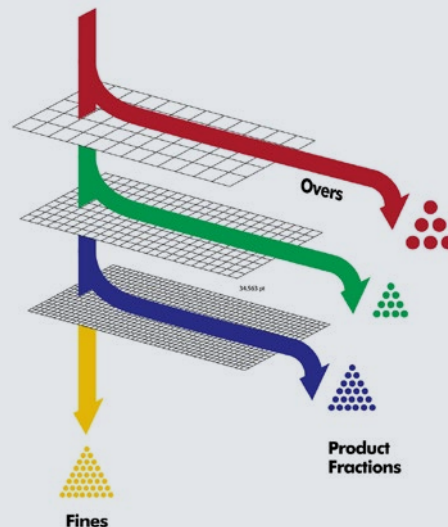
### Apex

- Efficient design which allows optimizing downtimes and increasing total production.
- The side access for screen replacements allows reducing downtimes and requires less personnel.
- The ergonomic design positions the equipment as the latest innovation in the screeners' market.



### Gyratory Motion

- › The gyratory reciprocating motion distributes, stratifies and quickly separates the product as it passes through the screens towards the discharge area, resulting in a more efficient process.



### Material Flow

- › The material enters through the top and is distributed across the entire width of the screen and is transported towards the discharge area. The larger particles remain at the top while the smaller ones pass through the lower screens. Performance improvements result in increased profits.





## Aspiration and Dust Suppression Systems



### 1 › Rotary valves

Robust and high-precision valves. Machined with a clearance of up to 0.07 mm between the rotor and the stator.

### 2 › Diverter valves

Robust and high-precision valves. The excellent machining allows reducing the air loss.

### 3 › Fans

Centrifugal fans of different types and sizes.

### 4 › Blowers

Designed to work with negative or positive pressure. They include pressure meters, silencers, filters, check valves and relief valves.

### 5 › Cyclones

High-efficiency cyclones that handle flows of between 65 cfm and 50,000 cfm.

### 6 › Bag filters

Different models and types. Low-, medium- and high-pressure filters are used in every point of the plant. They also have autonomous filters for controlling specific areas.

### 7 › Multi-aspirators

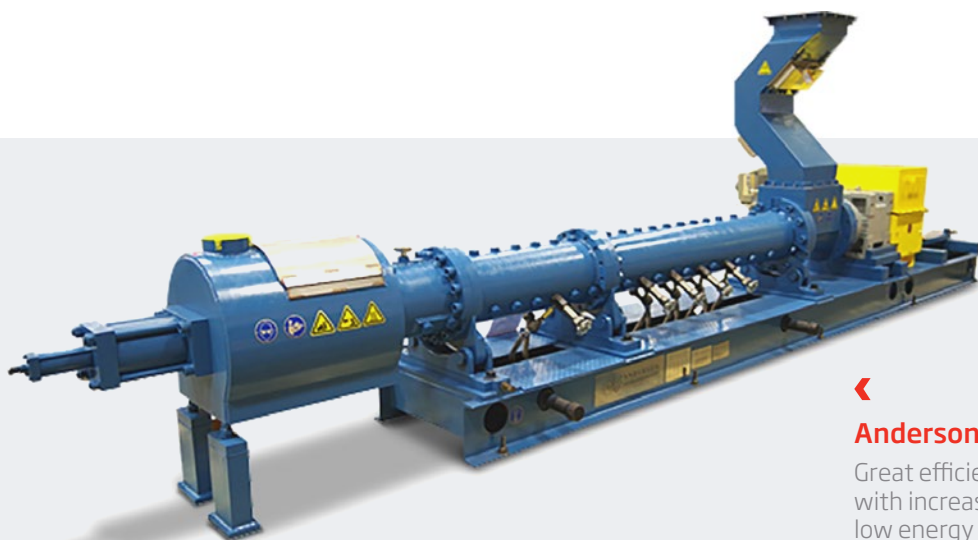
Equipments that consider the shape, size and density of the material to carry out a high-efficiency separation.

### 8 › Aspiration ducts

Built in several sizes to fit each case. Their proper sizing plays a key role in the success of a project.



## Expanders



### Anderson Expander

Great efficiency regarding the production of collets with increased density, reduced fines generation, low energy and steam consumptions for feeding the solvent extraction plants and obtaining a larger amount of oil. Their low maintenance and robustness guarantee the positioning of Anderson as a leader in the market of Expanders, Extruders and Expellers.



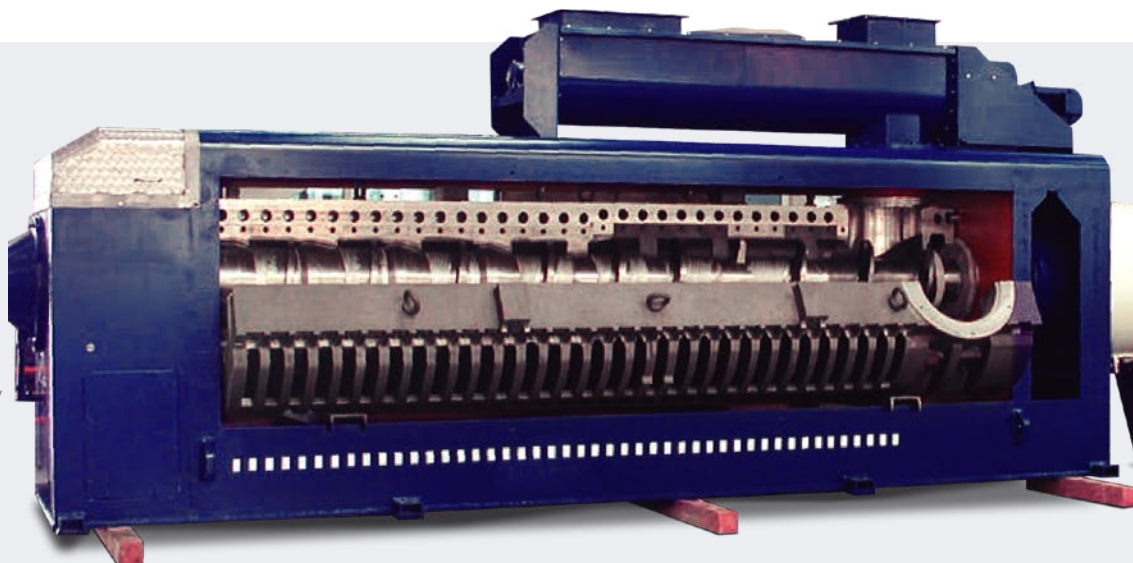
## Presses



**OILTEC-MD**  
Oilseed Technologies Magdeburg GmbH



The experience, trajectory and quality of a global point of reference for presses, under a new brand. Oiltec-MD develops presses with capacities of up to 600 TPD, which withstand extreme operation conditions.







## Dehullers



- The best dehullers in the high-capacity market.
- Designs with widths of up to 2 meters.
- Low RPMs which allow a gentle treatment of the seeds.
- Low operating cost.
- Proven performance.



## Fluidized Bed Separators

**PRO FLUID** 

Their design allows a significant reduction of the fatty matter in the hull. In addition, these are easy-to-operate compact equipments with low energy consumption. The ideal equipment when looking for a fine tuning process.





**PROGRINDER**  
Particle Size Reduction Provider



## < Hammermills

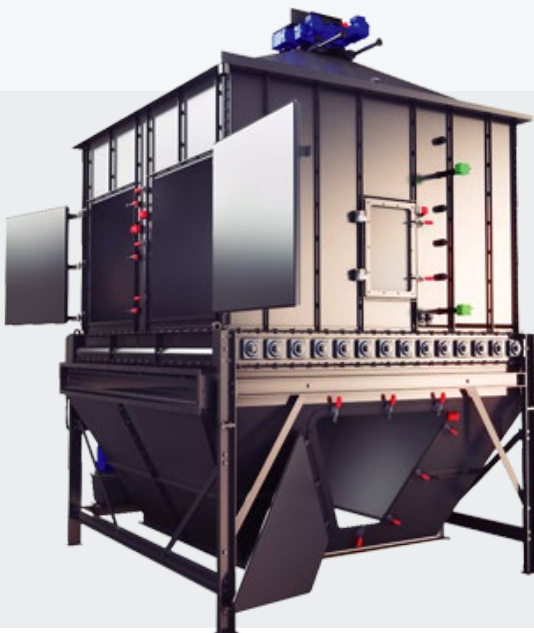
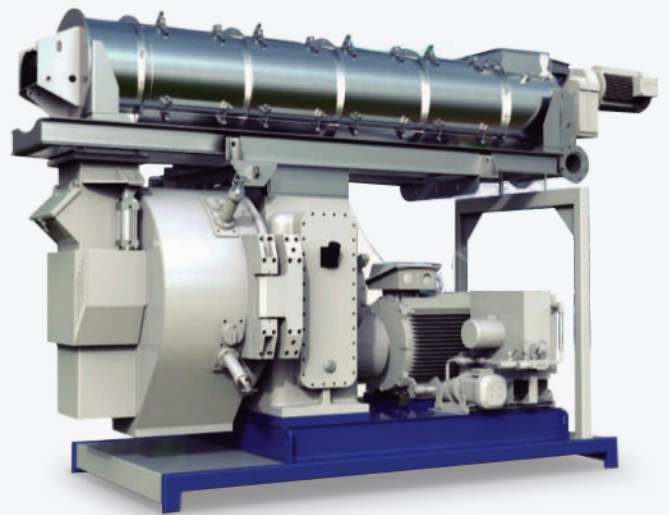
- Designed to work under the hardest demands.
- Capable of handling all types of materials at the lowest energy and operating costs.

**PROPELLET**



## > Pelletizers

Pelletizing equipments for all type of products. These equipments are designed for, and adapt to, either direct or belt transmission, depending on the flow, the products and the pellet diameters.



**geelen**  
counterflow

## < Coolers / Dryers

Based on the concept of "counterflow air", Geelen equipments are the most efficient equipments in the market. Since the equipments have very few moving parts, their maintenance costs are minimal and this creates increased energy efficiency and uniform product moisture.





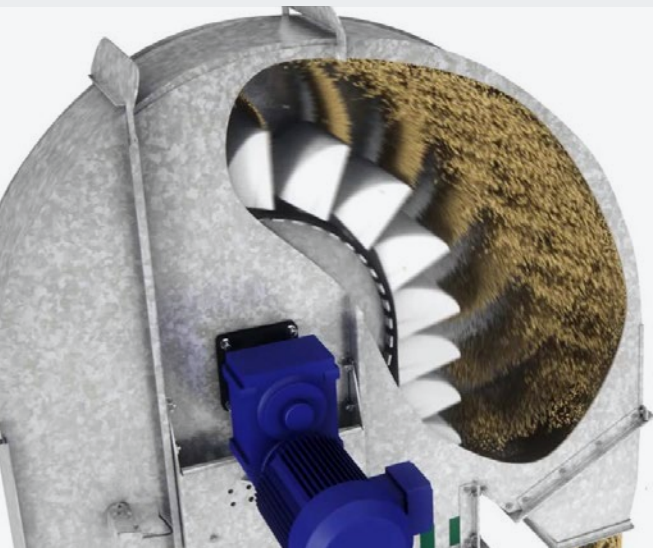
## Conveying Equipments



### Chain Conveyors



- Totally enclosed conveyors which prevent contamination to the outdoor environment and the impact of external agents.
- Less need of a support structure.
- Suitable for heavy service.
- They allow horizontal and vertical curves.
- Increased life of the conveying belt.
- Highly safe operation when avoiding pollution and dust accumulation. .



### Bucket Elevators

- Equipment engineering in accordance with the service.
- Component selection in accordance with the service.
- Belt elevators with fabric core or steel cables.
- Chain elevators.
- Equipment revamping.



### Belt Conveyors



- Totally enclosed conveyors which prevent contamination to the outdoor environment and the impact of external agents.
- Suitable for handling high capacities of up to 3800 tons/hour with bands of up to 72".
- Suitable for heavy service.
- Easy maintenance.
- Highly safe operation when avoiding pollution and dust accumulation.





## Auxiliary Equipments



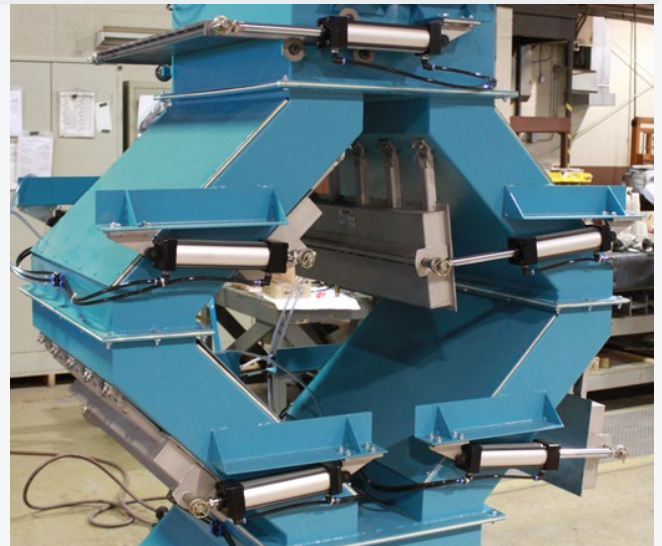
### Scalpers

Rotary drum for high-volume cleaning and large-size foreign material removal. Heavy and robust design capable of supporting large seed loads with a high percentage of contamination.



### Magnets

The major advantages of double magnets in cascade arrangement, such as low maintenance, cleaning during operation and no need for drives, have positioned these equipments as the best option for ferrous material removal.



### Scales

Batch-type scales, high-precision robustness and compact for controlling all types of grains.





## Post-sale Service / Components



### Project analysis

A technical team with expertise in several plants helps in the resolution of problems that come up every day in any industrial process.



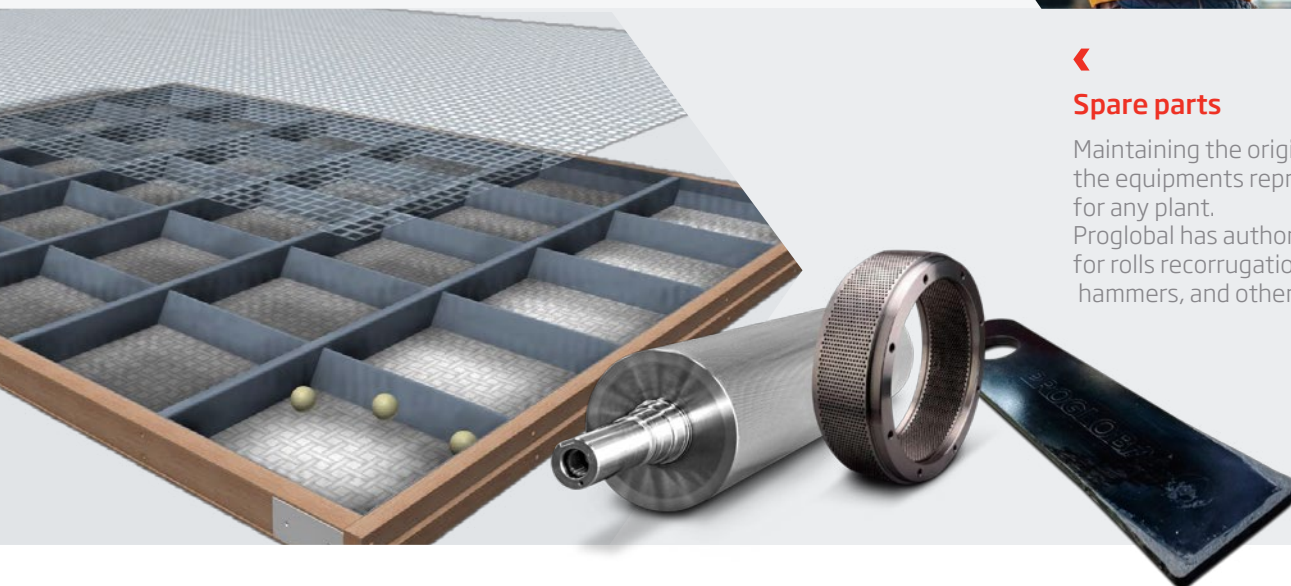
### Maintenance analysis

Proglobal's technical team can help to gather information about the condition of every piece of equipment and their critical parts to prevent unforeseen failures which cause significant plant downtime costs.



### Spare parts

Maintaining the original condition of the equipments represents a big challenge for any plant. Proglobal has authorized technical services for rolls recorrugation, screener frames, dies, hammers, and others.





## Engineering and Control Services

Proglobal is the only company that works to adapt existing equipment in improvements and expansions. Our DNA allows carrying out viable projects and improvements with minimal investments to save our customers money. More than 200 customers are very comfortable and satisfied working with us because our main objective is for them to earn money.



**1.1. Conceptual engineering**



**1.2. Detail engineering, control and automation**



**3 Execution**

We develop the best customer relationship. Proglobal works with the customer to accomplish an exclusive design for each project.

After approval of the conceptual design, different options are presented in a 3D model to see how the project will work out.

We end the project working together with our main partners - our customers - on its construction and supervision.

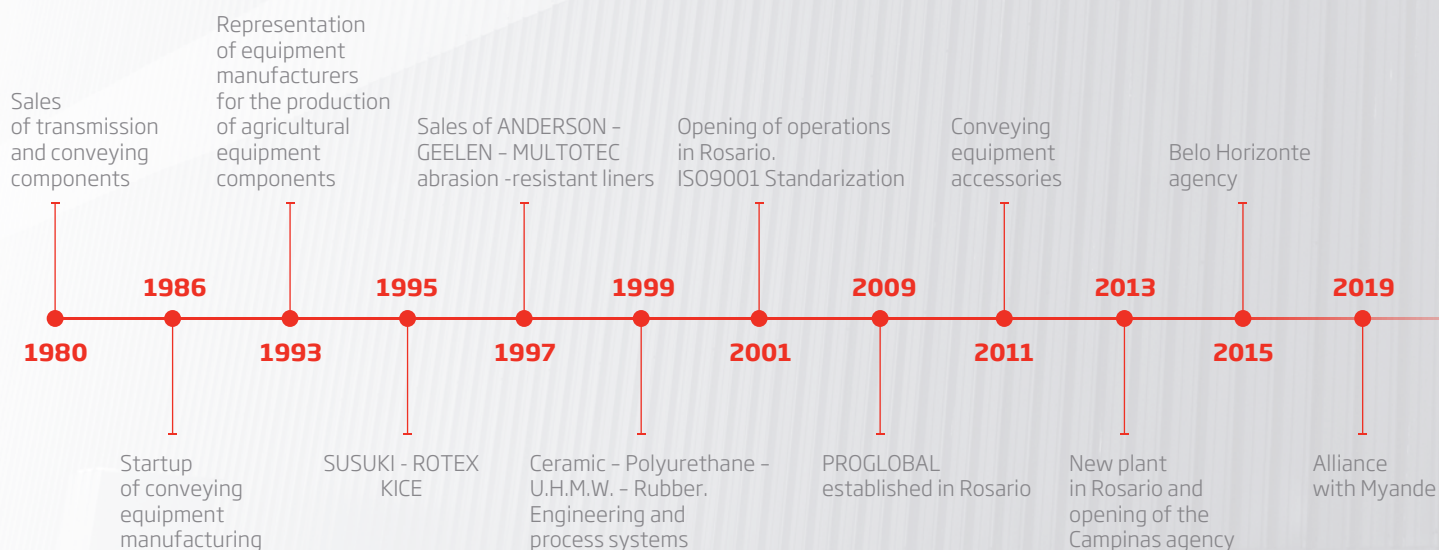


# +40 YEARS

of experience  
and trajectory



# PROGLOBAL





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