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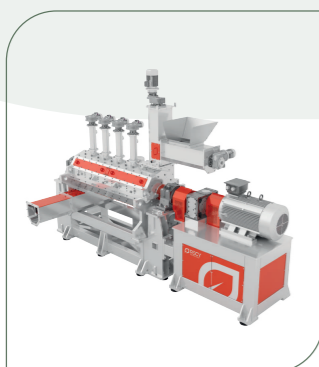


Beyond Limits.

Innovative recycling technologies:
solutions to valorize every
plastic waste

MACHINERY

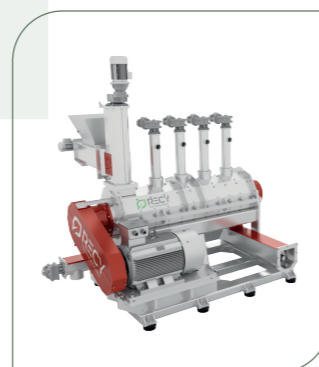
Solution. Innovation. Tailor-made.



Washing machine



Drying machine



Rinsing machine



Mixing silo



Screw conveyor



Conveyor belt



Sink float tank



Horizontal centrifuge



Vertical centrifuge



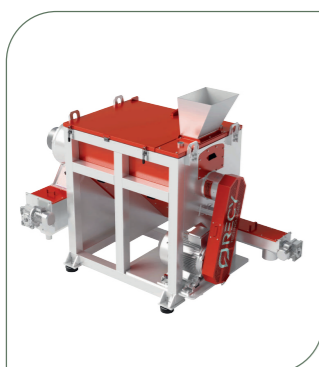
Preparation unit



Label separator



Disc screen



Pre-washing machine



Buffer tank



Storage silo

High-tech design development

Thanks to modular design, we can provide an infinite variety of state-of-the-art solutions, making our machines adaptable to existing lines as well.

WASHING Machine

The high-friction machine uses technology that generates hot water without the need for heating systems, ensuring efficiency and sustainability at the highest level. It is designed to remove a wide range of contaminants: from the most common impurities such as soil, glue, aluminium, wood, oil and adhesives to the most persistent odors and printing ink.

Features

- Patented technology guaranteeing a high-quality product
- Bearing cooling system
- Easy maintenance
- Heat generated through friction up to 95°

50%
Reduced consumption

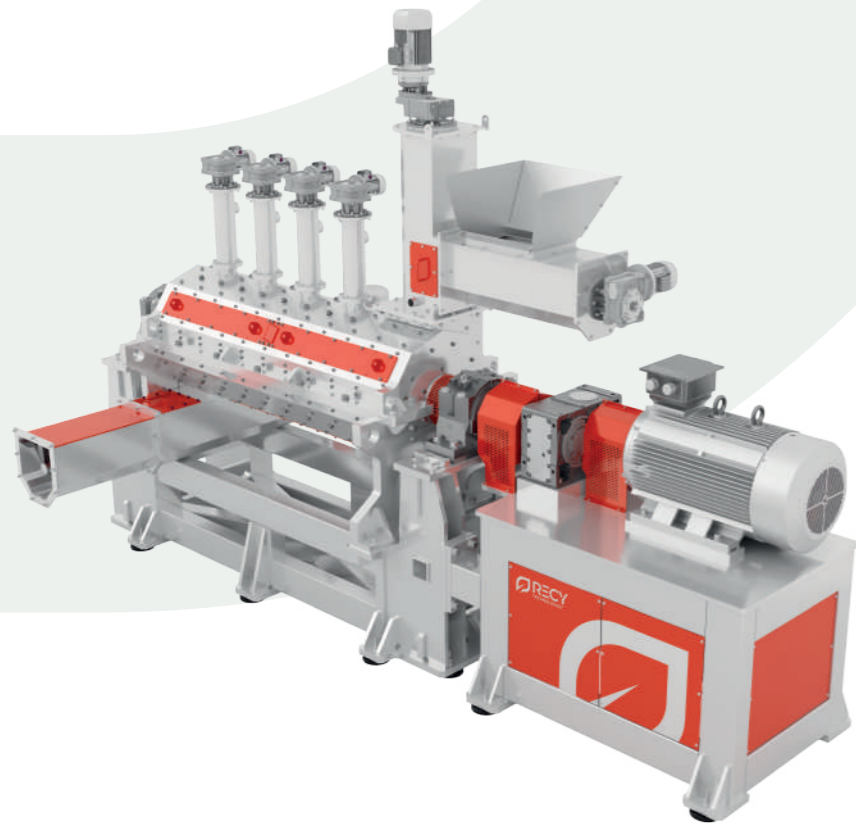
99%
Dirt removal

Our plus

- Quadruple degassing
- Patented technology with state-of-the-art software
- Maximum energy efficiency
- Excellent washing, ensuring an odor- and ink-free end product
- High efficiency with low energy consumption
- No need for water heating systems

Suitable for:

Flexible film Rigid film Textile



DRYING Machine

The machine has set new standards in the drying of plastic materials as it is designed to dry the material and simultaneously homogenise it by preparing it for the final stage of extrusion.

Features

- Bearing cooling system
- Automatic heat and humidity level control
- Enhanced forced feeding
- Easy maintenance

0,2%
Remaining moisture

100%
Innovative

Our plus

- Highest drying and homogenising efficiency
- Excellent drying <0,2%
- Quadruple degassing
- Enhanced forced feeding
- Patented technology

Suitable for:

Flexible film Textile



RINSING Machine

Designed to completely remove all traces of contaminants such as glue, oil, grease, wood, aluminium, ink, odor and other impurities.

Features

Patented technology with state-of-the-art software

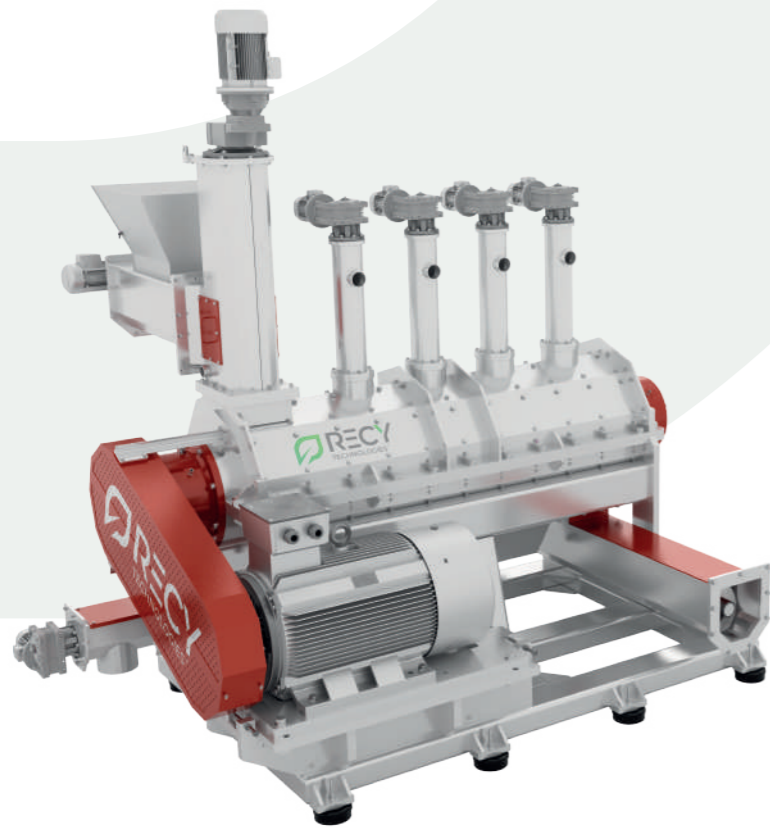
Bearing cooling system

Heat generated by friction

Easy maintenance

99%
Dirt removal

50%
Reduced consumption



Our plus

- High efficiency with low energy consumption
- Excellent end-product quality
- Up to 4 degassings
- Maximum energy efficiency

Suitable for:

Flexible film

Rigid film

Textile

SINK Float tank

Designed to ensure excellent separation of materials according to their specific weight. Thanks to its extraordinary versatility, it adapts perfectly to all types of plastics, offering maximum efficiency and flexibility in every separation process.

Features

Force-feeding and homogeneous dosing

Advanced management with an overflow structure for floating material, precisely extracted via a screw conveyor

Optimised management with reel system for an efficient transport

Water collection with closed loop system

100%
Separation

50%
Reduced consumption



Our plus

- Maximum efficiency with reduced energy consumption
- Patented system for efficient handling of sinking material
- Maximum material separation
- Robust construction made entirely of stainless steel

Suitable for:

Flexible film

Rigid film

Textile

HORIZONTAL Centrifuge

Designed to dry washed material, ensuring excellent drying quality. In addition, the last traces of sand, paper, oil and other impurities are removed during the process.

Features

- Easy Maintenance
- Bearing cooling systems
- Automatic cleaning system
- Automatic waste extraction

50%
Reduced consumption

<1%
Residual moisture

Our plus

- Excellent drying of materials
- Innovative automatic cleaning
- Sizing from 2mm to 60mm
- Reversible paddles up to 4 times
- Maximum energy efficiency
- High efficiency and low energy consumption

Suitable for:

Flexibile film Rigid film Textile



VERTICAL Centrifuge

Designed to dry rigid plastics with the aim of minimising space requirements. In addition, the last traces of sand, paper, oil and other impurities are removed during the process.

Features

- Easy maintenance
- Minimises space used
- Maximum energy efficiency
- Automated internal cleaning

50%
Reduced consumption

<2%
Residual moisture

Our plus

- Innovative automatic cleaning
- Sizes from 1mm to 30mm
- Excellent material drying
- Customisation according to requirements

Suitable for:

Rigid film



PRE-WASHING Machine

Designed to remove most of the impurities present on the surface of the material. The prewashing process can be carried out by water or dry cleaning depending on specific requirements and according to the type of contaminants present, such as organic residues, oil, grease, paper, grease, soil, sand, stones, metals and other impurities.

Features

Easy Maintenance

Bearing cooling system

Automatic cleaning system with rotating basket

Automatic waste extraction

90%
Dirt removal

50%
Reduced consumption

Our plus

- Reversible paddles up to 4 times
- Sizes from 2mm to 200mm
- High efficiency with low energy consumption
- Innovative automatic cleaning
- Maximum energy efficiency

Suitable for:

Flexible film

Rigid film

Textile

STORAGE AND DOSING Buffer

Designed to store and dose the material in order to ensure correct dosing and flow of the product to be processed while optimising efficiency.

Features

Uniform dosing of the material by inverters

Electronic level control system

Modular design to ensure the maximum operational efficiency

Maximum energy efficiency

100%
Process optimisation

100%
Modularity

Our plus

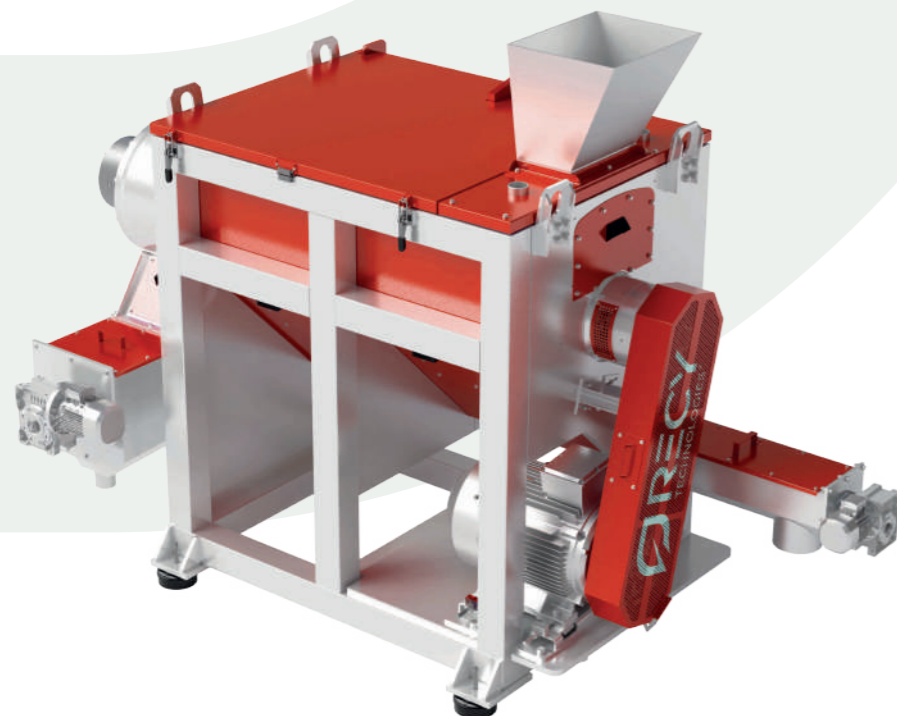
- Uniform dosing
- Sizes from 1mm to 100mm
- Capacity up to 60m³
- Customisable for every requirement

Suitable for:

Flexible film

Rigid film

Textile



STORAGE AND DOSING Silo

Designed to homogenise, store and dose the material in order to release it to the next machine in a constant and gradual manner.

Features

Easy Cleaning

Electronic level control system with minimum and maximum warning

Easy maintenance

Inverter control for homogenising and dosing

50%
Consumption optimization
100%
Innovative



Our plus

- Energy efficiency
- Flow rate up to 40m³
- Robust design
- Size up to 100mm

Suitable for:

Flexible film

Textile

MIXING Silo

Designed for mixing and storing material.

Features

Easy cleaning

Electronic level control system with minimum and maximum warning

Easy maintenance

Load cells for weight control

50%
Consumption minimisation
100%
Innovative



Our plus

- Energy Efficiency
- Capacity up to 100m³
- Robust construction

Suitable for:

Rigid grind

Granule

SCREW Conveyor

Designed to transport, with maximum inclination, the material to be processed to the various units that make up the line.

Features

- Maximum transport efficiency
- High customisation
- Drainage system for wet materials
- Removable inspection lids for an easy cleaning and maintenance

100%
Modularity

100%
Efficient transportation

Our plus

- Innovative patented system for maximum efficiency with reduced energy consumption
- Sizes from 1mm to 100mm
- Tilting up to 60°
- Maximum energy efficiency



Suitable for:

Flexibile film Rigid film Textile

CONVEYOR Belt

Designed to transport the material to be processed to the various units making up the line

Features

- Sturdy supporting structure
- Compact and space-saving design
- Easy maintenance
- High-strength interchangeable belt

100%
Modularity

50%
Reduced consumption

Our plus

- Maximum customisation and adaptability
- Maximum energy efficiency
- Maximum transport efficiency



Suitable for:

Flexibile film Rigid film Textile

PREPARATION Unit

Designed to pre-treat the material with chemical softening it for the subsequent stages of hot washing. Removes dirt and adhesives in materials more efficiently.

Features

- High material retention to increase efficiency
- Easy maintenance
- Modular system
- Managed flow through inverter

100%
Softened material

50%
Reduced consumption



Our plus

- Material dwell time from 5 to 30 minutes
- Maximum energy efficiency
- Inverter-controlled dwell time management for increased efficiency
- Maximum customisation
- Capacity up to 4 ton/h

Suitable for:

Rigid film

LABEL Separator

The label separator with counter-current airflow system aims to divide powders and light materials from heavy materials. It is equipped with a star valve for the dosing of the material and a cyclone for the drain of the airflow.

Features

- Star valve for the dosing of the material with vulkollan blades
- Management with inverter
- Adjustable suction and counter-suction system
- Modularity of the system

100%
Modular

50%
Reduced consumption



Our plus

- Easy maintenance
- High production volumes
- Maximum separation of materials

Suitable for:

Flexibile film

Rigid film

Powders

DISC Screen

Designed to screen a wide variety of materials.

Features

Different disc drilling

Maximum flexibility in the size of the material to screen due to the customisable distance between the discs

Adjustable tilt for maximum screening accuracy

High payload

99%
Separation

50%
Reduced consumption

Our plus

Energy efficiency

Maximum versatility

Maximum screening capacity



Suitable for:

Flexible plastics

Rigid plastics

Municipal waste

WE DO NOT STOP HERE.

Thanks to our experience, we make customized machines with technical features and specifications upon request.

THERE IS NO REQUEST WE CANNOT FULFIL. THIS IS WHAT MAKES US UNIQUE.