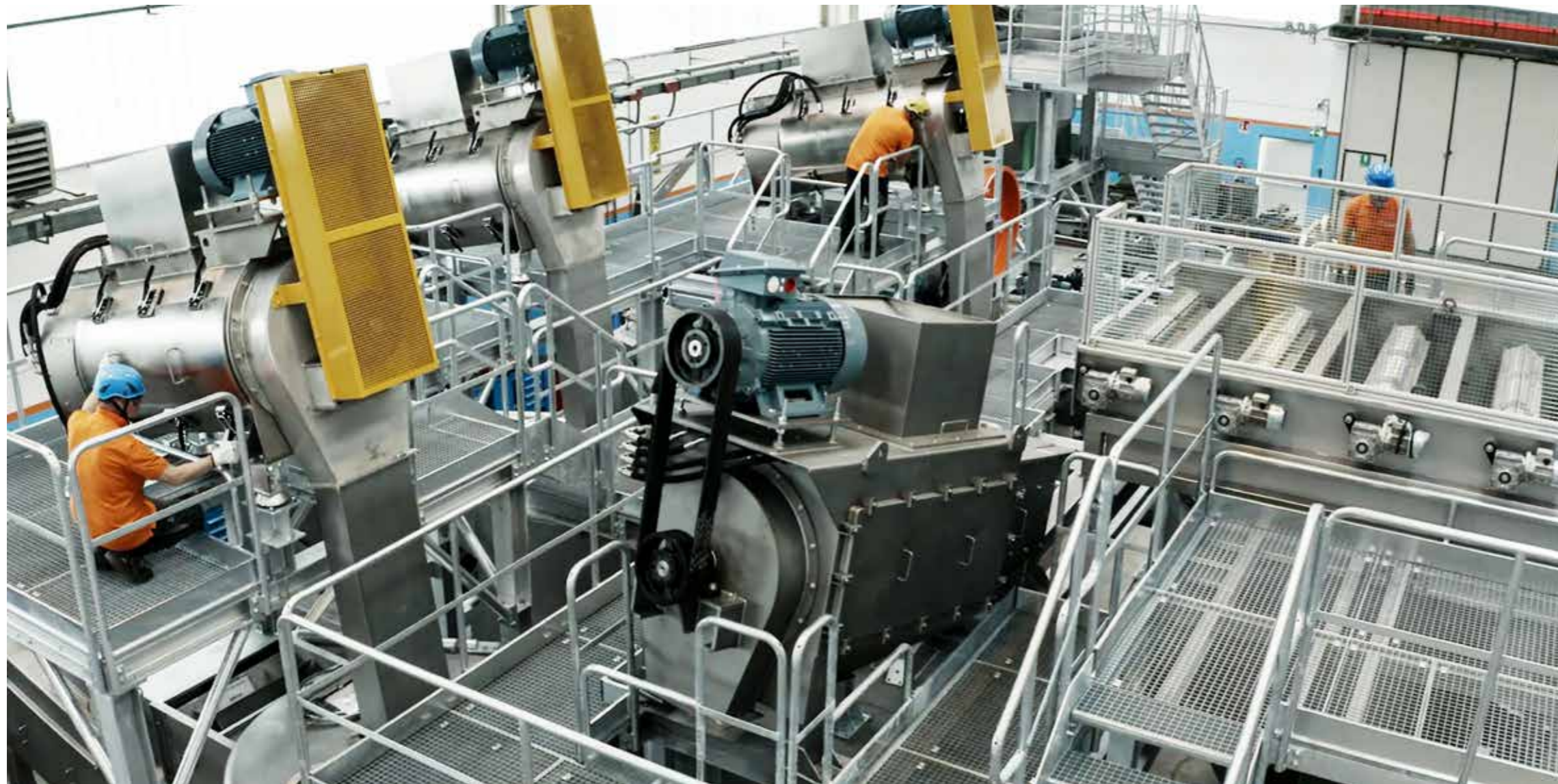


ENGLISH



Sorema
PLASTIC RECYCLING SYSTEMS

Since 1974



100-YEARS PIONEER IN PLASTIC INDUSTRY

Since 1922 - Previero N. srl is a family owned company engaged in engineering and construction of size reduction machines for plastic and rubber.

The visionary strategy of the management brought in 1974 to the foundation of SOREMA, with the mission to design and engineer plastics washing and recycling lines.

Sorema with almost 50-years' experience, develops every project tailored to material and customer needs. World renowned for its most innovative solutions, Sorema is a leader in design, manufacturing and installation of recycling plants for plastics material.

Sorema guidelines are **high-quality & high-efficiency**. We can offer a wide range of capacity from **500 kg/h** up to **10.000 kg/h**.

ENGINEERING YOUR RECYCLING LINE



LABORATORY & PILOT PLANT
Advanced laboratory and industrial pilot line for material analysis and process optimization.



ENGINEERING
Complete plant and site design with laser scanning. Up-grade and revamping of existing lines. Integration of ancillary equipment and wastewater treatment plant.



MANUFACTURE & COMMISSIONING
In-house machines manufacturing, complete pre-assembly and interface validation before shipment. Supervision of installation, quick start-up and achievement of design capacity. Qualified technical personnel for customer training.



AFTER SALES SERVICE
Problem solving with remote support and ready-to-go assistance team. Preventive maintenance and spare part management programs.



BUSINESS MANAGEMENT
Customer long-term assistance in company management and everyday production.



INNOVATION & SUSTAINABILITY
Continuous research and development to improve flakes/fluff quality for plastic upcycling. Open to new challenges for circular economy and sustainability with reduction in consumption of water, electricity and chemicals.

SOREMA plants engineering fields:

- ✦ PET bottles
- ✦ PE/PP films
- ✦ HDPE/PP bottles and containers
- ✦ PET/PP trays
- ✦ Big-bags, non-woven and fiber
- ✦ Pulper
- ✦ De-inking
- ✦ Application for chemical recycling

TARGETING TO CLOSE THE LOOP

PET BOTTLES TO BOTTLES

SOREMA recycling systems transform post-consumer PET bottles (curbside selective or deposit) into high quality recycled flakes (rPET).

Typical applications are: bottles including food-grade, sheets, BOPET, fabrics, strappings and fibers.

Your SOREMA advantages:

- Cost effective solutions.
- Early contamination removal.
- Efficiency in sleeve & label separation.
- Modular system and design flexibility according to input material contaminations.
- Single closed water loop for each module.
- High purification of the final flakes.
- Low residual moisture level.
- Optimization of utilities consumption.





BACK TO THE ORIGIN PE/PP FILMS

SOREMA recycling systems for PE/PP films post-consumer, post-industrial or agricultural sources allow to recycle fluff as high-quality granules to be reused in cast, stretch, blown film extrusion lines and other upcycling applications.

Your SOREMA advantages:

- ✔ Profitable recycling solutions.
- ✔ Low energy consumption.
- ✔ High efficiency in contamination removal in cold/hot modules.
- ✔ Dedicated solution for agricultural film.
- ✔ Stretch-to-stretch application (lowest gel content).
- ✔ Low residual moisture level.



**FEEL CONFIDENT
TO REUSE**

HDPE/PP RIGID CONTAINERS

SOREMA recycling systems transform HDPE/PP post-consumer bottles and containers into high quality recycled flakes.

Typical applications of the flakes are: bottles including food-grade, sheets and other extruded, injected or blow-molded items.

Your SOREMA advantages:

- Cost effective solutions.
- Efficiency in sleeve & label separation.
- Design flexibility according to input material contaminations.
- Single closed water loop for each module.
- High purification of the final flakes.
- Low residual moisture level.
- Optimization of utilities consumption.





A NEW CHALLENGE rPET FROM TRAYS

SOREMA recycling systems transform post-consumer PET trays into high quality recycled flakes that respect the specification to be reused in thermoforms process or fibers.

Your SOREMA advantages:

- ✦ Special prewashing system for high contaminated material.
- ✦ Efficient in film top seal separation system.
- ✦ Minimum material loss thanks to special machines in trays recycling

CIRCULAR ECONOMY DE-INKING

SOREMA deinking systems are based on modules where cured inks are removed from plastics substrate to allow the recycling and reuse of printed packaging into the original production process.

Your SOREMA advantages:

- ✦ Dedicated test center for tests and process validation.
- ✦ Specific water treatment for de-inking lines.



RECYCLE FOR A BETTER FUTURE FIBER & BIG-BAGS

SOREMA recycling systems allow the decontamination of PP, PA & PET fibers, woven and non-woven fabrics, ropes and nets into flakes or granules that can be used back into the manufacturing process.

Your SOREMA advantages:

- ✎ Profitable recycling solutions.
- ✎ Low energy consumption.
- ✎ High efficiency in contamination removal.
- ✎ Special fiber drying system.

SAVING THE WASTE PULPER WASTE

SOREMA module, developed in cooperation with leading European paper mills, has been designed to recover fiber from pulper waste with a high controlled friction system.

Your SOREMA advantages:

- ✎ Increase the paper fiber recovery after the pulper process.
- ✎ Give a second life to the plastic fraction.
- ✎ Reduce landfill costs in papermill business.

TRUST YOUR CHOICE

COMPLETE SOLUTIONS

To support you, Sorema provides ideal solutions and takes care of raw material handling and integration of reliable third parties equipment like bottles/flakes automatic sorting, metal separation, waste compactors, extrusion & regradation systems and, last but not least, complete wastewater treatment plants.

SOREMA AS A MAIN CONTRACTOR

- Partnership approach.
- Coordination of all sub-suppliers optimizing the project management.
- Fast plant start-up thanks to Sorema single partner.
- Optimized management and operation costs.
- Automatic waste material handling.





Since 1922 Previero Group supplies innovative customized solutions for size reduction and plastics recycling systems in all 5-continent.

We, all together, are committed to our Customer success focusing on environment protection.

SOREMA

division of

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