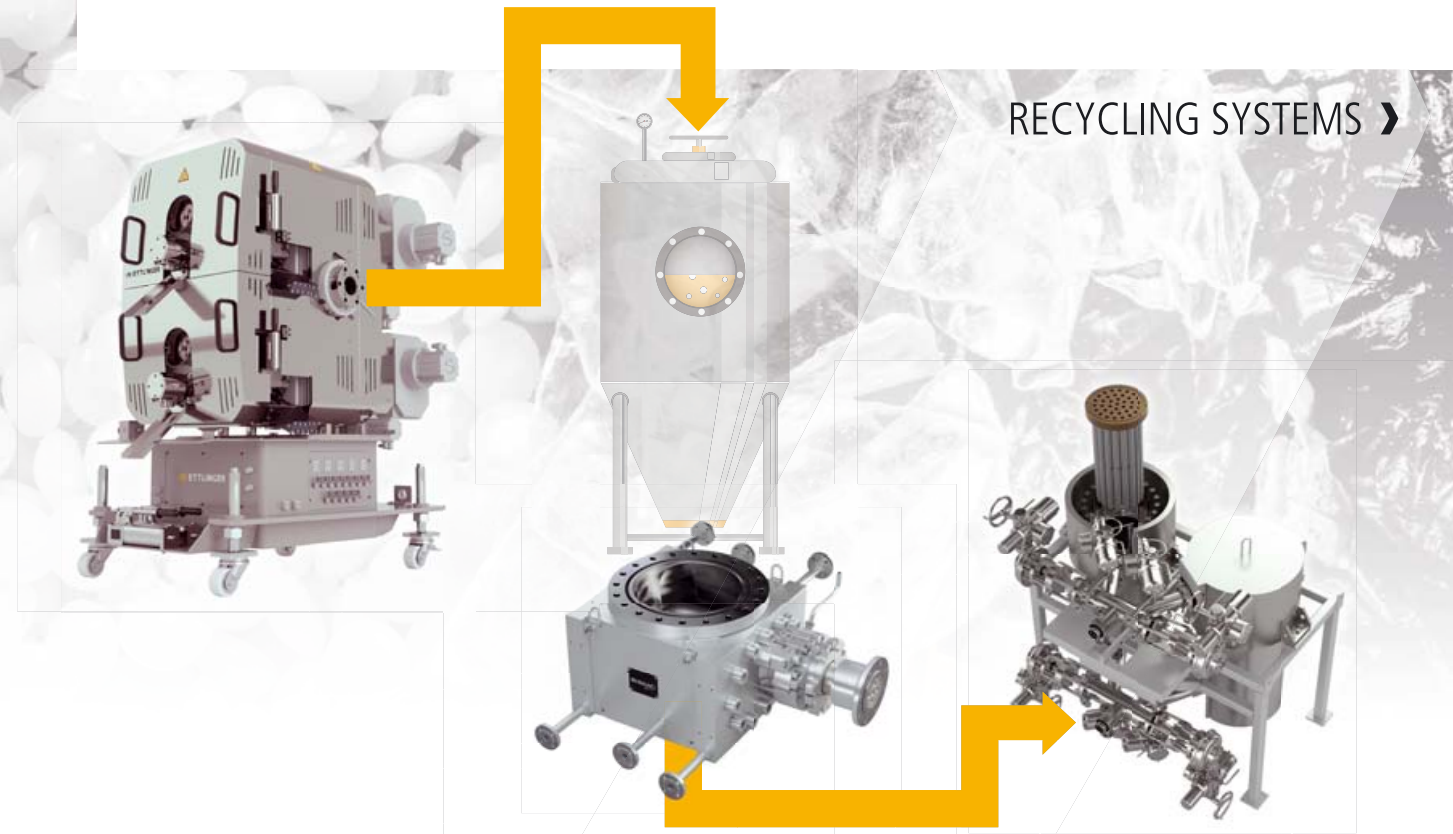
MAAG Group
a DOVER company

RECYCLING SYSTEMS ›



Advanced Recycling

Optimized equipment for the recycling industry

Advanced recycling or chemical recycling can be used to process plastic waste that is not mechanically recycycled for technological, economical or ecological reasons.

We supply you with reliable equipment that can be used in advanced recycling processes like

- Dissolution
- Solvolysis
- Pyrolysis
- Gasification
- Enymolysis

and thus make our contribution to a higher recycling rate.

Proven Gear Pump Reliability

- For Polymer Melts
- For Chemicals

Low-Purge Continuous Filtration

- Safety Filtration
- Pre-Filtration
- Fine Filtration

Uniform Quality Pelletizing

- Underwater Strand Pelletizing
- Underwater die face Pelletizing

Pellet Dryers to Suit Requirements

- Post-Consumer (PCR / Flake) Designs
- Polymer
- Low-Moisture

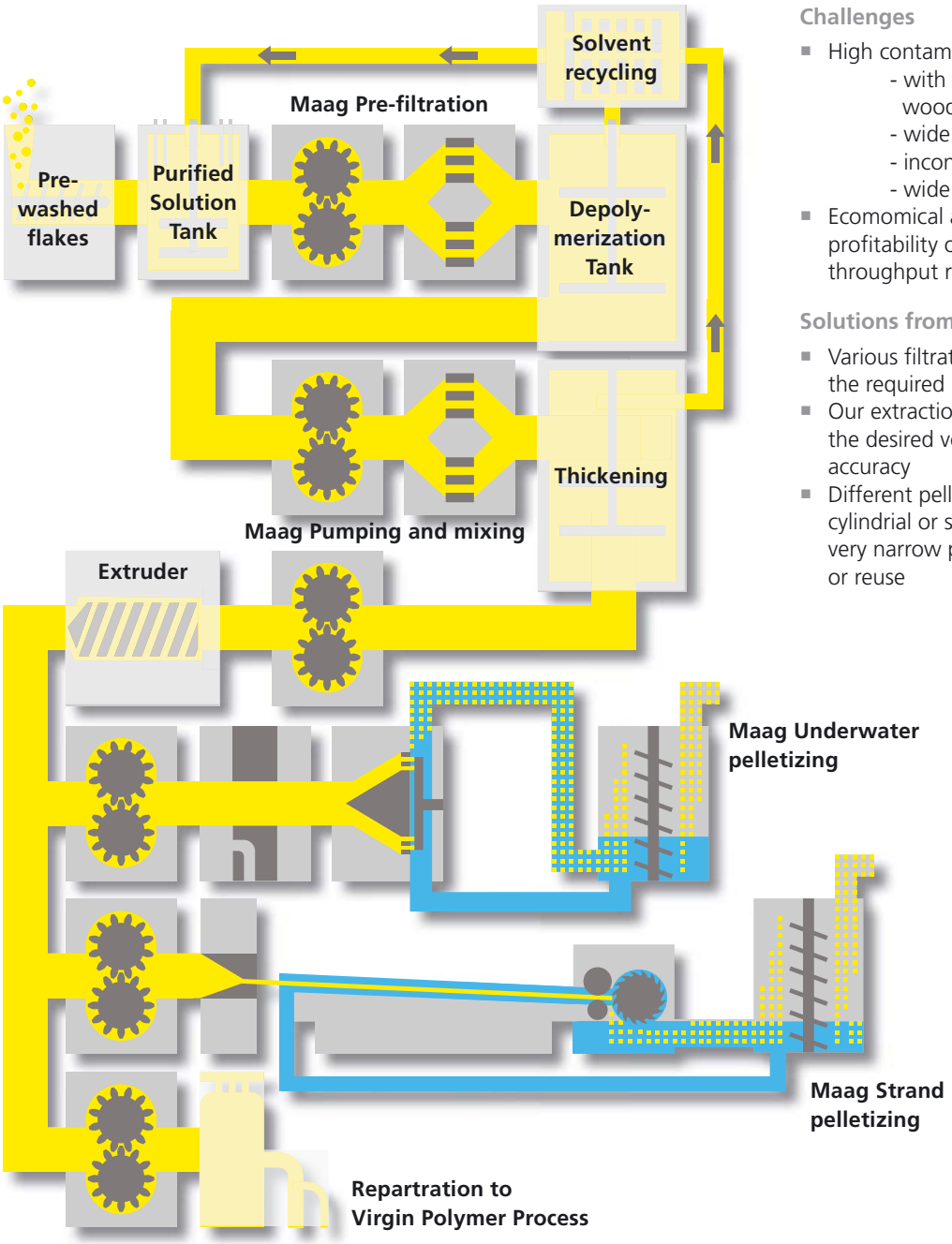
Digitalization

- Advanced industrial control systems

Advanced Recycling

Optimized equipment for the recycling industry

Our equipment and solutions cover the entire plastics value chain and help to introduce used plastics back into high quality products.



Challenges

- High contamination
  - with different materials like wood, paper, aluminum ...
  - wide viscosity range
  - inconsistent feedstock
  - wide color range
- Ecomomical and commercial profitability only at high throughput rates

Solutions from MAAG Group

- Various filtration systems provide the required purities
- Our extraction gear pumps ensure the desired volumetric discharge accuracy
- Different pelletizing systems produce cylindrial or spherical pelletes with a very narrow particle distribution or reuse

As a specialist for polymer filtration and recycling systems, we have developed custom melt filtration and pelletizing systems that meet the strict requirements of our customers. Our systems provide solutions to process the most demanding material streams and turn them into valuable resources. Our goal is to preserve material properties and produce pellets that are equal in quality to virgin materials when processing post-consumer and post-industrial plastic materials.

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