

# PLASTIC RECYCLING SOLUTIONS



## RECYCLING TECHNOLOGIES TO MEET REGULATIONS & MARKET REQUIREMENTS

The minimization of plastic waste and reuse of plastic materials is a clear target around the world. Government regulations for recycled content in end-products are already in place – and will be even more challenging in the future. This, coupled with currently valid market requirements to process a certain amount (up to 100%) of recycled plastic in end-products, leads to a rising demand for high-grade recycled plastic – a situation that generates new business opportunities.

To be successful in the plastic recycling industry in the long term, recyclers today must not only recycle with maximum efficiency, they must also meet those strict requirements for a high quality of the recycled end-product – especially when it comes to recycled plastic for food packaging.

We at Rieckermann provide consultations to converters and recycling companies to help them optimize their waste-handling processes and increase environmental protection through proven recycling technologies and customized process solutions. Our portfolio covers **energy efficient mechanical recycling solutions** that convert **inhouse, industrial, and post-consumer waste** into **high-grade resins**.

## OUR PORTFOLIO

- Sorters
- Shredders & granulators
- Washing lines
- Extruders
- Repelletizers
- Blending, storage & packing
- In-house recycling solutions
- Bottle-to-Bottle with FDA approval
- Bottle-to-Fiber
- Solid-state post-condensation (SSP)
- Recompounding solutions



## PLASTIC RECYCLING LINES

Although it is required to correctly sort the raw material in order to achieve the best possible results, **mechanical recycling is the most cost-effective and energy-efficient plastic recycling technology on the market.**

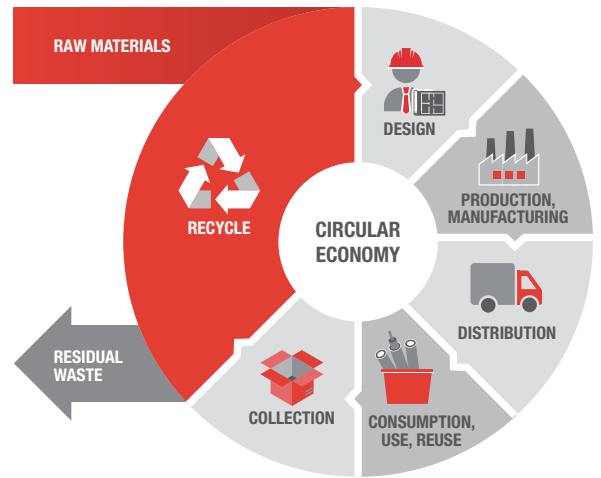
We offer **upcycling solutions** that improve the grade of the input material by adding e.g. fibers, additives and filling materials in one step and so create superior recycling compounds for high-grade applications.

Additionally, we supply **washing** and **complete extrusion lines** for recycling of almost all kinds of plastics such as LDPE film, HDPE, PE, PP, PS and ABS as well as complete turn-key solutions for PET recycling lines including SSP reactors to increase the intrinsic viscosity (IV)-value.

Whether you are already in the recycling business and want to expand capacity, improve the quality of the recycled plastic, or raise the degree of automation, or if you are planning to enter this very interesting but also competitive market, we can take care of your project every step of the way.

Rieckermann's recycling solutions for in-house, industrial and post-consumer plastic waste can support the desired goal of reducing the amount of unrecycled plastic waste, while increasing your profits along each step of the recycling chain.

## WE HELP YOU PROGRESS TOWARDS A CIRCULAR ECONOMY



### YOUR BENEFITS

- Proven state-of-the-art technology
- Highly automated
- Reduced water & energy costs
- Inline wastewater treatments
- Upcycling & recompounding solutions
- Whole plant design & turn-key solutions
- Upgrade of existing recycling lines
- Staff training



### FROM WASTE TO VALUE

- Recycle your inhouse production waste (edge trim, set up waste etc.) & reintegrate it into your production process
- Recycle sorted industrial & post-consumer plastic waste & produce a superior quality
- Create recycling compounds for high-grade applications

## MAKING THE MOST OF YOUR INDUSTRIAL PRODUCTION & PROCESSES

For all addresses and contact information of our local offices please visit our website: [www.riekermann.com](http://www.riekermann.com). We will be pleased to be of assistance.

### CONTACT US TO LEARN MORE

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