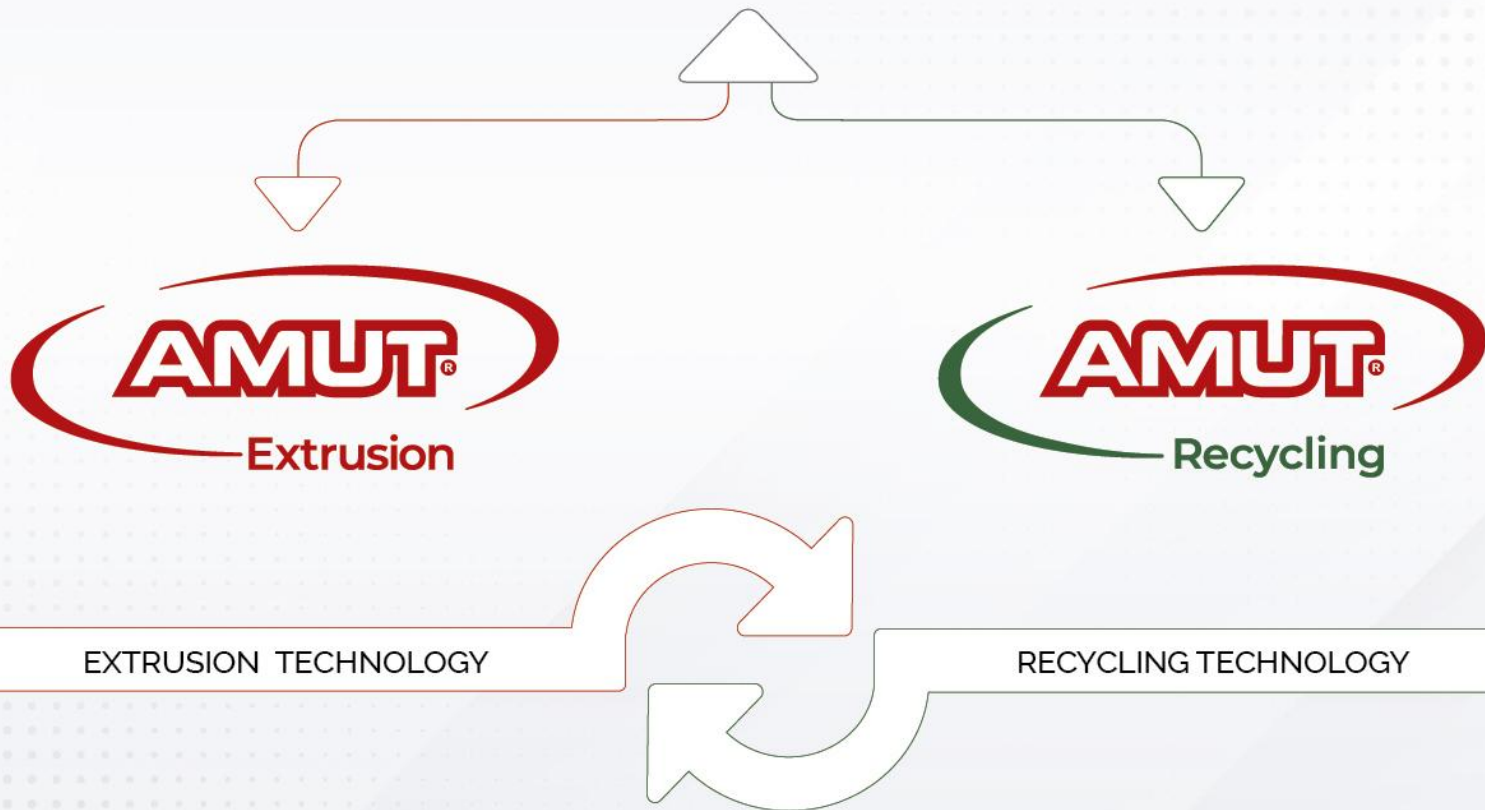






Clever solutions for plastics



Recycling Division since 1985 :



- **Waste sorting plants and equipment**
- **Washing Plants** for PET/HDPE/PP bottles and containers and PE film
- **Sorting and Washing Integrated Expertise** delivering **Cutting-edge Recycling end-to-end solutions.**



PET trays challenges:

- Feedstock's **organic contamination** is significantly higher compared to PET bottles.
- **IV** of thermoformed packaging is lower than molded packaging, normally $< 0,65$
- **Feedstock's brittleness** increases fines generation
- **THE REAL CHALLENGE: Multilayer** trays, accounting for up to 50% of the feedstock, carrying significant polymer contamination!

Current available solutions struggle to efficiently process multilayers, often resulting in degraded product or worse requiring the removal of multilayers at sorting stage, with heavy impacts:

- Reduced yield, leading to lower profitability of recycling operations
- Increased pressure on supply chain resulting in higher complexity of sorting operations

Lack of proven circularity may limit multilayer packaging under EU rules favoring recyclable and sustainable materials!

**To make trays truly circular multilayers
shall remain in the loop!!**

AMUT TRAY TO TRAY

From Development to Full Industrial Operation

- Technology in development since 2018
- Now running at full industrial scale

Capable of Processing Mixed PET Tray Feedstock

- Handles both monolayer and multilayer trays
- Multilayers remain in the stream—regardless of quantity

Patented AMUT Technology in Action

- Material is washed and multilayers are mechanically delaminated
- Produces high-quality, hot-washed flakes



Closing the Loop on PET Trays

- Flakes suitable for PET sheet used in food-contact packaging

**A proven industrial solution for PET tray circularity—
keeping multilayers in the loop!**

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