



Design for Recycling & Circularity

Thermoforms Conference

Meet Sukano

A Family Business with **Global Presence**

Your specialist for tailor made **additive and color masterbatches** in polyesters, biopolymers, engineering resins, and high-temperature polymers.



- Headquartered in Switzerland with manufacturing facilities located on 3 different continents
- Global distribution network
- Regional application developments, production, sale and technical services
- 100+ employees worldwide
- 35+ years experience

Challenges in the PET Recycling Market

1. Quality of Recycled PET (rPET)

- Maintaining consistent quality for food-contact applications and packaging
- **Sukano's Contribution**
 - Innovative **masterbatches** to enhance rPET processing performance and material properties

2. Recyclability and Certifications

- Complying with global standards for food safety and recyclability
- **Sukano's Contribution**
 - Ensuring compliance with certifications for safe rPET use also in multiple loops
 - Technical support for **Design for Recycling (DfR)** guidelines to ensure compatibility with the recycling stream

3. Collection and Sorting

- Addressing regional disparities in PET collection and sorting systems
- **Sukano's Role**
 - Enhancing material design for improved detectability and sorting efficiency

4. Regulatory and Market Dynamics

- Meeting ambitious recycled content targets, including stringent degrees of purity
- **Sukano's Role**
 - Absence by design of specific chemical substances; NIAS
 - Partnering across the value chain to achieve **circular economy goals**

Mechanical Recycling Protocols

PETCORE Tray Circularity Evaluation Protocol (TCEP) and **EPBP** quick tests for PET Recycling replicated in our lab

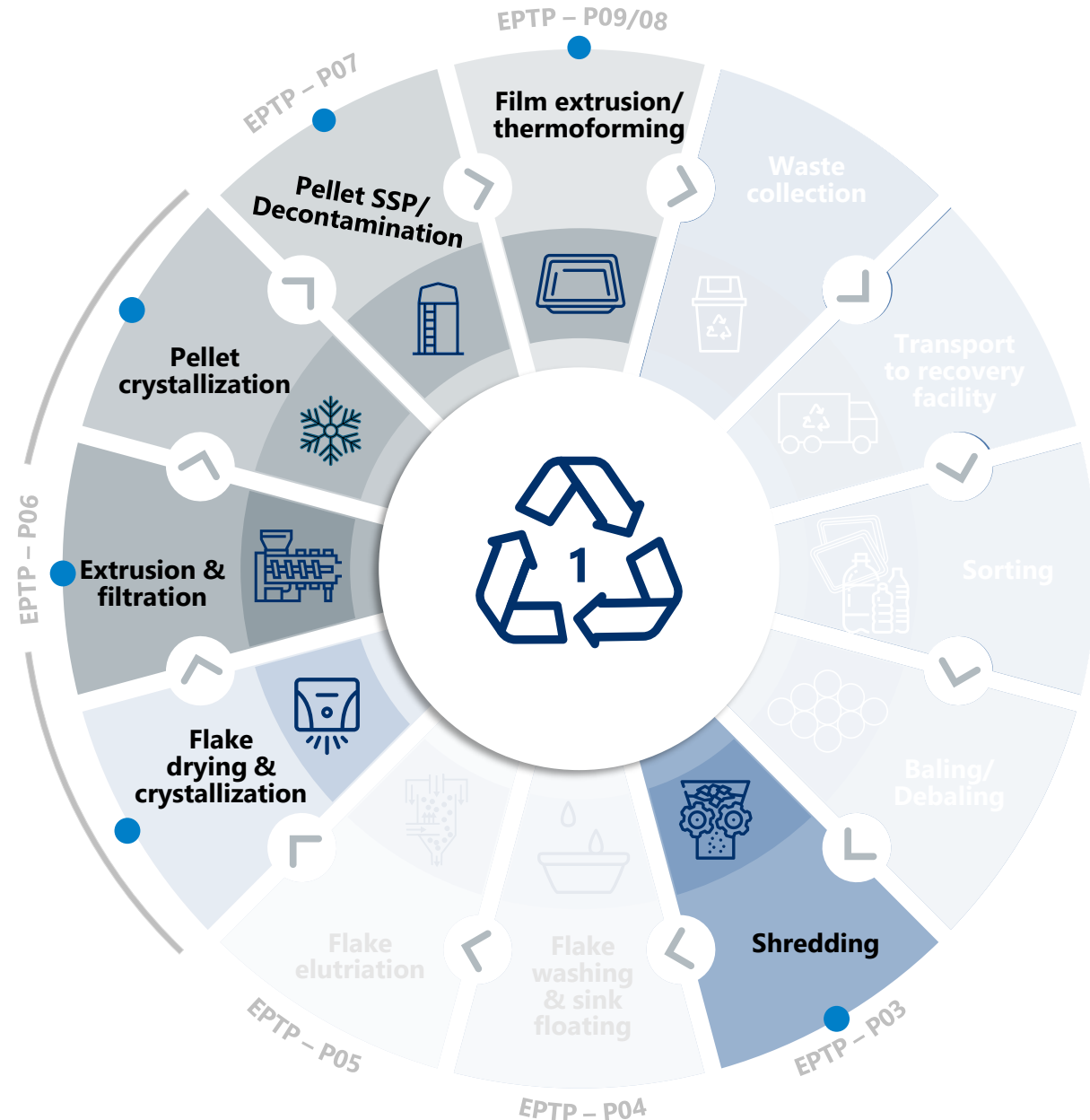
Sukano supports the UN Sustainable Development Goals:



78% is designed for existing mechanical recycling streams

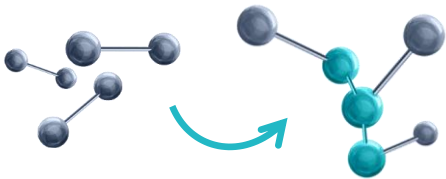


91% supports food safety and minimizes waste



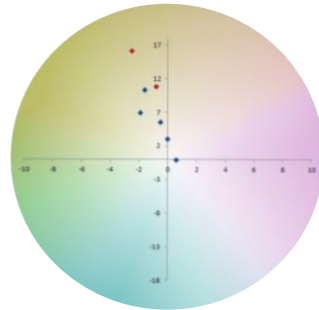
Product Portfolio

to Enhance the Use of **rPET**



Melt Viscosity Enhancers

- IV recovery
- Reduced SSP time
- Stable processing



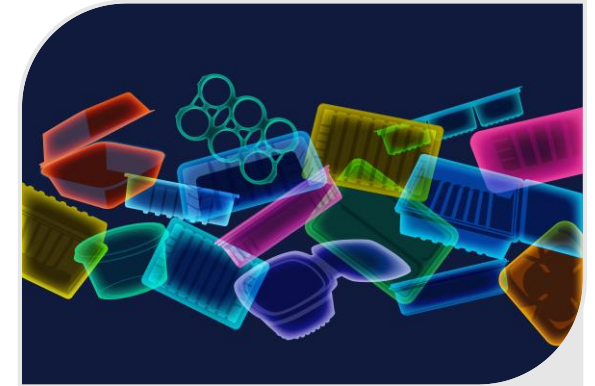
Color Correction

- Anti-yellowing effect
- Neutralization
- Bright and white opaque



Impact Modifiers

- Enables flash frozen & cold applications
- Shatter resistant
- Available in transparent



NIR Detectable Colors

- PET detection and sorting
- Colored and black PET
- Improved quality of recycling streams

Sukano's masterbatches are also available on rPET carrier



Driven by expertise

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