

# TAILOR-MADE EXTRUSION CONCEPTS FOR RECYCLING AND COMPOUNDING

DISCOVER OUR EDELWEISS-COMPOUNDING  
SOLUTION



***KraussMaffei***  
*Pioneering Plastics*

# KRAUSSMAFFEI SOLUTIONS FOR RECYCLING AND COMPOUNDING

## Example I: Recycling and compounding with twin-screw extruder

**Task:** Processing of PP recycle (washed and dried) with up to 30% talcum

**Capacity:** Up to 3.000 kg/h

**Target:** Production of compounds

**Scope:** Complete plant from silo to silo

## Example II: EdelweissCompounding with twin-screw and twin-screw extruder

**Task:** Recycling of post-consumer waste (PP, PE, DSD) and general compounding (filling, reinforcing, colouring, adding of additives, etc.)

**Recycling capacity:** Up to 3.500 kg/h

**Compounding capacity:** Up to 6.000 kg/h

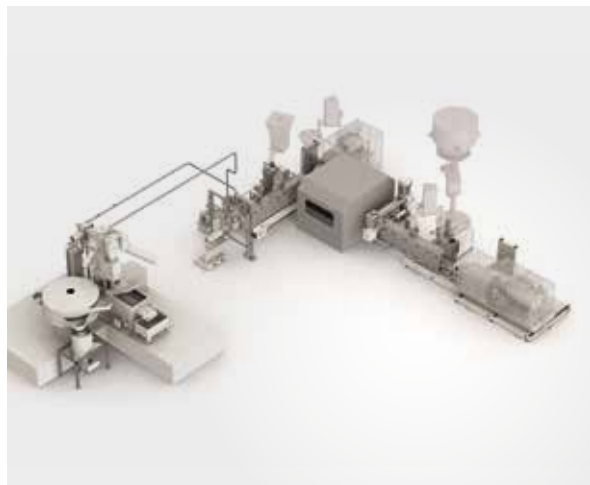
**Target:** Production of compounds 100% comparable to virgin quality compounds

### Scope:

- Preparation by customer (washing, grinding, sorting, etc.)
- Material handling/feeding system for recycling extruder
- Cutter Compactor (optional)
- Twin-screw extruder for recycling
- Melt pump and filtration
- Twin-screw extruder for compounding
- LIW-Feeding system for compounding extruder
- Pelletizing system
- Finished product handling
- Control system for whole line



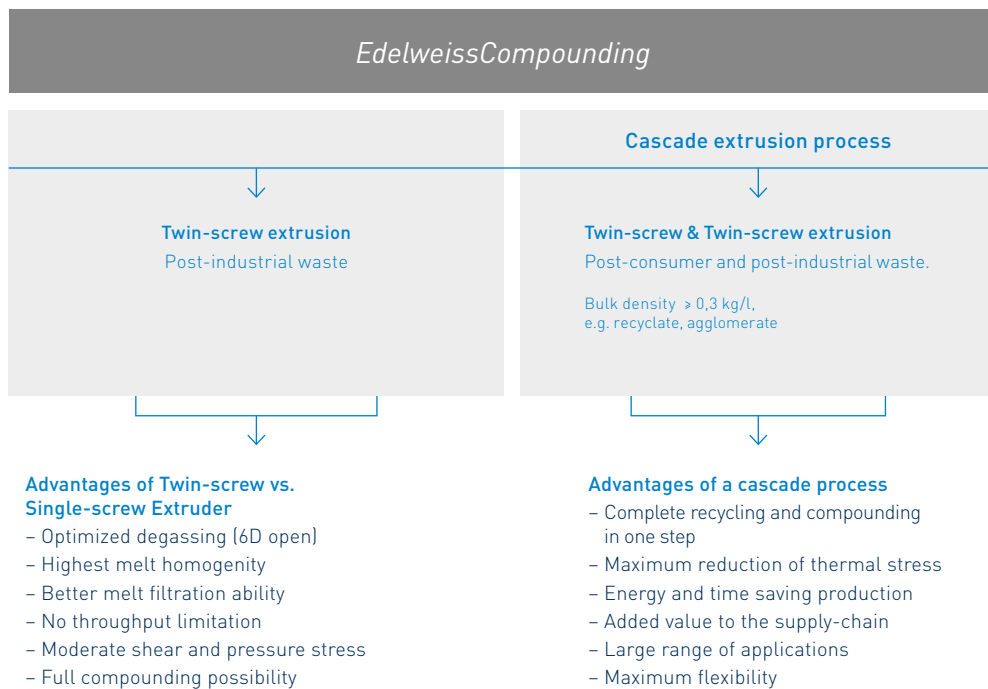
*ZE BluePower twin-screw extruder series stands out for numerous innovative features in terms of energy efficiency and process engineering*



*EdelweissCompounding with twin-screw and twin-screw extruder*



## Concept overview EdelweissCompounding



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