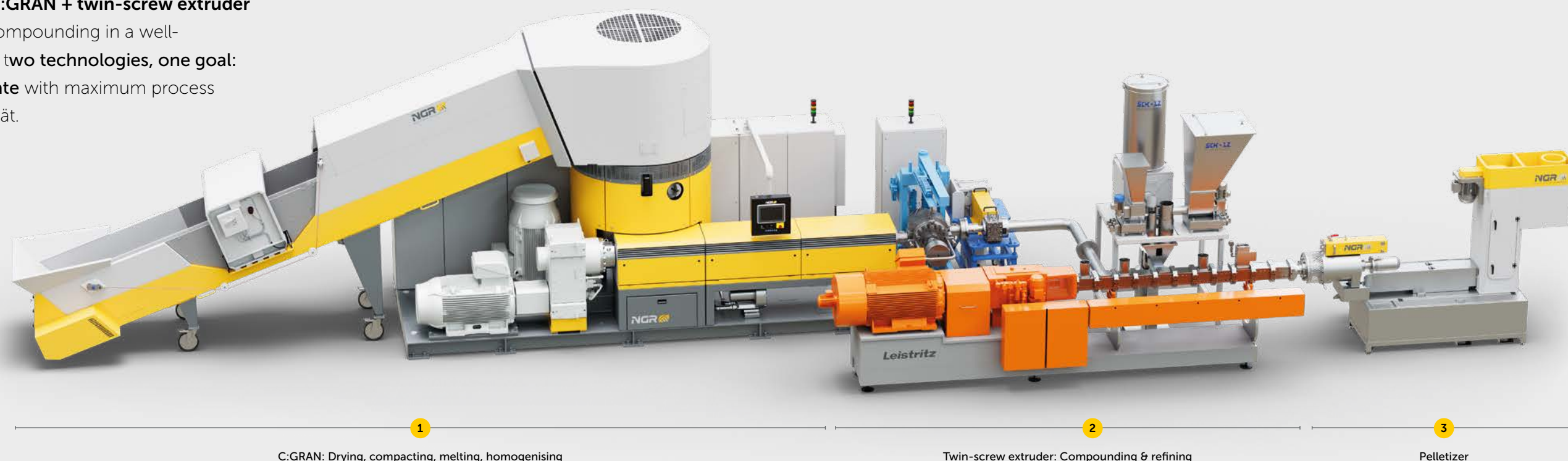


C:GRAN-TWIN

COMPACTOR-EXTRUDER – TWIN SCREW-COMBINATION

The combination of C:GRAN + twin-screw extruder unites recycling and compounding in a well-thought-out process – **two technologies, one goal: high-quality regranulate** with maximum process reliability and flexibility.ät.



C:GRAN + Twin-Screw Extruder Compounding, Degassing, Refining

STEP 1

Efficient preparation – flexible, robust, proven

The C:GRAN system forms the heart of the recycling line. It combines the **cutter-compactor** and **single-screw extruder** into a highly automated and robust solution for material preparation.

THE C:GRAN STANDS FOR

- > Drying, densifying & homogenizing in the cutter-compactor
- > Gentle melting with a robust single screw
- > Automatic process adjustment through Auto-Pilot
- > Melt filtration tailored to the process

In just one thermal step

Even challenging materials with **high moisture** content are no problem. Optionally, this machine can be equipped with a modular degassing unit.

YOUR BENEFITS

- > Robust single-screw extruder for the melting process
- > High process stability even with fluctuating material quality
- > No separate pre-drying required
- > Compact design, low maintenance effort

STEP 2

Compounding & upgrading directly integrated

The processed and filtered material is transferred directly into the **twin-screw extruder** without remelting – saving energy and protecting the polymer. At the same time, the twin screw enables **targeted upgrading of the material**, making it ideal for high-value applications..

THE TWIN SCREW STANDS FOR

- > Incorporation of additives, fillers, colorants, stabilizers, glass fibers, and more
- > Homogenization and dispersion at the highest level
- > High-quality, multi-stage melt degassing
- > Effective VOC reduction through stripping process

YOUR BENEFITS

- > Customized pellets – adaptable to market requirements
- > One melting process – two process steps
- > Minimal energy consumption with low production costs
- > Maximum dispersion / homogenization

C:GRAN-TWIN,
the right answer to the
ever-increasing quality requirements
of the circular economy.