

Working for a better future

Next Generation Recyclingmaschinen GmbH
Who we are.

MEMBER OF NEXT GENERATION GROUP

Administration
Sales / Resources
Legal
Accounting
Finance
Marketing
Production
Research
Business
Development
Engineering
Manufacturing
Planning

TECHNOLOGY

PRODUCT



Success
needs a
vision.

Each company has one or more goals: sales, satisfied customers, high-performing employees. Of course, at NGR we also have these goals. Above all, however, we have a mission.

We are working
for a better
future

„All action alters the future. It's on us to change it for the better.“
- Gerhard Ohler, CEO -

I recycle? Do you?



> 200

Highly Qualified Employees



> 1,450

Installed Base



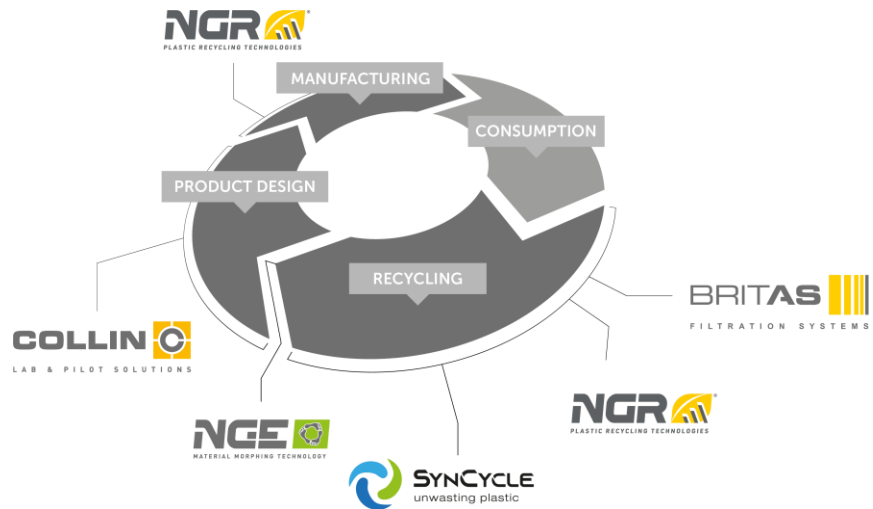
> 90

Installed in Number of Countries

Next Generation Holding GmbH:

- Josef Hochreiter
- Gerold Barth
- INGKA Group





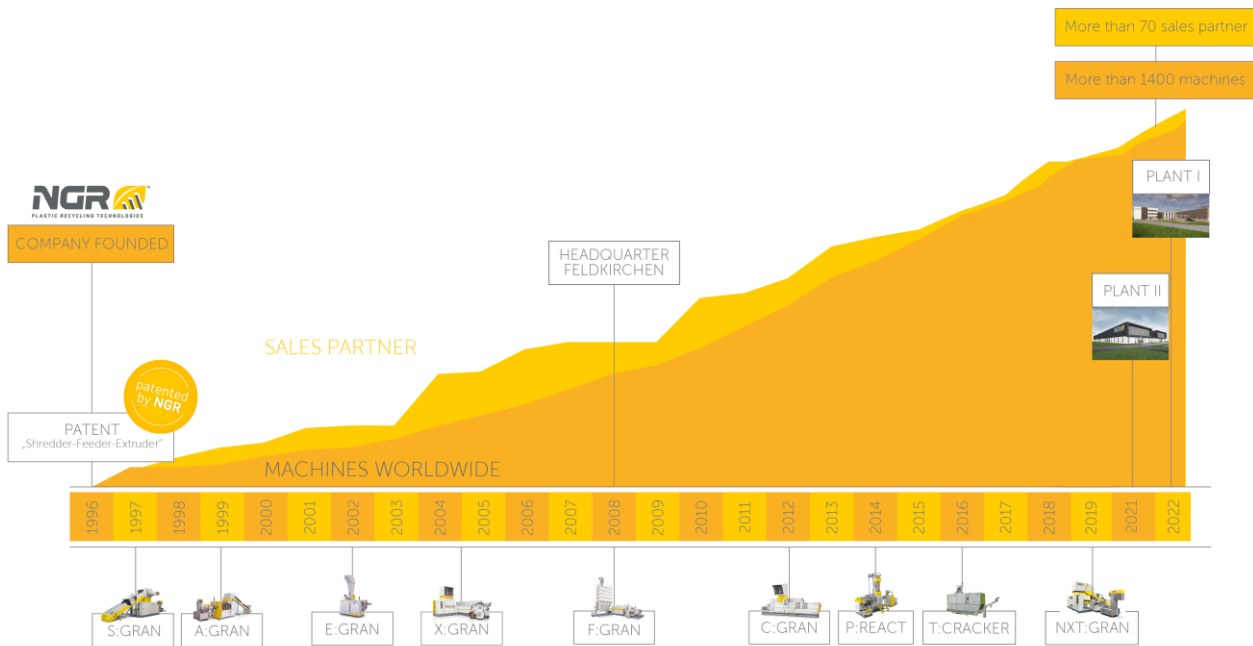
NGR is member of

NEXT GENERATION GROUP

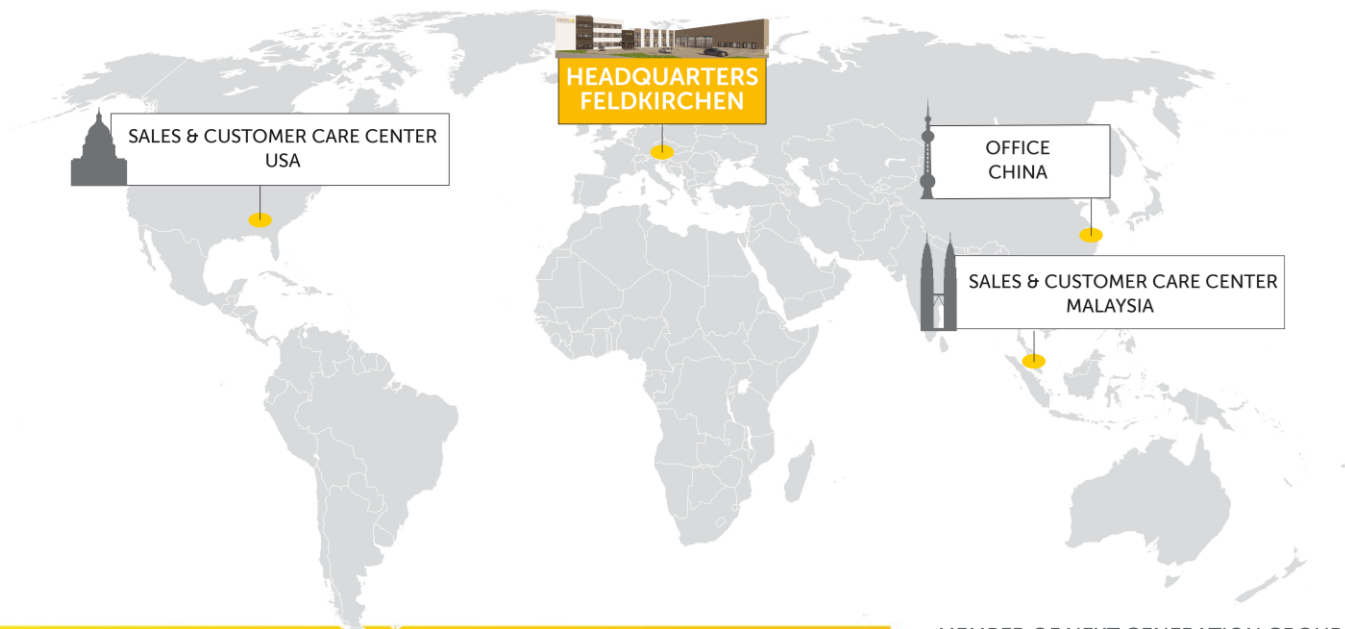
The **only global technology provider** representing the entire product life cycle.

The central common goal is to support the plastics industry to **change from the linear to the circular economy**.

Step by step into a better future



We are always close to you



Plastics Recycling Reimagined



Post
Industry
Recycling



Post
Consumer
Recycling



PET
Improvement



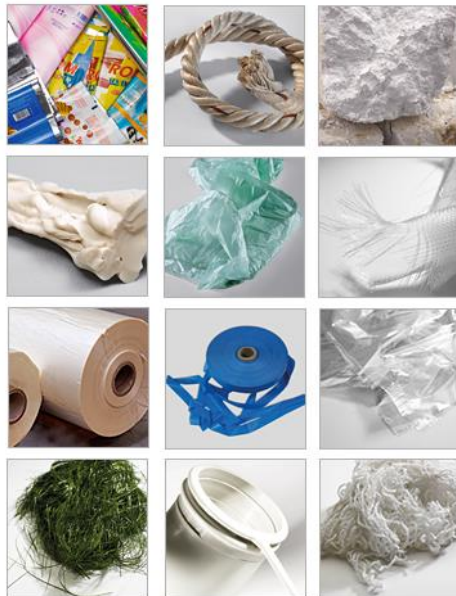
Service &
Retrofit



Post Industrial Recycling (PIR)

Residual products left behind plastic production are valuable raw material and shall be fed back into production. Our sophisticated recycling machines handle this task flawlessly.

Economic and environmental sustainability are our primary focus.



Post Industrial Recycling



Material in-feed:

Post industrial inhouse scrap

Dry, quite clean

A very valuable source for re-processing inhouse



E:GRAN

The compact repelletizing solution
for any type of film

- > Effective film preparation
- > Output rate up to 120 kg/h (270 lbs/h) depending on type
- > Automatic adjustment of the extruder speed to fluctuating edge trim amounts
- > Switching on and off by a single push button
- > Clean, dust-free operation:
The machine can even be installed in production halls
- > One-step-technology – without additional intermediate steps



A:GRAN

The multi-talented,
high performer

- > Processing industrial plastic waste of any kind
- > Output rate up to 120 kg/h (270 lbs/h) depending on type
- > Switching on and off by a single push button
- > Quick and easy start-up and shut-down at any time



S:GRAN

The universal solution
for industrial plastic waste

- > Simple, material-conserving processing of industrial plastic waste of any type
- > Patented single-shaft shredder/extruder combination from the inventor
- > Output rate up to 800 kg/h (1,760 lbs/h) depending on type
- > Switching on and off by a single push button
- > Quick and easy start-up and shut-down at any time
- > Small footprint saves space



NXT:GRAN

Tried-and-tested system
Sets new standards

- > Simple, material-conserving processing of industrial plastic waste of any type
- > Patented single-shaft shredder/extruder combination from the inventor
- > Output rate up to 800 kg/h (1,760 lbs/h) depending on type
- > Quick and easy start-up and shut-down at any time
- > Performance increase thanks to Duo-Direct feeder
- > Simple maintenance thanks to large maintenance openings



X:GRAN

The power package for plastic waste
of all shapes and sizes

- > Easy, material-conserving processing, even for difficult industrial plastic waste
- > Output rate up to 2,500 kg/h (5,070 lbs/h) depending on type
- > Switching on and off by a single button
- > Quick and easy start-up and shut-down at any time
- > Small footprint saves space



PET Improvement

PET materials such as empty bottles, films or textile fibers represent a valuable raw material.

Thanks to NGR technology PET is recycled and can be further processed to the highest standards. Food-grade and material friendly!



PET Improvement



Material in-feed

Bottle flakes, PET fiber, PET sheet,... recycled to
100% food grade quality with FDA and EFSA approval and brand owner
confirmation



LSP: Liquid State Polycondensation

P:REACT

The future of PET recycling

- > PET recycling at the highest level
- > Output rate up to 3,000 kg/h (6,600 lbs/h/) depending on type
- > Continuous process with enormous process stability
- > Significantly higher energy efficiency than conventional SSP applications
- > Approval by FDA and EFSA for 100 % food safety



Post Consumer Recycling (PCR)

Nearly 50% of produced plastic gets thrown away after just one use. This waste could serve as a valuable resource if only we took advantage of it.

Our machines ensure that single-use plastics find their way back into the material cycle.



Post Consumer Recycling

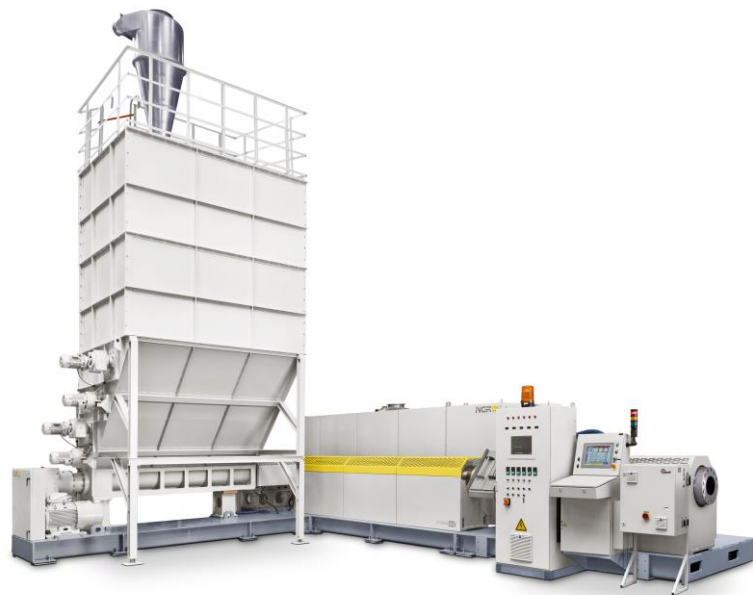


Material in-feed

Post consumer scrap from the market

High moisture rates, contaminated with sand, soil, food ingredients,...

Pre-steps (washing line) and high-performance filters required



F:GRAN

The efficiency star
for pre-shredded material

- > Processing regrind and film flakes
- > Output rate up to 2,500 kg/h (5,070 lbs/h) depending on type
- > Switching on and off by a single push button
- > Simple, stable process
- > Storage silo up to 30 m³ for material buffer
- > Maximum ease of use, possibly operator free



C:GRAN

The cutting specialist for wet materials

- > Preparation of flakes and films with residual moisture up to 12%
- > Output rate up to 2,500 kg/h (5,500 lbs/h) depending on type
- > Temperature regulation in the cutter bin
- > Ideal as a component of a cascade or compounding system
- > Makes a perfect combination with ABMF melt filter



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for a better
future.

THANK YOU FOR YOUR ATTENTION!