TECHNOLOGY

The water ring, hot die granulation device, including the water treatment unit and the centrifuge, is manufactured in stainless steel. The melt emerges from nozzles arranged in a circle on a wear-resistant perforated plate and is then granulated by the cutter blades.

The size of the granulate can be adjusted by changes to the speed of the cutters. The granulate hits the water ring, which is created in the granulation housing, cools and is then removed. Subsequently, the granulate is dewatered by a centrifuge and transported away. The process water returns to the stainless steel water tank via a screen and is then pumped into the granulator housing through a heat exchanger. A volume sensor on the water tank allows the automatic refilling of the process water.

Type	Pellet output (kg/h) | lbs/h
HD 100	20 – 150 | 44 – 330
HD 200	100 – 250 | 220 – 550
HD 300	200 – 400 | 440 – 880
HD 500	300 – 600 | 660 – 1,320
HD 700	500 – 800 | 1,100 – 1,760
HD 1100	800 – 1.200 | 1,760 – 2,640
HD 1400	1.000 – 1.400 | 2,200 – 3,080
HD 2000	1.200 – 2.000 | 2,640 – 4,400

APPLICATIONS

For all types of thermoplastic melts, except for PA 6.6, PET, and PPT melts with MFI > 100.

We are equipped
for every recycling requirement!

And this is our complete product programme. More information under www.ngr.at

E:GRAN
10 - 50 kg/h | 20 - 110 lbs/h

A:GRAN
20 - 100 kg/h | 44 - 220 lbs/h

S:GRAN
140 - 800 kg/h | 300 - 1,760 lbs/h

X:GRAN
900 - 2.000 kg/h | 2,000 - 4,400 lbs/h

WE TAKE CARE OF YOUR PLASTIC WASTE

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HOT DIE GRANULATION (HD)

HD

- Further development of granulation technology
- For all types of thermoplastic melts, except for PA 6.6, PET, and PPT melts with MFI > 100
- In various sizes for outputs of 20 – 2.000 kg/h | 44 - 4,400 lbs/h

HD 300 – 700

10 | 09, E

NGR-hot die-granulation has been further developed and apart from an excellent price-performance ratio, offers rapid cutter setting, constant pressure and a tangible reduction in employee workloads!

As determined by the system, during HD granulation (hot die), the melted plastic strands produced by the extruder are chopped into granulate by rotating cutting blades. The granulate is then cooled by a water ring and removed.

The new NGR-HD-granulation automatically maintains uniform blade pressure. The combination of a simple, rigid cutting head and a pneumatic, axially adjustable cutter shaft allowing precise adjustment by means of a manometer or an electronic pressure regulator (option) to a blade pressure that ensures minimum wear. Accordingly, no separate setting of the individual blades is required.

HD 100

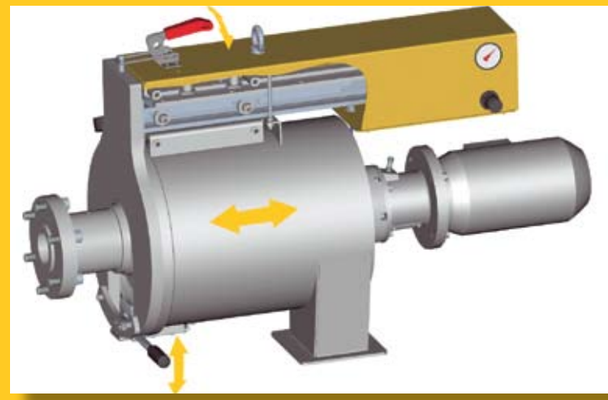
ADVANTAGES

- Very simple and therefore rapid setting of the blades and pressure
- Alterations to blade pressure during operation
- Extremely long blade life
- Simple blade design
- Retention of the defined pressure even after cutting blade changes
- Especially easy manual opening and closing
- Small dimensions – particularly in the case of types with high outputs
- Tangible reductions in employee burdens and shorter plant downtimes due to the prolongation of the maintenance intervals and the shortening of servicing times
- Insensitivity to throughput changes

Pneumatic device for constant cutter blade pressure

OPTIONS

- Various perforated plate and cutter head designs for differing applications
- Blade wear indicator
- Electronic cutter blade adjustment



Smooth linear movement