



# HG D

Hot die face pelletising systems with Direct Drive technology  
for thermoplastics

CHOOSE THE NUMBER ONE.

# HG D

## Pelletising made easy.

The proven EREMA hot die face pelletising systems have undergone another stage of development. The focus has always been on straightforward handling and easy maintenance. **The new HG 154 D, HG 244 D and HG 344 D systems set higher standards in terms of functional reliability, straightforward operation and versatility.**



HG 154 D with Direct Drive technology

GS-10 Water basin series

Pellet drying centrifuge



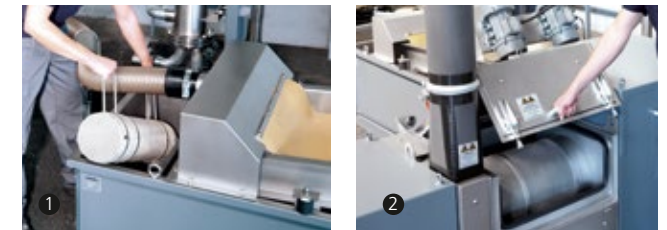
Throughput scale

### Direct Drive technology

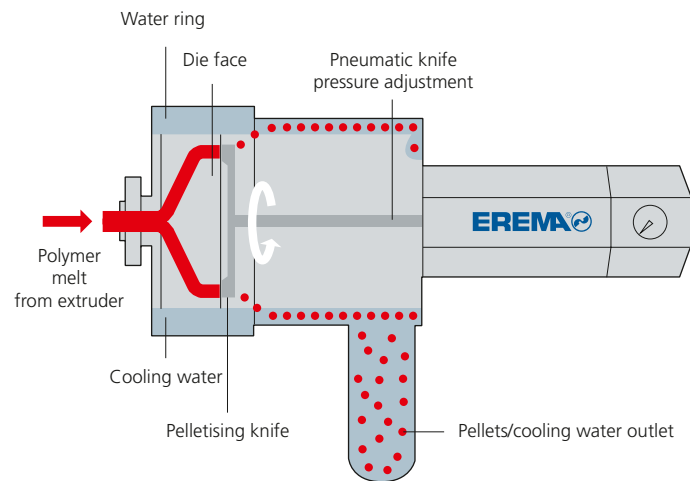
- **Maintenance-free and smooth mechanical action** of knife head pressure
- **Knife head drive shaft with direct drive**
- **Outstanding cutting precision** in combination with fully automatic pneumatic cutting pressure setting
- **Pelletiser knives and die face have a long service life**

### Improved downstream components

- **Optimised pellet water removal screen** with self-cleaning effect and easy-change filter cartridge ❶
- **Pellet centrifuge for enhanced drying performance** featuring Direct Drive technology
- **Blower and noise protection integrated in pellet centrifuge housing** – compact downstream components
- **Folding housing cover on pellet centrifuge** for simple cleaning when changing colours and straightforward maintenance ❷



New pellet water separation screen and new pellet centrifuge



## How it works

The melt which comes out through boreholes on the **heated die face** is cut off by rotating knives as it exits and centrifugal force pushes the pellets produced outwards in a rotating water ring. This cools the pellets and transports them via a discharge channel to the downstream **pellet water separation screen**. The pellets are separated from the cooling water at this point. The pellets then pass through the oversize particle separator to the **drying centrifuge**. The pellets are conveyed using a stream of air through the transport line to the silo

or bagging system. The cooling water circulates in a closed circuit and is fed back to the pelletising head through a **cooling water filtering system** and a heat exchanger using a water pump.

The special design of the pelletising cooling system enables the system to operate at relatively high cooling water temperatures of over 20°C. This results in the reduction of cooling water costs.

## Technical data HG D

Systems available	Throughput (kg/h)	
	min.	max.
<b>HG 84 D</b>	50	300 kg/h
<b>HG 154 D</b>	150	650 kg/h
<b>HG 244 D</b>	400	1500 kg/h
<b>HG 344 D</b>	1000	3000 kg/h

The hot die face pelletising systems can be used for almost all conventional thermoplastic melts with the exception of PA 6.6, PET and PP melts with an MFI (Melt Flow Index) of over 100g/10min. EREMA strand pelletising systems are used for PA 6.6 and PET.



## Technical benefits

- **Direct Drive technology** with vibration-free design
- **Lifetime lubrication** of the drive shaft
- **Very long pelletiser knife service life** thanks to special cutting geometry and automatic pneumatic knife pressure
- **Automatic pelletiser function supervision** with alarm signal and automatic shutdown in the event of a malfunction
- **Optional automatic pelletiser speed adjustment control** ensures reliable operation with constant pellet size, even with fluctuating melt throughput

## Economic benefits

- **Suitable for use with virtually all standard extruders**
- **High degree of operational reliability and considerable reduction in maintenance costs**
- **Simple and rapid pelletiser knife changeover** without adjustment work saves time
- **Flexible arrangement of equipment downstream of pelletiser**
- **Reduced cooling water costs** thanks to efficient pellet cooling system

# The specialists in plastic recycling systems.

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## More questions?

### We would be pleased to answer them!

Your EREMA advisor will be pleased to attend to your request personally and quickly. If you are interested in a demonstration or a test run with your specific material it would be a pleasure for us to make an appointment and welcome you to our EREMA Customer Centre at the headquarters in Ansfelden, near Linz in Austria.

We look forward to seeing you at EREMA!

### For worldwide representatives please visit [www.erema.at](http://www.erema.at).

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## HGD

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English