HG D
Hot die face pelletising systems with Direct Drive technology for thermoplastics
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 D
Pelletising made easy.

Improved downstream components
- Optimised pellet water removal screen with self-cleaning effect and easy-change filter cartridge
- 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

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

HG 154 D with Direct Drive technology
GS-10 Water basin series
Pellet drying centrifuge

New pellet water separation screen and new pellet centrifuge
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

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 pelleting head through a **cooling water filtering system** and a heat exchanger using a water pump.

The special design of the pelleting 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

<table>
<thead>
<tr>
<th>Systems available</th>
<th>Throughput (kg/h)</th>
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<tbody>
<tr>
<td></td>
<td>min.</td>
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<tr>
<td>HG 84 D</td>
<td>50</td>
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<tr>
<td>HG 154 D</td>
<td>150</td>
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<td>HG 244 D</td>
<td>400</td>
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<td>HG 344 D</td>
<td>1000</td>
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The hot die face pelleting 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 pelleting systems are used for PA 6.6 and PET.
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

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