The Rapid RG Series is specifically designed for beside-the-press recycling of hard and brittle materials. The ultra-slow rotor speed and screenless operation provides low noise level and very low dust level even with the most filled and brittle materials.

The Rapid RG Series can also be equipped with the patented Integrated Metal Detection technology (IMD). IMD virtually eliminates the risk of damage to the machine from metal fragments that may have entered the granulator undetected. Additionally, it minimizes the possibility of these small metal fragments passing through the machine to damage downstream equipment such as injection feeder screws or even moulding tools.

- **Slow speed granulation**
  - Converts filled and brittle material to high-quality regrind.

- **Closed Loop Operation**
  - High quality regrind can be fed back directly back to the production process.
  - No labour cost, no cross contamination.

- **IMD**
  - Integrated Metal Detection – Minimizes the risk that foreign metal parts destroy the granulator. As the machine stops for detected metal it also minimizes the risk for further problems downstream e.g. injection moulding screw and tool.

- **Easy cleaning and service**
  - Easy and direct access to rotor and cutter house simplifies cleaning when changing colour and material.
  - The optional sliding mechanism for disconnecting the rotor simplifies the handling and service of the machine.

- **No compromises**
  - In Rapid we make no compromises, that's why we are the most trusted name in granulators.

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**Rapid GRG series**

**Slow-speed granulators**

Rapid RG1
RG2
RG3
RG4
RG4 Twin
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Rapid RG series

Slow-speed granulation
The slow-speed concept is ideal for granulating glass fiber filled, brittle and/or thick walled sprues and components.

Easy cleaning:
Easy and direct access to rotor and cutter house simplifies cleaning when changing colour and material.

Turnable knives and scrapers:
Knives are made from high alloy steel and are turnable which provides maximum rechippability. Turningknives are possible and prolongate lifetime even more.

Adjustable regrind evacuation:
Suction pipe can be positioned in any direction, 360° around, always permitting the best position of the machine.

Double rotor cutter house:
For bigger sprues and components or for higher capacity the RG-4 TWIN version could be the perfect solution.

Masher system:
The masher pushes voluminous products and sprues to the cutting rotors to increase the efficiency. Single or double-masher depending on what is needed in the specific application.

Specifications

<table>
<thead>
<tr>
<th>Standard models</th>
<th>RG1</th>
<th>RG2</th>
<th>RG3</th>
<th>RG4</th>
<th>RG4 Twin</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutter house width, (mm)</td>
<td>175×220</td>
<td>265×220</td>
<td>359×220</td>
<td>453×220</td>
<td>453×510</td>
</tr>
<tr>
<td>Motor speed, (rpm)</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
<td>25</td>
</tr>
<tr>
<td>Crusher blades</td>
<td>1</td>
<td>3</td>
<td>4</td>
<td>7</td>
<td></td>
</tr>
<tr>
<td>Motor segments</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>5</td>
<td>9</td>
</tr>
<tr>
<td>Motor, (kW)</td>
<td>0,75</td>
<td>0,75</td>
<td>1,5</td>
<td>1,5</td>
<td>2×2,2</td>
</tr>
<tr>
<td>Hopper inlet, (mm)</td>
<td>up to 5</td>
<td>up to 10</td>
<td>up to 20</td>
<td>up to 30</td>
<td>up to 50</td>
</tr>
<tr>
<td>Throughput capacity, (kg/hr)</td>
<td>up to 5</td>
<td>up to 10</td>
<td>up to 20</td>
<td>up to 30</td>
<td>up to 50</td>
</tr>
<tr>
<td>Weight (kg)</td>
<td>240</td>
<td>280</td>
<td>340</td>
<td>390</td>
<td>670</td>
</tr>
</tbody>
</table>

Options

PLC-intelligent operation
- Integrated IMD function
- Records all stoppages, d亻颗s during operation for evaluation and documentation
- Integrated hour counter for frequently planned service intervals
- Different programs for masher and cutter to tailor the operation for a specific application

REV-function:
- Integrated safety against metal. The IMD stops the granulator when it gets activated by any metal and minimizes the risk of damaging the machine itself. As the machine stops the granulator it also minimizes the risk of metal to reach the injection moulding screw as well as the tool.

IMD – Integrated Metal Detection
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Adjustable regrind evacuation:
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RG4 Twin

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Rapid is the world leader in granulation. We develop, manufacture and market individual granulators and completely integrated recycling solutions for the plastics industry.

With an extensive granulator range, from table-top units to giant machines, we can satisfy virtually all your granulation needs.

Our products are regarded as the most ruggedly built, most dependable and of the highest quality available on the market. And our excellent spare parts service helps to keep them in top condition.

We are dedicated to partnering with you. With over 60 years of experience, a global presence, and more than 70,000 units installed worldwide, we offer you our expertise, our people, and our resources.

Rapid strives to exceed your expectations in recycling plastic waste.