In addition to different widths that suit your granulation needs, the granulators can be upgraded to PowerTech performance suitable for the toughest technical plastics containing glass fibre and other abrasive fillers.

The combination of open-hearted concept, amazing application flexibility and the production of even better quality regrind across the complete family adds up to the formula for success in the highest-performance granulation.

Rapid's "open-hearted" engineering concept is now built into each granulator model of its Rapid 300, 400 and 500 Series. The big benefit of being open-hearted is that it boosts performance by providing direct and easy access to the heart of a machine to achieve very rapid cleaning and maintenance times for fast production changeovers. Such extremely short pit stops maximize uptime and minimize labor costs. The clear access to core machine parts also allows "visibly clean" inspection and approval, preventing contamination at color and material changes.

Once again, Rapid confirms that it leads the field with innovative design and makes no compromises in providing you with high-performance granulators.
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Quality regrind – for consistent production processes

Extremely short pit stops
Saving costs by simplifying your cleaning and service dramatically

Maximize uptime
Efficiency is about uptime, uptime is about simplicity.

“Visibly clean” inspection
Prevent cross-contamination when changing material or colour.

No compromises
In Rapid we make no compromises, that’s why we are the most trusted name in granulators.
Improved safety interlock
The new design of the safety interlock system allows quicker opening of a granulator. It is also safer because its speed-related sensor ensures that the rotor is standing still before the granulator can be opened.

Easy cleaning and maintenance
The outstanding ergonomic design of all models allows you to rapidly reach the heart of the machine and gain access to appropriate parts to achieve fast cleaning, maintenance and changeover times. “Visibly clean” inspection and approval is a further benefit.

Highest-quality regrind
The Rapid cutting technique comprising clean double scissors-cutting action and constant cutting circle produces granules of a uniform size with minimal dust content even with the toughest materials.

Less energy
The true double scissors action reduces the force needed to slice through plastic waste. Therefore a smaller motor can be used to significantly reduce energy consumption.

Reversible screen
The screen can be turned, providing longer lifetimes and maximum durability.

Power-assisted opening/closing
Rapid opening and closing of the infeed hopper is assured by gas springs or a motor-driven jack.

Infeed configurations
A great number of hopper alternatives are available as standard options depending on application and infeed method. Most of the standard hoppers are of modular design and can be easily reconfigured later if needed.

“Open-Hearted Engineering”

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>400-45</td>
<td>400-60</td>
<td>400-90</td>
<td>400-120</td>
</tr>
<tr>
<td>Rotor diam. (in)</td>
<td>170</td>
<td>190</td>
<td>220</td>
<td>250</td>
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<tr>
<td>Rotor type</td>
<td>3-blade, open</td>
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<tr>
<td>Fixed knives</td>
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<tr>
<td>Cutterhouse, Super-T, mm</td>
<td>620 x 450</td>
<td>920 x 450</td>
<td>1000 x 450</td>
<td>1220 x 450</td>
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<tr>
<td>Tangential, mm</td>
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<td>700 x 450</td>
<td>1220 x 360</td>
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<tr>
<td>Hopper inlet</td>
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<td>900 x 350</td>
<td>1220 x 350</td>
</tr>
<tr>
<td>Motor, standard (kW)</td>
<td>18.5</td>
<td>22</td>
<td>22</td>
<td>22</td>
</tr>
<tr>
<td>Motor alternatives</td>
<td>11 / 15 / 18.5 / 22 / 32</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Throughput capacity, (kg/h) up to</td>
<td>up to 400</td>
<td>up to 600</td>
<td>up to 750</td>
<td>up to 900</td>
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<tr>
<td>Weight (kg)</td>
<td>1250</td>
<td>1500</td>
<td>1750</td>
<td>2100</td>
</tr>
</tbody>
</table>

Features
Pre-adjustable knives
Double scissors cutting action
Rotor stand still guard
Swing-out cutter house front/rear
Heavy duty transmission
Easy removable flaps
Solid stand with machine shoe

Options
5 blade rotor, increase throughput
PowerTech package, wear resistant execution
Various hoppers for sheets, pipes/profiles, belt conveyor, roll feed
Extra fixed knives, increasing throughput, Tangential
Screen diam. (mm) | 17 / 19 / 25 / 32 / 38 / 45

Electrical jack opening
Knife setting jig
Level indicator

Super-Tangential
The Super-Tangential cutter house is ideal for voluminous parts and scrap providing excellent gripping. Standard configuration includes two fixed knives.

Tangential
For more thick-walled and compact parts the Tangential cutter house is ideal. Configuration includes two fixed knives (red). If increased throughput is required, a third fixed knife can be specified (yellow). 5 blade rotor to further increase throughput is also available.
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.