Granulation System Options

Your EconoGrind granulator can be tailored to meet a wide variety of requirements using our comprehensive range of fittings and accessories. EconoGrind offers increased performance and reduced labor requirements at a low price for maximum cost efficiency.

The Economic Choice

The goal of the Economizer line of equipment is to provide our customers with value-priced equipment and systems backed by The ACS Group’s world-class customer service support.

EconoGrind brand granulators and recycling equipment provide our customers with an opportunity to maximize their recycling capability while minimizing their investments. From small, low-speed granulators to large, high-performance granulators, the EconoGrind range of machines covers the whole spectrum of plastic size reduction applications. Our high-quality products are backed by a six month warranty on both mechanical and electrical components.

If you think you can’t afford to recycle, think EconoGrind.

Call us to find out how we can help you maximize your recycling returns.

Visit our website at www.econogrind.com. Please visit or call us anytime to discuss your recycling needs.
High Performance Granulators

The ES Series of high performance granulators are designed with years of engineering knowledge to maximize the performance of the machines. They can solve almost any plastic granulation challenge. The durable welded steel housing and removable deflector wedge make these granulators suitable for even the most demanding granulation tasks. From the open 3-blade aggressive bite rotor to the heavy-duty semi-closed 9-blade rotor, the ES Series offers a complete range of rotor configurations for whatever the application demands. All machines in the ES Series produce a high quality granulate, whether it be from injection molded articles, sprues, pipes, profiles, sheets, film, or start-up and purgings. The machines have a long service life, and they are economical, reliable, and easy to clean. EconoGrind also offers a wide range of necessary accessories, such as blowers, vacuum takeover systems, conveyors, metal detectors, and fine separators. Sizes ES 350/500 to 560/1000 are available with integral soundproofing.

Operational Reliability
All EconoGrind granulators are manufactured to meet the highest safety standards and are in compliance with ANSI and NFPA requirements. All machines offer a full 6-month warranty backed by the ACS Customer Service Group and its global network of parts and service centers.

Rotor Options
Different applications require different rotor types, but one aspect is the same on all EconoGrind rotors—the new more-effective V-cut technology. The known advantages of cross-cut technology are retained, but the V-cut takes place only at the point where the blades cross, instead of across the whole blade width instantaneously. The result is reduced wear, noise, fines, and power requirements. V-cut technology goes one step further in that the chevron-style blade arrangement creates material movement towards the center of the rotor, preventing problems of material build-up, frictional heat generation, and excessive wear at the side plates of the machine.

Superior Cutting Action
The rotor knives are positioned in accordance with the latest V-cut engineering technology. Contrary to the older cross-cut action for rotor knives, the V-cut configuration conveys the material toward the center of the rotor, avoiding material build-up at the side walls, as well as unnecessary wear.

Simple Knife Setting
Both rotor and bed knives are pre-set outside the granulator cutting chamber in a supplied bench-top fixture. Awkward adjustments inside the machine are no longer necessary. All the knives are manufactured from heavy-duty D2 tool steel and can be re-sharpened numerous times.

Specially Developed Deflector Wedge
A removable adaptor carrying a third bed knife, referred to as the deflector wedge, can be installed to alter the infeed cross-section and the first cutting point of the granulator as required. This simple installation option allows great flexibility.

Convenient Housing Design
The housing design is set at the center line and the upper half of the cutting chamber can be opened hydraulically (ES 350/500 and 400/600 are manual only). Easily exchanged wear plates bolted to the side plates ensure long life and the screen is held in position by a hinged cradle for easy accessibility.

Robust Bearing Assembly
The extremely durable pedestal bearing housings are mounted outside the machine away from the cutting chamber to prevent dust and dirt contamination of the oversized bearings. This ensures long life and minimum maintenance requirements.

Dimensions (in.)

<table>
<thead>
<tr>
<th>Model</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 350/500</td>
<td>85</td>
<td>28</td>
<td>43.3</td>
<td>59.9</td>
<td>59.5</td>
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<tr>
<td>ES 400/600</td>
<td>105.5</td>
<td>38.2</td>
<td>77.7</td>
<td>73.6</td>
<td>115.3</td>
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<tr>
<td>ES 560/700</td>
<td>147.2</td>
<td>42.5</td>
<td>66.9</td>
<td>81.8</td>
<td>156.7</td>
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<td>147.2</td>
<td>54.3</td>
<td>78.7</td>
<td>84.6</td>
<td>156.7</td>
</tr>
<tr>
<td>ES 800/1200</td>
<td>155.9</td>
<td>58.6</td>
<td>85.8</td>
<td>120.8</td>
<td>270.8</td>
</tr>
</tbody>
</table>

* Subject to Technical Modifications

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High Performance Granulators

The ES Series of high performance granulators are designed with years of performance in mind. They can solve almost any plastic granulation challenge. EconoGrind offers a complete range of rotor configurations for whatever the application demands.

All machines in the ES Series produce a high quality granulate, whether it be from injection molded articles, sprues, pipes, profiles, sheets, film, or start-up and purging. The machines have a long service life, and they are economical, reliable, and easy to clean. EconoGrind also offers a wide range of necessary accessories, such as blowers, vacuum takeaway systems, conveyors, metal detectors, and fine separators. Sizes ES 350/500 to 560/1000 are available with integral soundproofing.

Superior Cutting Action
The rotor knives are positioned in accordance with the latest V-cut engineering technology. Compared to the older cross-cut action for rotor knives, the V-cut configuration conveys the material toward the center of the rotor, avoiding material build-up at the side walls, as well as unnecessary wear.

Simple Knife Setting
Both rotor and bed knives are pre-set outside the granulator housing in a supplied bench-top fixture. The deflector wedge, referred to as the V-cut configuration, can be installed to alter the initial cutting point of the granulator as required. This simple installation option allows great flexibility.

Convenient Housing Design
The housing design is split at the center line, and the upper half of the cutting chamber can be opened hydraulically (ES 350/500 and 400/600 are manual only). Easily exchanged wear plates bolted to the side plates ensure long life and the screen is held in position by a hinged cradle for easy accessibility.

Robust Bearing Assembly
The extremely durable pedestal bearing housings are mounted outside the machine to prevent dust and dirt contamination of the oversized bearings. This ensures long life and minimum maintenance requirements.

Operational Reliability
All EconoGrind granulators are manufactured to meet the highest safety standards and are in compliance with ANSI and NFPA requirements. All machines offer a full 6-month warranty backed by the ACS Customer Service Group and its global network of parts and service centers.

Specifications*

<table>
<thead>
<tr>
<th>Model</th>
<th>Rotor Diameter In. (mm)</th>
<th>Rotor Width In. (mm)</th>
<th>Feed Opening In. (mm)</th>
<th>Drive Capacity HP (kW)</th>
<th>Throughput1 lbs./hr (kg/hr)</th>
<th>PVC</th>
<th>LDPE</th>
</tr>
</thead>
<tbody>
<tr>
<td>ES 350/500</td>
<td>2 (50)</td>
<td>2 (50)</td>
<td>85.0</td>
<td>25 (11)</td>
<td>660 (300)</td>
<td>330 (150)</td>
<td></td>
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<tr>
<td>ES 400/600</td>
<td>5 x 2</td>
<td>13.7 (350)</td>
<td>33.3</td>
<td>50 (15.8)</td>
<td>1325 (600)</td>
<td>770 (350)</td>
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</tr>
<tr>
<td>ES 560/700</td>
<td>5 x 2</td>
<td>22.0 (560)</td>
<td>19.7 (500)</td>
<td>55 (22.5)</td>
<td>1765 (800)</td>
<td>880 (400)</td>
<td></td>
</tr>
<tr>
<td>ES 560/1000</td>
<td>5 x 2</td>
<td>39.3 (1000)</td>
<td>31.5 (800)</td>
<td>100 (55)</td>
<td>2865 (1300)</td>
<td>1325 (600)</td>
<td></td>
</tr>
<tr>
<td>ES 800/1200</td>
<td>7 x 2 or 9 x 2</td>
<td>47.2 (1200)</td>
<td>47.2 x 37.0</td>
<td>200 (110)</td>
<td>8800 (4000)</td>
<td>4000 (1800)</td>
<td></td>
</tr>
</tbody>
</table>

Throughputs vary depending on material being processed.

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