The highlighted models are manufactured as standard units and are available at short notice. All other types are made to order. Deliveries can be agreed after agreement.

Range of the SMS series

<table>
<thead>
<tr>
<th>Type</th>
<th>Feed opening</th>
<th>Rotor Ø</th>
<th>Weight (kg)</th>
<th>Capacity (kg/h)</th>
<th>Drive (kW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMS 30/50</td>
<td>500 x 490</td>
<td>300</td>
<td>1800</td>
<td>200-400</td>
<td>1</td>
</tr>
<tr>
<td>SMS 30/80</td>
<td>500 x 790</td>
<td>300</td>
<td>2100</td>
<td>250-500</td>
<td>1</td>
</tr>
<tr>
<td>SMS 45/60</td>
<td>600 x 578</td>
<td>450</td>
<td>3000</td>
<td>400-1200</td>
<td>37-90</td>
</tr>
<tr>
<td>SMS 45/100</td>
<td>600 x 980</td>
<td>450</td>
<td>4800</td>
<td>600-1500</td>
<td>45-90</td>
</tr>
<tr>
<td>SMS 60/100</td>
<td>720 x 980</td>
<td>600</td>
<td>5000</td>
<td>1000-2200</td>
<td>55-110</td>
</tr>
<tr>
<td>SMS 80/120</td>
<td>940 x 1154</td>
<td>800</td>
<td>9000</td>
<td>2000-5000</td>
<td>75-160</td>
</tr>
<tr>
<td>SMS 80/160</td>
<td>940 x 1555</td>
<td>800</td>
<td>1000</td>
<td>2500-6000</td>
<td>90-200</td>
</tr>
<tr>
<td>SMS 80/200</td>
<td>940 x 1960</td>
<td>800</td>
<td>15000</td>
<td>3000-8000</td>
<td>90-200</td>
</tr>
</tbody>
</table>

SMS Series

Options/specialized features

Herbold granulators can be incorporated into any automated production line or process as we have a large number of options available as well as a design team to meet your needs. Options include but not limited to the following:

- Electronic metal separation and magnetic units for extraction of foreign metallic objects
- Air extractors and screening machines for separation of dust particles and specific light parts on the granulate
- Amperage overload cutout for regulating the load and amount of feed articles during the loading of the machine
- Pneumatic and mechanical loading units for feeding the machine or for removal of the finished granulate
- Pre-cooling unit for reduction of heavy-duty materials and to regulate a continuous flow of material
- Pulverizers for fine particle size
- Storage silos before and after the granulator
- Conveyer belts and feed rolls for sheeting, edge trims and webbing

SMS 80/120

1. Rotor locking device for safety during knife exchange
2. Additional lateral fasteners for additional clamping force
3. Additional reenforcement at the rear wall of the housing
4. New position of the pivoting cylinder
5. Additional lateral fasteners for additional clamping force

Granulators & shredders | Pulverizers | Plastcompactors/agglomerators | Washing systems/plants | Service

For more information, please see our videos on our website www.herbold.com

Our product range

Guillotines
Sheeters
Hammer mills
Granulators
Pulverizing systems
Washing systems & components
Plastcompactors/agglomerators

HEAVY DUTY, FLEXIBLE DESIGN

- Heavy-duty knife granulator for tough applications and maximum output
- Flexible design for multiple applications by means of a removable deflection wedge
- Energy-efficient double cross cutting action
- Constant cutting circle due to adjustable rotor and bed knives
- Optimum access to the cutting chamber for ease of cleaning and maintenance

Herbold Meckesheim GmbH
Industriestr. 33 | 74909 Meckesheim | Postfach 1218 | 74908 Meckesheim | Deutschland
Tel.: + 49 (0) 6226/932-0 | Fax: + 49 (0) 6226/932-495
E-Mail: herbold@herbold.com | Internet: www.herbold.com

Subsidiary in the US:
Herbold Meckesheim USA | Resource Recycling Systems Inc.
130 Industrial Drive | North Smithfield, RI 02896, USA | P.O. Box 239 | Slatersville, RI 02876, USA
Tel.: +1 401 597/5500 | Toll-free (US/CDN): +1 888/612 RRSI (7774) | Fax: + 1 401 597/5535
E-Mail: info@herboldusa.com | Internet: www.herboldusa.com

All indications are not binding and subject to change 01/2017.

Herbold Warranty Limited
Monticello, IL 61856-8698 | Phone: 800-366-3884 | Fax: 815-343-3012
Email: qualitycontrol@herbold.com | Internet: www.herbold.com

Granulators & shredders | Pulverizers | Plastcompactors/agglomerators | Washing systems/plants | Service
The SMS series has the same innovative advantages of all the Herbold granulators:

- Heavy duty welded/machined steel construction
- Split housing design above the rotor for maximum access
- Outboard mounted pillow block bearings
- Rotor and bed knives are adjusted from outside of the granulator
- Constant cutting circle due to adjustable knives
- Compact and space-saving design

The SMS series is designed for wide application range

- The deflection wedge is an integral part of the granulator and the knives are pre-adjusted to a future outside of the granulator. This process saves time because no screwing is necessary, and the cutting wedge is pre-set to the full working width of the knives. This sets us apart from our competitors.

Knife adjustment from outside of the granulator

- The rotor and bed knives are adjustable from the front of the cutting chamber. This allows for easy cleaning and maintenance.
- For cleaning and maintenance purposes, the granulator can be opened very quickly. The housing is a hinged design, which allows for access to the cutting chamber. This design provides optimum access to the maintenance area, which can be opened very quickly. The rotor and bed knives are adjustable from the front of the cutting chamber, ensuring a constant knife gap across the full length of the knife. Thus, the power requirement is reduced, the inertia is increased, and the quality of the material is improved. With this design, the cutting knife is always in operation while the maintenance is being performed.

Optimum access for easy cleaning and maintenance

- Storage conveyor-horizontal belt
- Inclined conveyor belt
- Metal detector ferrous/non-ferrous
- Granulator with pulpitour style rotor
- Dosing of separating agent
- Negative pressure pneumatic conveying system
- Fines separator model HS
- Support plate for knives
- Extract air filter/dust collector

Double cross cutting action with outboard mounted rotor bearings

- The rotor and bed knives are mounted in opposing angles to ensure a steady cutting gap across the full length of the knife. Thus, the power requirement is reduced, the inertia is increased, and the quality of the material is improved. With this design, the cutting knife is always in operation while the maintenance is being performed.

Wear protection for abrasive materials

- For the processing of abrasive materials (e.g. glass fiber reinforced plastics) the Herbold series SMS features an optional complete wear protection package for the granulator’s housing and rotors.
- All areas susceptible to wear can be fitted with hardened exchangeable wear parts throughout the cutting chamber.
- The susceptible areas of rotors are manufactured as replaceable wear parts.

The susceptible areas of rotors are manufactured as replaceable wear parts.

---

**Granulators**

- Heavy duty welded/machined steel construction
- Split housing design above the rotor for maximum access
- Outboard mounted pillow block bearings
- Rotor and bed knives are adjusted from outside of the granulator
- Compact and space-saving design

---

**SMS series with forced screw feeding**

- Cross section of cutting chamber with deflection wedge for massive pieces
- The susceptible areas of rotors are manufactured as replaceable wear parts.
- The susceptible areas of rotors are manufactured as replaceable wear parts.

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**Sound insulation**

- With the overall ambient noise of operating plants on the rise sound insulation gains more and more importance. According to the application Herbold has developed a standard sound insulation concept. e.g. 2-piece sound insulation box, sound insulation tunnel and sound insulation boxes, sound insulation systems for conveyor fed applications, sound insulation for pneumatic conveying systems. With the customers’ design requirements Herbold’s design team can provide a suitable solution to meet those needs.

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**EHST knife series**

- For customers demanding abrasive applications wide application range.
- Replaceable wear part.
The highlighted models are manufactured as standard units and are available at short notice. All other types are made to order. Intermediate sizes can be supplied after agreement.

Options/specialized features

Herbold granulators can be incorporated into any automated production line or process as we have a large number of options available as well as a design team to meet your needs. Options include but not limited to the following:

- Electronic metal separation and magnetic units for extraction of foreign metallic objects
- Air extractors and screening machines for separation of dust particles and specific light parts on the granulate
- Amperage overload cutout for regulating the load and amount of feed articles during the loading of the machine
- Pneumatic and mechanical loading units for feeding the machine or for removal of the finished granulate
- Precising unit for reduction of heavy-duty materials and to regulate a continuous flow of material
- Pulverizers for fine particle size
- Storage silos before and after the granulator
- Conveyor belts and feed rolls for feeding, edge trims and webbing

Our product range

Guillotines
Shredders
Hammer mills
Granulators
Pulverizing systems
Washing systems & components
Plastcompactors/agglomerators

Range of the SMS series

<table>
<thead>
<tr>
<th>Type</th>
<th>Feed opening</th>
<th>Rotor Ø</th>
<th>Weight*</th>
<th>Capacity**</th>
<th>Drive kW</th>
</tr>
</thead>
<tbody>
<tr>
<td>SMS 80/120</td>
<td>1200 x 900</td>
<td>450</td>
<td>1000</td>
<td>10000</td>
<td>50-90</td>
</tr>
<tr>
<td>SMS 120/180</td>
<td>1800 x 1200</td>
<td>600</td>
<td>1500</td>
<td>20000</td>
<td>75-160</td>
</tr>
<tr>
<td>SMS 180/240</td>
<td>2400 x 1800</td>
<td>800</td>
<td>2000</td>
<td>30000</td>
<td>100-180</td>
</tr>
<tr>
<td>SMS 240/300</td>
<td>3000 x 2400</td>
<td>1000</td>
<td>3000</td>
<td>50000</td>
<td>150-250</td>
</tr>
<tr>
<td>SMS 300/400</td>
<td>4000 x 3000</td>
<td>1200</td>
<td>4000</td>
<td>80000</td>
<td>200-350</td>
</tr>
<tr>
<td>SMS 400/500</td>
<td>5000 x 4000</td>
<td>1600</td>
<td>6000</td>
<td>120000</td>
<td>300-500</td>
</tr>
</tbody>
</table>

* Range option on the upper part of the housing
** Height of the screen

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Subsidiary in the US:
Herbold Meckesheim USA | Resource Recycling Systems Inc.
130 Industrial Drive | North Smithfield, RI 02896, USA | P.O. Box 239 | Slatersville, RI 02876, USA
Tel.: +1 401 597/5500 | Toll-free (US/CDN): +1 888/612 RRSI (7774) | Fax: +1 401 597/5535
E-Mail: info@herboldusa.com | Internet: www.herboldusa.com

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Heavy duty, flexible design

- Heavy duty knife granulator for tough applications and maximum output
- Flexible design for multiple applications by means of a removable deflection wedge
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