**General Description**

Super Jet Mill is the jet mill with incredible classifying mechanism. Unique and innovative, SJ is capable of pulverizing materials to under a few microns and keep a sharp particle size distribution spontaneously. By preventing the coarse powder mixing with other particle, it enables to attain fine particle far more than conventional mill can. This is suitable for pulverizing materials such as color toner which requires narrow particle size distribution as well as fine particle size.

**Mechanism**

Raw Material will be sucked and dispersed by Ejector. Pulverize with collision and friction force. Classifying mechanism makes coarse particle stays longer inside. Ease the irregular air flow and particle movement. Stabilize the spiral air flow. High precision classifying for fine particles. Coarse particles will be back to pulverizing zone. A sharp particle size distribution with almost no coarse particles.

**Features accumulation**

- Distinctive internal structure has two phase classifying system.
- Prevent coarse powder to mix, achieves sharp particle size distribution.
- Less dead space for internal structure, fewer the powder accumulation and adhesion.
- Easy maintenance and cleaning. Made out of all stainless steel.

**Process Examples**

- Distinctive internal structure has two phase classifying system.
- Prevent coarse powder to mix, achieves sharp particle size distribution.
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**Specifications**

<table>
<thead>
<tr>
<th>Type</th>
<th>Air Volume [m³/min]</th>
<th>Dimensions D[mm] x H[mm]</th>
<th>Weight [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJ-100</td>
<td>~0.2</td>
<td>160 x 140</td>
<td>5</td>
</tr>
<tr>
<td>SJ-500</td>
<td>~0.8</td>
<td>320 x 180</td>
<td>27</td>
</tr>
<tr>
<td>SJ-2500</td>
<td>~3.0</td>
<td>500 x 180</td>
<td>65</td>
</tr>
<tr>
<td>SJ-10K</td>
<td>~12.6</td>
<td>700 x 350</td>
<td>180</td>
</tr>
</tbody>
</table>

**Process Examples**

- **Color Toner (Polyester Resin)**
  - Toner (Styrene-Acryl): 1 mm 5 mm
  - Green Tea: 3 mm 3 mm
  - Lactose: 23 mm 3 mm
  - Amino Acid: 1 mm 2 mm
  - Silk: 3 mm 4 mm
  - Crystallized Cellulose: 60 mm 10 mm

**Technical center**

Nisshin Engineering Inc.
http://www.nisshineng.com/

3-5-77 Tsurugaoka, Fujimino-shi, 356-0045 Japan
Phone: 81-49-264-3148 Fax: 81-49-269-6850