SCM Ultrafine Mill
Based on accumulation of many years experience in the production of the mill, absorbing advanced manufacturing technology from Sweden, and after trial and improvement many years, SBM develops SCM ultrafine mill, which is a new ultra-fine powder (325-2500 mesh) processing equipment. It is the crystallization of the Swiss advanced technologies, and is commanding the latest world trends mill products.

[Feed size]: 10-20 mm
[Capacity]: 4-12 T/h
[Application]: Widely used in paint, paper, rubber, plastics, fillers, cosmetics, chemicals and other industries (for more applications, please click on the "free consultation")
[Materials]: Mainly suitable for processing Mohs hardness < 9 non-explosive brittle material, for example: coal, mica, talc, graphite, quartz, fluorite, calcite, limestone, dolomite, kaolin, bentonite, barite, K-feldspar, flint, gangue

SCM ultrafine mill Shanghai Shibang Machinery designed has a variety of types and models, but also according to the customer's production needs, design and manufacture the right ultra-fine grinding.

1. High production efficiency;
2. Low running costs;
3. High stability of the equipment;
4. Wide range of applications;
5. A high level of environmental protection.

Multiple impact mechanisms for maximum performance What makes this Ultrafine Mill unique? It uses a combination of size reduction mechanisms, including impact, attrition and particle–particle collision, to achieve much smaller particle sizes than other mills. In addition, the Ultrafine Mill has an easily adjustable grinding gap, which allows you to produce particle sizes from ultrafine to coarse. This eliminates the need for other types of grinding equipment and enables you to easily vary particle size and production rates, improving your overall flexibility and efficiency.

Also, the Ultrafine Mill is designed to be durable and easy to maintain:
**Interchangeable, precision grinding tools for extended wear time**

- A grinding baffle engineered of highly wear-resistant material for improved durability
- Oil-lubricated bearings as part of the standard assembly for greater reliability when operated at high or low temperatures
- A hydraulic mill opening to allow easy maintenance and reduce cleaning time

### The added power of liquid nitrogen

Our ultra-fine-grinding system uses the cooling power of liquid nitrogen to remove heat produced in the grinding process by controlling the temperature of your product or the Ultrafine Mill. Key benefits include the following:

- Ultrafine particle size
- More uniform particle distribution
- Higher yields of particles in your target range
- Improved product quality due to minimal or no heat damage
- Less recycling and lower production costs

Because of the mill's higher efficiency, these results are achieved with a lower nitrogen-to-product ratio than can be achieved with other mills, further reducing your operating costs.

SBM Products offers a turnkey skidmounted cryogenic system. Individual system components are also available.

Our experienced engineers can help determine which size reduction system configuration is best for your operation based on your current system, the material you process and your goals.

<table>
<thead>
<tr>
<th>Name &amp; Model</th>
<th>SCM8021</th>
<th>SCM9024</th>
<th>SCM10036</th>
<th>SCM12544</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ring roll number (pcs)</td>
<td>21</td>
<td>24</td>
<td>36</td>
<td>44</td>
</tr>
<tr>
<td>Working diameter (mm)</td>
<td>Φ800</td>
<td>Φ900</td>
<td>Φ1000</td>
<td>Φ1300</td>
</tr>
<tr>
<td>Grinding roll and roller path number (pcs)</td>
<td>1X3</td>
<td>2×4</td>
<td>1×4</td>
<td>2×4</td>
</tr>
<tr>
<td>Revolving Speed (rmin)</td>
<td>230-240</td>
<td>200-220</td>
<td>180-200</td>
<td>135-155</td>
</tr>
<tr>
<td>Max feed size (mm)</td>
<td>≤10</td>
<td>≤20</td>
<td>≤20</td>
<td>≤20</td>
</tr>
<tr>
<td>Final size (mesh)</td>
<td>325-2500</td>
<td>325-2500</td>
<td>325-2500</td>
<td>325-2500</td>
</tr>
<tr>
<td>Output (kg/h)</td>
<td>400-4500</td>
<td>600-5500</td>
<td>400-7500</td>
<td>1200-12000</td>
</tr>
<tr>
<td>contour dimension (mm)</td>
<td>13000×3000×5800</td>
<td>14700×4800×8600</td>
<td>18000×4600×8600</td>
<td>14000×9000×10250</td>
</tr>
<tr>
<td>Whole machine capacity (kw)</td>
<td>144-165</td>
<td>185-204</td>
<td>263-290</td>
<td>380-430</td>
</tr>
</tbody>
</table>

#### Main motor

- Model: YB2-250M-4, YB2-280M-8, YB2-315L1-6, YB2-315L2-6
- Power (kw): 55, 45×2, 110, 160
- Rotate speed (r/min): 1440, 980, 990, 990

#### Analytical engine (FM motor)

- Model: Y180M-4, Y180L-4, Y100L1-4, YB2-225S-4
- Power (kw): 18.5, 22, 30, 37
- Rotate speed (r/min): 1440, 1440, 1440, 1440

#### Blower motor

- Model: Y225M-2, Y250M-2, Y280M-2, YB2-250M-2
- Power (kw): 45, 55, 75, 55×2
- Rotate speed (r/min): 2940, 2940, 2940, 2940

#### Elevator

- Model: TH-200, TH-200, TH-300, TH-300
- Motor model: Y100L-4, YB2-100L2-4, YB2-112M-4, YB2-112M-4
- Power (kw): 3, 3, 4, 4
- Rotate speed (r/min): 1440, 1440, 1440, 1440

#### Hammer Crusher

- Model: PC300×400, PC400×600, PC400×600, PC600×800
- Motor model: YB2-160M-4, YB2-180M-4, YB2-180M-4, YB2-280S-6
- Power (kw): 11, 18.5, 18.5, 45
- Rotate speed (r/min): 1440, 1440, 1440, 990

#### Magnetic vibrating feeder

- Model: GZ1F, GZ1F, GZ1F
- Power (kw): 0.06, 0.06

#### Electrical machine

- Model: LS159×1050, LS159×2000
- Power (kw): 2.2, 3

#### Discharge valve

- Model: ZJD-200, ZJD-200, ZJD-200, ZJD-250
- Motor model: YB2-80M2-4, YB2-80M2-4, YB2-80M2-4, YB2-90S-4
Crusher Machine
- PE Jaw Crusher
- HJ Jaw Crusher
- PY Cone Crusher
- CS Cone Crusher
- Hammer Crusher
- PEW Jaw Crusher
- HPC Cone Crusher
- HPT Cone Crusher
- HST Cone Crusher
- PF Impact Crusher
- PFW Impact Crusher
- VSI Sand Making Machine
- VSI5X Sand Making Machine

Grinding Mill
- Ball Mill
- Raymond Mill
- SCM Ultrafine Mill
- MTW Milling Machine
- LUM Vertical Roller Mill
- MTM Trapezium Grinder
- LM Vertical Grinding Mill
- T130X Reinforced Ultrafine Mill

Mobile Crusher
- Mobile Jaw Crusher
- Mobile Cone Crusher
- Mobile Impact Crusher
- Hydraulic Driven Track Mobile Crusher

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Power (kw) | 0.75×2 | 0.75×2 | 0.75×3 | 1.1
Rotate speed (r/min) | 1440 | 1440 | 1440 | 1440

Pulse dust collectors
- Model

Air compressor
- Model

Motor model
- Power (kw)
- Rotate speed (r/min)