Bead Mill for Cell Disruption
**ELE Bead Mill is suitable for cell disruption**

ELE brand leads dispersion and grinding technology all along. High quality of end products depends on our fine processing and abrasion resistance processing for each components & parts.

Advanced discharging method, using unique large area of tubular reseau centrifugal separator, precise separation & smooth discharging.

**Suitable Sand Mill for Cell disruption**

- Turbo Type Bead Mill
- Pin type Bead Mill
- Disc type Bead Mill
Three Types of Contact material for option

**Harden Alloy Steel**
Strong Wear resistance, Alloy with special treatment, Hardness reach HRC62

**Ceramic**
With Special ceramic material: zirconium or silicon carbide, Stronger wear resistance, No Metal contamination, Hardness reach HRC72-78.

**PU polyurethane**
No Metal contamination

**Specification**
- ELE bead mill adopt double cartridge mechanical seal with patent No.:201610459850.7, maximum 8-10KGS pressure resistance, specially designed for grinding materials with small particles. Overall unit, convenient to use and install, no need professionals to change.
- Final particle size is narrow distributed.
- ELE bead mill will solve all the ticklish problems in your process, like materia fineness, temperature, output, pure color and metal contaminations.
Machine details

- Electric contact Pressure meter. If over the setting valve, the machine will stop automatically.
- Electric contact Temperature meter. If over the setting valve, the machine will stop automatically.
- Control Panel
- Open it and adding beads
- Control the air to control the feeding flow
- Discharge port
- Cooling Tank for Mechanical Seal
- Cooling water outlet
- Cooling water inlet
- Feeding pipe with jacket
- Buffer Tank for feeding system. Make the feeding smoothly
- Feeding Input
- Diaphragm Pump
## Data Sheet & Models

<table>
<thead>
<tr>
<th>Model</th>
<th>Chamber Volume (L)</th>
<th>Power (kW)</th>
<th>Speed (rpm)</th>
<th>Flow (L/H)</th>
<th>Dimension (mm)</th>
<th>Weight (kgs)</th>
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</thead>
<tbody>
<tr>
<td>EDW-5</td>
<td>5</td>
<td>11</td>
<td>0-1500</td>
<td>30-200</td>
<td>1100×850×1600</td>
<td>400</td>
</tr>
<tr>
<td>EDW-10</td>
<td>10</td>
<td>22</td>
<td>0-1200</td>
<td>50-300</td>
<td>1400×1100×1750</td>
<td>600</td>
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<tr>
<td>EDW-15</td>
<td>15</td>
<td>37</td>
<td>0-1200</td>
<td>100-500</td>
<td>1550×1100×1800</td>
<td>1200</td>
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<tr>
<td>EDW-30</td>
<td>30</td>
<td>55</td>
<td>0-1000</td>
<td>200-1000</td>
<td>1850×1300×1700</td>
<td>2200</td>
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<tr>
<td>EDW-50</td>
<td>50</td>
<td>75</td>
<td>0-860</td>
<td>&gt;1000</td>
<td>2200×1500×1800</td>
<td>2800</td>
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<td>EDW-100</td>
<td>100</td>
<td>110</td>
<td>0-750</td>
<td>&gt;1500</td>
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<td>5500</td>
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<td>250</td>
<td>0-580</td>
<td>&gt;2000</td>
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<td>8300</td>
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<tr>
<td>EDW-400</td>
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<td>0-480</td>
<td>&gt;3000</td>
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<td>11700</td>
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</tbody>
</table>

## Maintenance & Services

1. Before order, customer can take materials to our lab and make test grindings, spot-testing parameters like particle size distribution, obtain reliable data for model selection;
2. We provide you operation manual by chinese or English;

3. With three years of spare parts inventory to ensure normal use and make you to be in trouble free;

4. Within 12-months warranty period, we promise to change damaged parts free of charge by air or by sea;

5. Meanwhile, our skillful grinding experts can offer you free professional technical consulting and service.

**Professional technical supports & Processing Machines**

Our engineers are around 20 years rich experience in this area, professional skills and stable processing.

We have lathes, grinder, drilling machine, boring machine, polishing machine, milling machine… etc.