DBE Batch Mixer for Building Materials

- High quality products within minimum mixing times
- Shorter discharge times due to one-door discharging system
- Residual material < 0.1% due to 90° opening angle
- Long service life span due to special mixing elements
- Low maintenance seal system due to the single door
DBE Batch Mixer for Building Materials

Mode of operation
The specific Lödige process with mechanically generated fluid bed provides homogeneous mixing of fine-powder and coarse particle components. DBE Batch Mixers meet the requirement for large throughput quantities and high quality mixed products in production-orientated batch operation. The construction of this type of mixer with an outlet opening along the entire length of the drum ensures almost residue-free discharge of the product in the shortest possible time. A large branch plate fitted over the entire length of the drum on the feeding opening allows for variable positioning of individual component inlets and, if necessary, subsequent expansion.

Optional Equipment
The discharging systems connected downstream to the mixer prevent segregation of the mix during transport to a packing machine or a silo/truck, and are comprised of a combination of:

- Discharge silo
- Variable speed rotary valve
- Reversible belt conveyor

Choppers are available as optional equipment to assist intermixing of small quantities of chemicals, e.g. cellulose or insulating additives (e.g. EPS).

<table>
<thead>
<tr>
<th>Sizes</th>
<th>Throughput</th>
<th>Motor Power</th>
<th>Dimensions</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>in t/h</td>
<td>in kW</td>
<td>L x B x H</td>
</tr>
<tr>
<td>DBE 300</td>
<td>3 - 9</td>
<td>7.5</td>
<td>2340 x 1200 x 1250</td>
</tr>
<tr>
<td>DBE 600</td>
<td>9 - 18</td>
<td>11</td>
<td>2850 x 1600 x 1450</td>
</tr>
<tr>
<td>DBE 1200</td>
<td>18 - 36</td>
<td>22</td>
<td>2380 x 1680 x 1800</td>
</tr>
<tr>
<td>DBE 1600</td>
<td>23 - 46</td>
<td>30</td>
<td>4100 x 1980 x 2030</td>
</tr>
<tr>
<td>DBE 2000</td>
<td>29 - 58</td>
<td>37</td>
<td>4400 x 1980 x 2030</td>
</tr>
<tr>
<td>DBE 3000</td>
<td>44 - 87</td>
<td>55</td>
<td>5300 x 2210 x 2290</td>
</tr>
<tr>
<td>DBE 4200</td>
<td>60 - 122</td>
<td>75</td>
<td>5660 x 2500 x 2600</td>
</tr>
<tr>
<td>DBE 6000</td>
<td>85 - 175</td>
<td>110</td>
<td>6130 x 2620 x 2900</td>
</tr>
<tr>
<td>DBE 8000</td>
<td>120 - 235</td>
<td>160</td>
<td>6370 x 2700 x 2900</td>
</tr>
</tbody>
</table>

Range of Application
- Dry mortar
- Ceramic
- Tile adhesive
- Filling agents
- Refractory materials
- Gypsum based products
- Insulating materials
- Indoor and outdoor rendering
- Building chemicals
- Lime hydrate
- Fillers

Gebrüder Lödige
Maschinenbau GmbH
Elsener Straße 7–9
33102 Paderborn
Telefon: +49 5251 309-0
Telefax: +49 5251 309-123
E-Mail: info@loedige.de
www.loedige.de