### Model KETB
**Pneumatic floating type**

- **Control unit required additionally**
  - (Air pressure and side slip force)

![Diagram of air pressure and side slip force](image)

### Model ES-VB
**CONTROL UNIT FOR AIRUP**

- **(Dimensions of remote control box)**

![Diagram of remote control box](image)

### Application

Air is jetted through air holes provided on the chuck work face to float a workpiece for easy positioning, demounting and movement. The chuck can be air cooled by adding a cooling device. This model is for grinding, but a model for cutting is also available upon request.

### Features

- Workpieces having strong residual magnetism can be separated and floated by the pressure of a small amount of air for easy removal.
- The optimum floating condition can be adjusted according to the material, size and shape of workpieces by increasing/decreasing the air pressure supplied from the control unit.
- As a small amount of air is constantly jetted through air holes during grinding, intrusion of grinding fluid and ground powder can be prevented.
- The air circuit in the chuck has a construction specially developed by KANETEC to minimize clogging.
- The control unit is an easy-to-operate special unit incorporating an air regulator, rectifier and demagnetizer.

### Table: Control Unit Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal Size</th>
<th>Work Face</th>
<th>Pole Pitch</th>
<th>Mounting Face</th>
<th>Height</th>
<th>Mounting Hole</th>
<th>Voltage</th>
<th>Power Cord</th>
<th>Mass</th>
<th>Control Unit</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>KETB-2050B</td>
<td>200/7.87 x 500/19.6</td>
<td>200/7.87</td>
<td>500/19.6</td>
<td>464/18.2</td>
<td>14/2 (5.6)</td>
<td>94/7.63</td>
<td>544/21.6</td>
<td>18/0.76</td>
<td>92</td>
<td>3,06</td>
<td>Clamping (no hat)</td>
</tr>
<tr>
<td>KETB-2100B</td>
<td>250/9.15 x 500/19.6</td>
<td>250/9.15</td>
<td>500/19.6</td>
<td>405/17.7</td>
<td>11/0.6</td>
<td>500/19.6</td>
<td>603</td>
<td>3,06</td>
<td>3,06</td>
<td>101</td>
<td>4,68</td>
</tr>
<tr>
<td>KETB-2500B</td>
<td>300/11.8 x 500/19.6</td>
<td>300/11.8</td>
<td>500/19.6</td>
<td>395/17.1</td>
<td>9/0.6</td>
<td>500/19.6</td>
<td>603</td>
<td>3,06</td>
<td>3,06</td>
<td>101</td>
<td>4,68</td>
</tr>
<tr>
<td>KETB-3000B</td>
<td>400/15.7 x 500/19.6</td>
<td>400/15.7</td>
<td>500/19.6</td>
<td>365/16.1</td>
<td>6/0.6</td>
<td>500/19.6</td>
<td>603</td>
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<td>101</td>
<td>4,68</td>
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<tr>
<td>KETB-4000B</td>
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<td>400/15.7</td>
<td>500/19.6</td>
<td>395/17.1</td>
<td>9/0.6</td>
<td>500/19.6</td>
<td>603</td>
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<td>3,06</td>
<td>101</td>
<td>4,68</td>
</tr>
<tr>
<td>KETB-5000B</td>
<td>500/19.6 x 500/19.6</td>
<td>500/19.6</td>
<td>500/19.6</td>
<td>405/17.7</td>
<td>11/0.6</td>
<td>500/19.6</td>
<td>603</td>
<td>3,06</td>
<td>3,06</td>
<td>101</td>
<td>4,68</td>
</tr>
<tr>
<td>KETB-6000B</td>
<td>600/23.6 x 600/23.6</td>
<td>600/23.6</td>
<td>600/23.6</td>
<td>395/17.1</td>
<td>9/0.6</td>
<td>500/19.6</td>
<td>603</td>
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<td>3,06</td>
<td>101</td>
<td>4,68</td>
</tr>
<tr>
<td>KETB-8000B</td>
<td>800/31.5 x 800/31.5</td>
<td>800/31.5</td>
<td>800/31.5</td>
<td>395/17.1</td>
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<td>500/19.6</td>
<td>603</td>
<td>3,06</td>
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<td>101</td>
<td>4,68</td>
</tr>
</tbody>
</table>

### Application

This control unit is computer controlled to create the most effective demagnetizing patterns within a short period of time, thus providing the consistent demagnetizing effect constantly. The operation is quite simple. No complicated adjustment is necessary and an electric valve control circuit for floating is also incorporated. During grinding of workpieces, air at low pressure [about 20 kPa (0.2 kg/cm²)] is jetted through holes provided on the chuck work face to prevent intrusion of waste fluid/oil and fine particles. When unloading the workpieces after the end of grinding, the circuit is automatically switched over to the high pressure [about 150 kPa (1.5 kg/cm²)] in response to the demagnetizing command to float the workpieces.

### Features

- The demagnetizing time is as short as 6 to 15 seconds and consistent demagnetizing effect can be obtained.
- The magnetic force can be adjusted and workpieces can be straightened also.
- The noise resistance feature ensures consistent performance in certain noisy environment.
- A compact air unit is incorporated.