A system to enable surface grinding of a wide range of materials from magnetic materials to such non-magnetic materials as aluminum, stainless steel and ceramic.

### Features

- **A wide variety of workpieces!**
  Workpieces of such non-magnetic materials as plastic, aluminum, stainless steel, ceramic and glass that are difficult to hold and secure with conventional chucks can be secured easily. In particular, this system is most suitable for holding small workpieces that cannot be held by magnetic chucks.
  Also, negative impact on accuracy due to warping of workpieces, which is unavoidable when mechanical clamps are used, has been eliminated.
  It cannot be used with the following workpieces in some cases:
    - Workpieces having abrasive-like surface (e.g. plaster)
    - Workpieces warped largely (more than 0.5 mm)
    - Thin (less than 1.0 mm) workpieces such as stainless steel that tend to be distorted by grinding heat
    - Some resins such as Teflon

- **Easy installation**
  The main unit can be installed on a machine by use of T-slots. Also since its mounting face is made of iron, it can easily be mounted on your magnetic chuck.

- **A remote control box included!**
  A remote control box for controlling the chuck unit comes as a standard accessory, which can be installed in an easy-to-operate place.
  Operation box size: Width 80 x height 110 x depth 50 mm.

- **Exclusive to wet grinding**
  The wax used with this system is susceptible to impact and therefore cannot be used for cutting as a rule. In dry operations, the temperature of workpieces rises to melt the wax and therefore, it cannot be used.

### Fixing agent

- Melting temperature 65°C Its film thickness is 5 to 10 μm.
- **Fixing power (by materials)**
  (kg/cm²)

<table>
<thead>
<tr>
<th>Material</th>
<th>SUS304</th>
<th>A5056</th>
<th>Ceramic</th>
<th>MC nylon</th>
<th>Polypropylene</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fixing power</td>
<td>14</td>
<td>12</td>
<td>10</td>
<td>8</td>
<td>6</td>
</tr>
</tbody>
</table>

**Fixing agent:** ø30x160 mm (100 g x 3 pieces/set)

**Note:** These are sold only to the purchaser of the PROMELTA® SYSTEM.

### For removing fixing agent remaining after securing workpieces, cleaning liquid and ultrasonic cleaner (optional) are available.

- **Fixing agent for PROMELTA SYSTEM**
- **Ultrasonic cleaner (optional)**

For evaluation of this system, preliminary fixing tests are necessary. Please contact KANETEC sales office in charge of you and provide workpiece samples.