A system to enable a wide range of precision grinding of any materials; nonferrous, resin or ceramic.

**Standard type**
Melting temperature 65°C
The fixing power is high, but its film thickness is 5 to 10 μm.

**Low-viscosity type (High precision type)**
Melting temperature 45°C
The fixing power is low, but its film thickness is only 1 to 2 μm, which makes it type suitable for finishing operations. The following graph shows the melting power of the waxes (per cm²) by materials.

Discontinued sale

For removing fixing agent remaining after securing workpieces, a high-performance cleaner and ultrasonic cleaner (optional) are available.

### Features
- **Wide variety of workpieces!**
  Workpieces of such nonmagnetic materials as plastic, aluminum, stainless steel, ceramic and glass that are difficult to hold during grinding can be held easily. In particular, this system is suitable for small workpieces that cannot be held by magnetic chucks.
- **Significantly improved grinding accuracy!**
  Highly precise grinding in the order of micron achievable!
  - The bonding film that affects grinding accuracy has been made thinner by using "workpiece fixing agent" newly developed by KANETEC to realize a grinding accuracy in the order of micron. Also it has been made possible to secure workpieces at low temperature close to room temperature and a difference in temperature during securing and releasing workpieces has been reduced to minimize thermal impact on workpieces. Wet operations are allowed.
  - Adverse influence on accuracy due to warping of workpieces, which is unavoidable when mechanical clamps are used, has been eliminated.
  - The work face is made of iron in consideration of accuracy stability and wear resistance. The work face accuracy can be recovered by regrinding the work face.
- **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.

### Compact controller
The controller measures as small as 450 mm wide × 450 mm deep × 845 mm high and can be installed in any place. It comes with a remote operation box.
- Both magnetic and nonmagnetic materials can be secured. In particular, this system is suitable for grinding of cemented carbide, ceramic, stainless steel and aluminum. However, 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
- 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.