

For Profile Processing / PGM·PGS Wheel

High Shape Retention Ability Realized

The highly wear-resistant bond that has been developed for profile grinding operations is employed. Even if minute shapes, the shape is retained and shape collapse by grinding can be minimized. Since the body has been finished by grinding, high run-out accuracy can be achieved.



■ Features

- The tool cost can be reduced as the life is extended.
- High sharpness ensures highly efficient grinding.
- Good surface roughness can be produced.
- High run-out accuracy is realized.

■ Applications

- Profile grinding of Cemented carbide, Cermet, etc.
- Various mold processing

General Electroplated Wheel

A wide selection of diamond and CBN abrasive grains to meet various machining needs.



■ Features

- Highly efficient and long-life machining is realized by a wide selection of abrasive grain layers.
- No truing or dressing required on the machine.

■ Applications

- Diamond electroplated grinding wheels: nonferrous metal materials, ceramics, magnetic materials
- CBN electroplated grinding wheels: Steel and ferrous materials

For Polygon Mirrors for Copier Photosensitive Drums / Ultra-Precision Cutting Tool UPC-F

Excellence in High Efficiency and Ultra-Precision Cutting of Planes and Cylinders

Drastically reduces or dispenses with running-in processing time. You can obtain uniform, high-quality worked surfaces by setting the roundness (sharpness) of the cutting edge according to the work material and processing conditions.

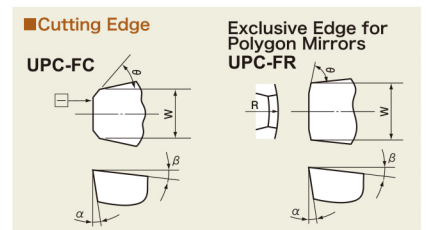


■ Features

- Good burnishing effect can be achieved and highly efficient mirror finishing is possible.
- Our original ultra-precision polishing technology has realized very sharp cutting edges.

■ Applications

- Plane and cylindrical mirror finishing of polygon mirrors for copier photosensitive drums, Laser reflection mirrors



■ Dimension and Highest Accuracy

| Type | Tool Edge Angle (θ) | Tool Width (W) | Clearance Angle (α) | Rake Angle (β) | Rake Face (R) |
|--------|------------------------------|----------------|------------------------------|------------------------|---------------|
| UPC-FC | 45°~80° | 1.0~4.0 | 0°~5° | -5°~0° | — |
| UPC-FR | 10°~45° | 2.0~4.0 | 2°~5° | 0° | 30~40 mm |

Large Electroplated Wheel

High peripheral speed machining with large-diameter electroplated wheels significantly improves service life and efficiency.



■ Features

- Special wheel design realizes general form grinding at high peripheral speeds.
- Large wheels with an outer diameter of $\Phi 500$ can be manufactured.
- *Please consult with us about tooling specifications as we may not be able to produce them.

■ Applications

- Powder production
- Heat-resistant alloy parts machining