

| SiC · SILICON · CERAMIC GRINDING

ANT-VGM 600

Vertical Cylindrical Grinding Machine

High-rigidity combined vertical grinding machine that completes ID, OD, and face machining of SiC, Si, and Ceramic Ring materials in a single setup.

**Ø 600 mm**

LARGE-AREA TABLE

OD · ID · Face

3-SURFACE MACHINING IN ONE SETUP

FANUC

0IMF-P CONTROLLER

KEY FEATURES

- 01** High-rigidity structural design suppresses vibration for long-duration stable machining
- 02** Ring material ID, OD, and face — 3-surface simultaneous machining reduces process steps
- 03** Optimized high-precision grinding for SiC, Si, and Ceramic hard materials

COMPATIBLE MATERIALS

Si (Silicon)	SiC (Silicon Carbide)	SiO ₂ (Quartz)
AlN	Alumina	Sapphire
Graphite	Green Ceramic	Rare Earth Permanent Magnet

TECHNICAL SPECIFICATIONS — ANT-VGM 600 · Standard specs · custom design available

Work	Size
Grinding Wheel	Metal Diamond Wheel
Spindle Unit	R.P.M.
Motor	5.5 kW × 4P × 220V × 60Hz
Table Unit	R.P.M.
Motor	3 kW AC Servo Motor
Jig & Fixture	Ø550 Vacuum Jig
Feed Unit	Z-Axis Stroke
Z-Axis Motor	5 kW AC Servo Motor
X-Axis Stroke	460 mm
X-Axis Motor	5 kW AC Servo Motor
Coolant	Tank
Pump	60 L/min
Main Air Source	5 kg/cm ²
Main Power Source	AC 220V × 3-phase × 60Hz / 25 kW
Control Power	AC 220V, DC 24V
Machine Installation Area (W × L × H)	2,300 × 2,800 × 2,900 mm

ABOUT SAEHAN NANOTECH

Precision machining equipment for hard & brittle materials — built in Korea, delivered worldwide

Korean manufacturer of precision machining equipment for hard & brittle materials, serving the **semiconductor, display, defense, rare earth permanent magnet, and battery** industries. Manufactured in **Changwon, Korea**, exported to **USA, China, Vietnam, and Malaysia**. Full lifecycle support — from independent R&D and custom design through installation, training, and after-sales service.

READY TO TALK? | [Request a Quote or Machining Test](#)

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