



**Model VG401MKII**

No. of Spindle	: 1
No. of Vacuum chuck	: 1
Spindle Motor	: 5.5 Kw
Grinding Mode	: Gauge/NC
Work spindle Motor	: 2.2 Kw
Wafer size to grind	: 4 to 16" <sup>φ</sup>
Bearing type	: Air for Spindle

**Semi-Automatic Wafer Grinder for Hard Materials  
Suitable for AlTiC, SiC, Glass, Ceramics**

**Heavy Duty Back Grinder  
Model VG401MKII**

**Okamoto Corporation**

Semiconductor Equipment Division

3060 Scott Blvd.

Santa Clara, CA 95054

TEL : (408) 654-8400 FAX: (408) 654-8405

[www.okamoto-sed.com](http://www.okamoto-sed.com)

## FEATURES

Model VG401MKII precision grinder is designed to meet the demands of larger sized diameter products. The 5.5 kw motor can easily and precisely handle hard materials. The NC mode allows for production of products in thickness up to 90 mm (3.5 inches).

## SPECIFICATIONS

Maximum wafer-machining diameter of wafer	Ø16" (universal sizes also available)
Grinding Spindle: Bearing type Motor Rapid feed speed Grind feed speed	Air bearing, maximum 2400 rpm 5.5 kw, 4P, high frequency motor 300 mm/min 1 to 999 µm/min
Grinding wheel size	Ø350 (mm)
Work spindle Bearing type	Mechanical Bearing
Automatic Sizing Device: Wafer thickness measuring system Wafer minimum setting size Wafer size display range NC mode	2 point contact in-process gauge 1 µm ± 1000 Can be grind 90mm
Footprint ( L x W x H )	59" x 58" x 81"
Control Cabinet CRT Display Programming method Vacuum Pump Unit	Mounted on the main body 9" color LCD screen Keyboard 1.5 kw motor, 40 Torrs Exhaust 40 m³/hr Coolant (city) water 5 liter/min
Utilities: Electric Power Cutting Water Consumption Cleaning Water Consumption Coolant water (city water) Air consumption (dry air)	3P, 200V, 20KVA 12 to 15 liter/min 4 liter/cycle 5 liter/min (for vacuum pump) 60 N liter/min (5kg/cm²)
Grinding Accuracy: Wafer thickness variation Wafer to wafer thickness Roughness	Ø8" = 0.8µm or less, Ø12" = 1.0µm or less Ø8" = 0.8µm or less, Ø12" = 1.0 µm or less Rmax = 0.1µm or less

Specifications subject to change without notice.