



Leader in Superabrasive Finishing Systems

EHG-180AV Horizontal Grinding System



Our Hyprez[®] EHG-180AV Horizontal Grinding Machine is designed to grind advanced materials, such as sapphire, aluminum nitride and garnet. It is also capable of performing wafer back-side grinding operations and achieving a high degree of flatness, as well as high quality surface finishes.

The Model EHG-180AV is designed for use with Engis diamond wheels, which reduce processing times and overall costs.

Engis is able to deliver a complete finishing system to fit each customer's unique requirements and optimize the most demanding applications.

FINE GRINDING

HORIZONTAL GRINDING MACHINE

Standard features:

- Vacuum chuck
- Feed rate control to 0.1µm/sec
- Digital thickness control
- Spark-out timer
- Automatic and manual operation
- Fixed and oscillating grinding wheel function
- Independent control of grinding wheel and work piece oscillation

Additional Benefits:

- User friendly set-up
- Easy wheel changing
- Rapid stock removal
- Increased throughput
- Compatible with 18" lapping machine

ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems
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EHG180-004-0813





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EHG-180AV Specifications



Machine Dimensions (in/mm):	53.5" (W) x 31.5" (D) x (60" H) 1,360mm (W) x 800mm (D) x 1,515mm (H)
Wheel Speed (variable):	1,500 RPM
Work Speed (fixed):	400 RPM
Maximum Work Size (in/mm):	7" x 2" / 180 mm x 50 mm
Wheel Motor:	220 VAC, 3-Phase, 0.40kW, 50/60 Hz
Accuracy:	Within $\pm 1\mu\text{m}$
Wheel Size:	$\varnothing 180\text{mm}$ O.D. x 60mm I.D.
Part Size - Thickness:	Up to 2" / 50mm
Part Size - Diameter:	Up to 7" / 180mm
Weight:	1,763 lbs (800 kg)
Electrical Service:	220 VAC, 3-Phase, 50/60 Hz, 20Amp
Air Line Required:	0.6 MPa
OPTIONS:	<ul style="list-style-type: none"> • Chiller unit • Cartridge filter & flow sensor • Magnetic chuck • Thickness sensor • Grinding wheels
<small>Note: Dimensions & weights are rounded. Specifications are subject to change without notice.</small>	

Engis Has Just What You Need to Process:

- Sapphire
- CaF_2
- MEMS
- InSb
- SiC
- AlN

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