



World Leader in Superabrasive Finishing Systems

## **EHG-250NC** Horizontal Grinding System



Our Hyprez® EHG-250NC 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-250NC 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:

- PLC Based 12" Touch Screen Control Panel
- Independent Control of Grinding Wheel and Work Piece Rotation
- Fixed or Oscillating Grinding Wheel Function
- Automatic Tool Wear Compensation
- Automatic Measuring and Thickness Control
- Data Management Capable

#### Additional Benefits:

- User friendly set-up
- Easy wheel changing
- Rapid stock removal
- Increased throughput
- Compatible with 24" lapping machine

#### ENGIS CORPORATION

Leaders in Superabrasive Finishing Systems  
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EHG250-002-1009





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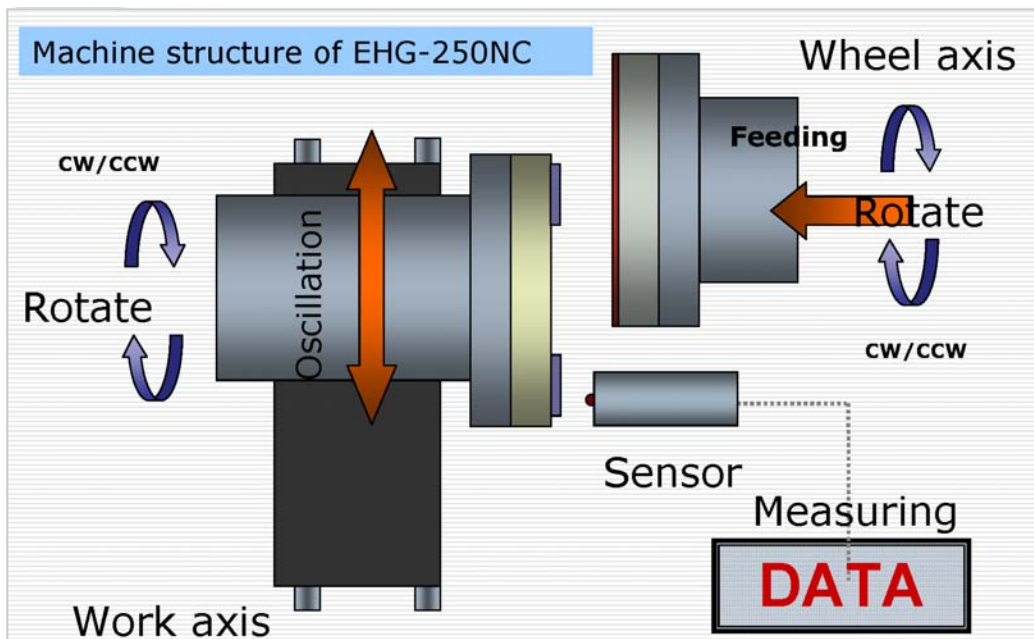
## EHG-250NC Specifications



Showing actual work piece chuck (left) and grinding wheel (right, background) with two cooling fluid delivery nozzles.

Machine Dimensions (in/mm):	57" (W) x 39" (D) x 63" (H) 1,450mm (W) x 1,000mm (D) x 1,600mm (H)
Wheel Speed (variable):	3,000 RPM
Work Speed (variable):	400 RPM
Maximum Work Size (in/mm):	9.8" x 4" / 250 mm x 100 mm
Wheel Motor:	220 VAC, 3-Phase, 1.50 kW, 50/60 Hz
Accuracy:	Within $\pm 0.5 \mu\text{m}$
Wheel Size:	$\varnothing 250 \text{ mm O.D.} \times 170 \text{ mm I.D.}$
Part Size - Thickness:	Up to 4" / 100 mm
Part Size - Diameter:	Up to 9.8" / 250 mm
Weight:	2,646 lbs (1,200 kg)
Electrical Service:	220 VAC, 3-Phase, 50/60 Hz, 20Amp
Air Line Required:	0.65 MPa
OPTIONS:	<ul style="list-style-type: none"> <li>• Chiller unit</li> <li>• Cartridge filter &amp; flow sensor</li> <li>• Magnetic chuck</li> <li>• Thickness sensor</li> <li>• Grinding wheels</li> </ul>
<i>Note: Dimensions &amp; weights are rounded. Specifications are subject to change without notice.</i>	

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