

Semi-Automated Grinders – Single Head, Semi Auto

The EAG-88SMND and EAG-22SMND machines are designed to grind advanced materials to a high degree of precision in flatness and surface quality, often reducing or eliminating the need for lapping. The compact design features advanced control and process monitoring normally found in much higher priced systems.

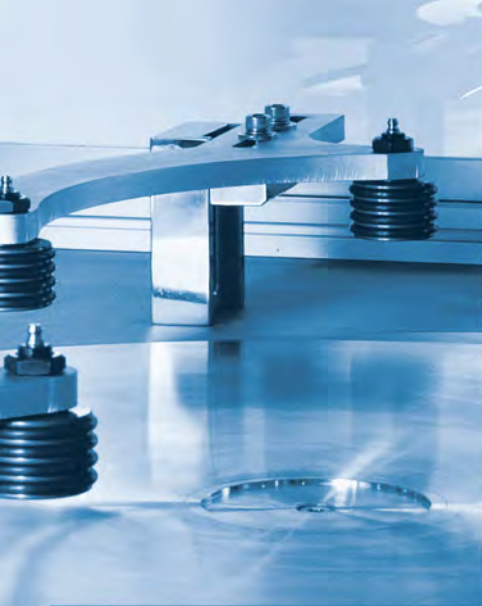
Features:

1. Cast frame
2. High precision, high rigidity linear system
3. PC Based machine
4. Automatic thickness measuring system
5. Automatic dressing system
6. Automatically save and view process history
7. Data storage system (Excel file save)
8. Bar code reader & additional functions (optional)
9. MECS or SECS/GEM system (optional)



Engis Automated Grinders		EAG-88SMND (8")	EAG-22SMND (12")
Spindle Features	Wheel Spindle	6 kW / 6,000 rpm	9.5 kW / 4,000 rpm
	Wheel Size	Ø 203 mm	Ø 303 mm
	Minimum Feed Rate	0.1 um/sec +	0.1 um/sec +
	Resolution	0.0001 mm	0.0001 mm
Worktable Features	Worktable Spindle	0.75 kW / 400 rpm	1.5 kW / 260 rpm
	Worktable Size	Ø 200 mm	Ø 300 mm
Automatic Measuring System	Type	Non-Contact (In-process)	Non-Contact (In-process)
	Probes Per Spindle	1	1
	Linearity	+/- 0.5 um	+/- 0.5 um
	Resolution	0.1 um	0.1 um
	Maximum Height ¹⁾	4 mm	4 mm
Dressing Spec.	Dimensions	Ø 90 mm x 30mm T	Ø 90 mm x 30mm T
	Maximum Revolution	400 rpm	400 rpm
Dimensions	Machine Size	1,000 x 1,520 x 2,200 mm	1,000 x 1,520 x 2,300 mm
	Machine Weight	2,000 kg	2,100 kg

1) Optional: Up to 75mm with Search Function



Lapping & Polishing



Superabrasive Tools



Bore Honing Systems



Engis® offers state-of-the-art technology in the design of flat lapping systems that meet the most demanding requirements.

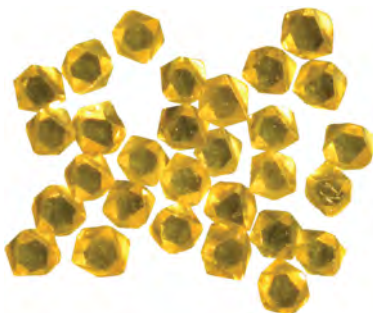


We offer a complete range of superabrasive electroplated products for precision applications.



Multi-Stroke Honing, Single-Pass Bore Finishing & Single-Pass Dual Bore Finishing Systems, Complete Machine Design, Tools & Process Development

Superabrasive Powders



We manufacture high-quality micron diamond & CBN with properties that ensure consistent performance in each application

Mold & Die Polishing



Engis® long trusted brands include Five-Star® diamond compound.

Engis Global Presence



US Engis Corporation



Engis Japan Co., Ltd.



Engis Lapping & Grinding Technology Co., Ltd.



Engis Asia Pacific Pte. Ltd.



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Engis®

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