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# Cylindrical Grinding Machine

## OGM 250 UDXB



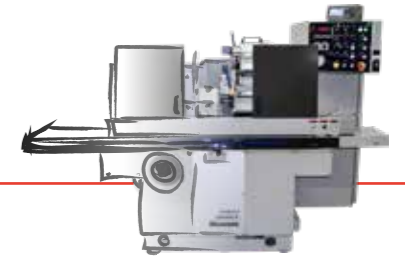
**Okamoto**  
GRIND - X

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GRINDING SOLUTIONS



## Universal cylindrical grinding machine

A Universal cylindrical grinding machine having a diameter capacity of 200 mm and with 500 mm between centres, the OGM 250 UDXB is ideally suited for toolroom small batch production. It is delivered with a comprehensive level of standard equipment to suit toolroom production and allows quick and easy setup. The stable design of the spindle head together with double-V table slideways provides for a robust machine with long-term precision. The intuitive operation of the controls simplifies usage and increases productivity considerably.

- Proven PLC type Okamoto DX control
- With internal grinding unit in the standard equipment

- AC motor ball screw table drive mounted on a T-shaped cast iron machine bed



### ADDITIONAL EQUIPMENT

- Set of 6 Automatic driving dogs 5-80 mm capacity
- Static Balancing unit with arbour
- Table angle measuring system
- Internal grinding unit
- Self-centring chuck
- Manual type 2- and 3-point steady rests

	Description	Unit	OGM-250 UDXB
<b>Capacity</b>	Max. swing diameter	mm	220
	Max. distance between centres	mm	500
	Max. grinding diameter	mm	200
	Max. workpiece weight (between centres)	kg	60
<b>Grinding wheel</b>	Diameter x Width x bore	mm	Ø 305 x 25 x 127
	Rotational speed	rpm	2087/2357
	Max. peripheral grinding speed	m/sec	33
<b>Grinding spindle head</b>	Infeed stroke	mm	203
	Swivel range		+/- 30°
	Smallest input increment	mm	0,001
	Feed speed	mm/min	1000
	Electronic hand wheel	mm	0.001 / 0.01
	Spark out	sec. strokes	0-10
<b>Table axis</b>	Stroke	mm	640
	Swivel range	mm	+4° / -9°
	Smallest input increment	mm	0,001
	Max. table speed	mm/min.	50 - 4000
	Feed per hand wheel rotation	mm	7.5
<b>Workhead</b>	Work Spindle Taper	M.T.	No. 3
	Spindle through bore	mm	14
	Rotational speed	rpm (3 steps)	150/250/400
	Swivel range		+30° / -90°
<b>Tailstock</b>	Sleeve travel	mm	20
	Taper	M.T.	No. 3
<b>Motors</b>	Wheel spindle	kW	1.5
	Workhead	kW	0.4
	Table drive	kW (AC servomotor)	0.4
	Workhead	kW (AC servomotor)	0.4
	Internal grinding unit	kW	0.75
	Power supply	kVA	7
<b>Dimensions</b>	L x W x H	mm	2880 x 1851 x 1640
	Total weight net	kg	1900