

Precision Cylindrical Grinding Machine

OGM Series

Okamoto



Construction

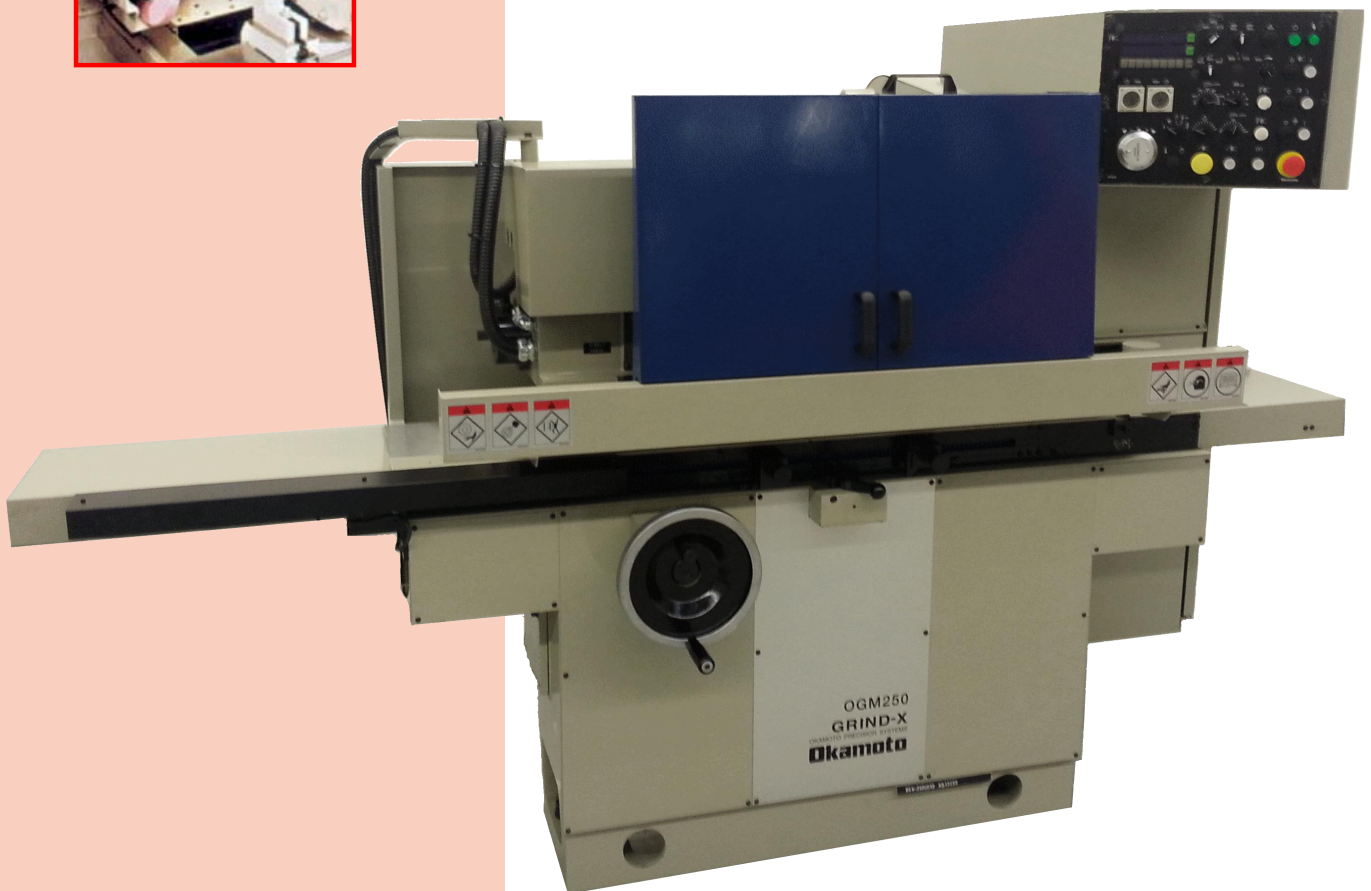
- T shaped machine bed gives excellent support for wheel head and table slides.
- High rigidity for heavy duty work.
- Double Vee table longitudinal and wheel head in-feed slideways.
- Table drive via AC Motor and ballscrew.

Easy Operation

- Proven Okamoto control system for automatic grinding cycle with high precision zero stop. Rough and fine grinding, spark-out and retract at cycle end.

Standard Equipment

- The "U" type machine has internal grinding attachment as standard.



OGM-250UDXB

Specification

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Technical data		
Capacity	Max. swing, mm	220
	Max. distance between centres, mm	500
	Max. Diameter Ground, mm	200
	Max. Weight between centres, kg	60
Grinding wheel	Diameter x width x bore, mm	305x25x127mm
	Wheel speeds (by repositioning belt), rpm	2087 / 2357
	Peripheral Wheel Speed, m/sec	33
Wheel Head	Max. travel, mm	200
	Swivel Angle (Universal Type)	$\pm 30^\circ$
	Smallest adjustment step, mm	0,001
	Rapid advance & return travel, mm	20
	Rapid traverse, mm/min	1000
	Electronic handwheel, mm	0.001/0.01
	Spark outs (Plunge / Traverse)	10 secs. / strokes
Table Axis	Max. travel, mm	650
	Table Swivel	$+4^\circ / -9^\circ$
	Smallest adjustment step, mm	0.001
	Traversing speed, mm/min.	50 - 4000
	Travel per turn of handwheel, mm	7.5
Work Head	Version	fixed / live
	Morse taper	No.3 M.T.
	Spindle Bore, mm	14
	Work speed, rpm (3 steps)	150/250/400
	Swivel Angle	$+30^\circ / -90^\circ$
Tailstock	Sleeve travel, mm	20
	Morse taper	No.3 M.T.
Motors	Grinding wheel drive, kW	1.5
	Workpiece spindle drive, kW	0.2
	Table drive, kW (AC servomotor)	0.75
	Cross Slide drive, kW (AC servomotor)	0.4
	Internal grinding attachment, kW	0.75
	Total Power Requirement, KVA	7
Dimensions	Length x width (with coolant tank), mm	2880 x 1851
	Machine height, mm	1640
	Machine weight, kg	1900

Optional Equipment

- Automatic drive dogs \varnothing 5-80mm
- Grinding wheel balancer
- Table swivel measuring device
- Self centring 3-jaw chuck
- Manual 2-point and 3-point steady rests
- Work rests

GRIND - X

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OKAMOTO PRECISION SYSTEMS

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