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FGRC242


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Category	**:-**	**Cylindrical Grinder / Bore Grinders**	**Serial No**	**:-**	
Model	**:-**	**SIP 400/500**	**Country**	**:-**	**Germany**
Make	**:-**	**WMW**	**Type of Machine**	**:-**	**Bore Grinder With Facing**
Year	**:-**		**Weight**	**:-**	**0.0**
Dimensions	**:-**		**Power**	**:-**	
Location	**:-**		**Asking Price**	**:-**	**On Request**

Specification :-

The WMW SIP 400/500 (manufactured by WMW Glauchau, Germany) is a heavy-duty, automatic internal and face grinding machine. It is highly regarded in heavy industries for precision-grinding cylindrical bores and perpendicular faces on large workpieces like bearing races, bushings,gear components etc.

WMW SIP 400/500 Specifications

Specification	Value
Machine Type	Internal &Face Grinding Machine
Make	WMW (Germany)
Model	SIP / SI 400 ×500
Maximum Internal Grinding Diameter	**400 mm**
Maximum External Swing Diameter	**800 mm**
Maximum Grinding Length (Bore Depth)	**500 mm**
Minimum Internal Diameter	**20 mm**
Chuck Diameter	**600 mm**
Cross Travel	**650 mm**
Table Stroke	**650 mm**
Workhead Swivel	0°–30°
Workhead Speed	16–250 RPM
Grinding Wheel Speed	Up to approximately 1,200 RPM (depending on spindle)
Least Count	0.0025 mm (2.5 microns)
Main Motor	Approximately 9 kW
Machine Weight	Approximately 5.8–6.5 Tons

Facing Attachment Specifications

The face grinding attachment enables precision grinding of:

•Bearing shoulders
•Internal faces
•Counterbores

•Seal faces
•Gear side faces
•Spacer faces

Typical features include:

•Independent face grinding spindle
•Hydraulic plunge feed
•Fine infeed control
•Simultaneous bore and face grinding
•High perpendicularity between bore and face
•Adjustable grinding stroke
•Precision dressing arrangement
•Automatic spark-out cycle (on some machines)

Grinding Capacity

•Internal Cylindrical Grinding
•Face Grinding
•Taper Grinding
•External Grinding (optional setup)
•Blind Bore Grinding
•Stepped Bore Grinding

Typical Applications

•Gearboxes
•Bearing Housings
•Hydraulic Cylinders
•Pump Bodies
•Valve Bodies
•Crane Gear Components
•Heavy Engineering Parts
•Mining Equipment
•Windmill Components
•Defence Components

Accuracy

Typical achievable accuracy (depending on machine condition and setup):

Parameter	Typical Accuracy
Bore Size	±2–5 microns
Roundness	1–2 microns
Cylindricity	2–3 microns
Face Flatness	2–3 microns
Bore-to-Face Squareness	3 microns

Description :--