

CHMF 400

**Maximum side grinding precision.
The heavy-duty class. For large diameters.**

CNC controlled



Precision for large-diameter saw blades.

The new CHMF 400 side grinder is unique in its design. It is configured to permit extremely precise side grinding of carbide circular saw blade teeth up to 2200 mm in diameter using the flat grinding method.

Five CNC axes control grinding wheel feed, the grinding stroke, height adjustment of the grinding unit and the saw infeed carriage. Another axis is used to control tooth positioning.

The Vollmer PMC multiprocessor control system provides the ideal foundation for varying application conditions.

We have made operation particularly simple and convenient. All the user needs to do is concentrate on essentials. Only a minimum of data needs to be entered at the control desk with LCD colour display. The simple operator prompting system is supported by graphics on screen.

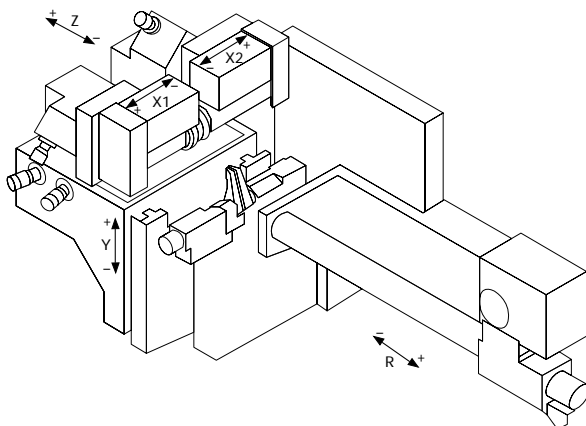
By providing a partial enclosure as standard, we have not only complied with stringent safety, noise and emission protection requirements but also come up with a striking and unmistakable machine design. The CHMF 400 grinding machine achieves outstanding grinding performance both with water-based coolant and with oil.

This machine concept complies with the most stringent technical standards.

The colour display also provides important information on the current operating and functional status.



The control desk with LCD colour display and simple operator prompting. Only a minimum of data needs to be entered.

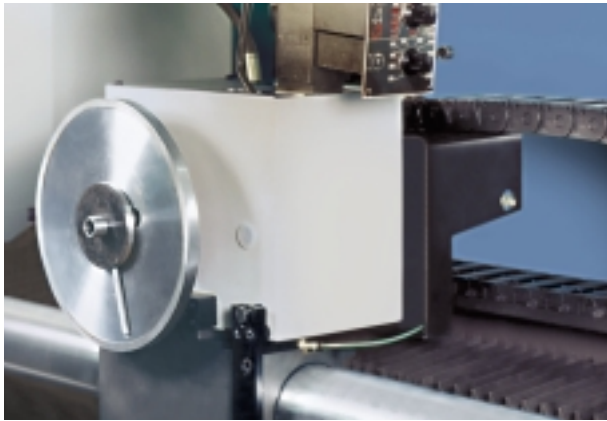


Five controlled axes create the right conditions for a wide variety of applications.



This modern machine concept offers the assurance of fast, economical side grinding of widely differing saw blades. The grinding programs are already integrated and can be accessed at the control desk.





The hydraulically controlled central drive system transports the blade one tooth at a time from the central point and moves the tooth to be ground precisely to the grinding position using the positioning device.



The stable blade clamp can be opened extremely wide to simplify blade exchange.

Technical data of the CHMF 400 at a glance:

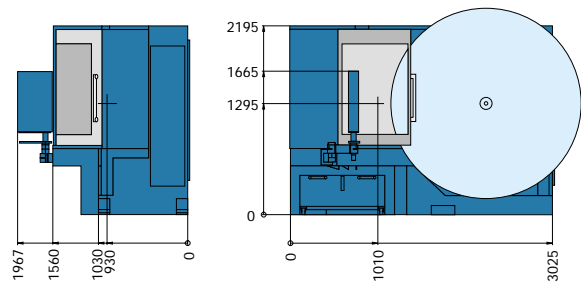
Circular saw blades

Outside diameter	600 to 2200 mm
Bore diameter	from 25 mm
Blade thickness	to 20 mm
Tooth pitch	from 12 mm
Grinding paths (carbide lengths)	20 mm
Hook angle	from -40° to +40°
Radial clearance angle	from -2° to 6°
Tangential clearance angle	from -2° to 6°

Grinding wheels

Outside diameter	125 mm
Bore diameter	32 mm
Peripheral speed	26 m/s
Air consumption	appr. 20 l/min
Working speed	up to 12 teeth/min
Grinding speed	0,5 to 20 mm/s
Coolant pump delivery	84 l/min
Coolant tank capacity	300 l
Total connected load	8,5 KVA / 6,8 kW
Weight	appr. 3400 kg

Dimensions



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