

CBF 300

**Automatic side grinder for stellite-tipped
bandsaw blades.**



Outstanding grinding results coupled with simple operation. The CBF 300.



The operation is simple and without difficulties by buttons with symbols. Number of teeth, number of ground teeth and operating hours can be displayed and called up.



The CBF 300 side grinder with supporting stands.

The stringent demands made today on grinding accuracy and surface quality, particularly when it comes to stellite-tipped saw blades, apply equally to the grinding of tooth flanks – not only when producing new saw blades but also later during regrinding operations.

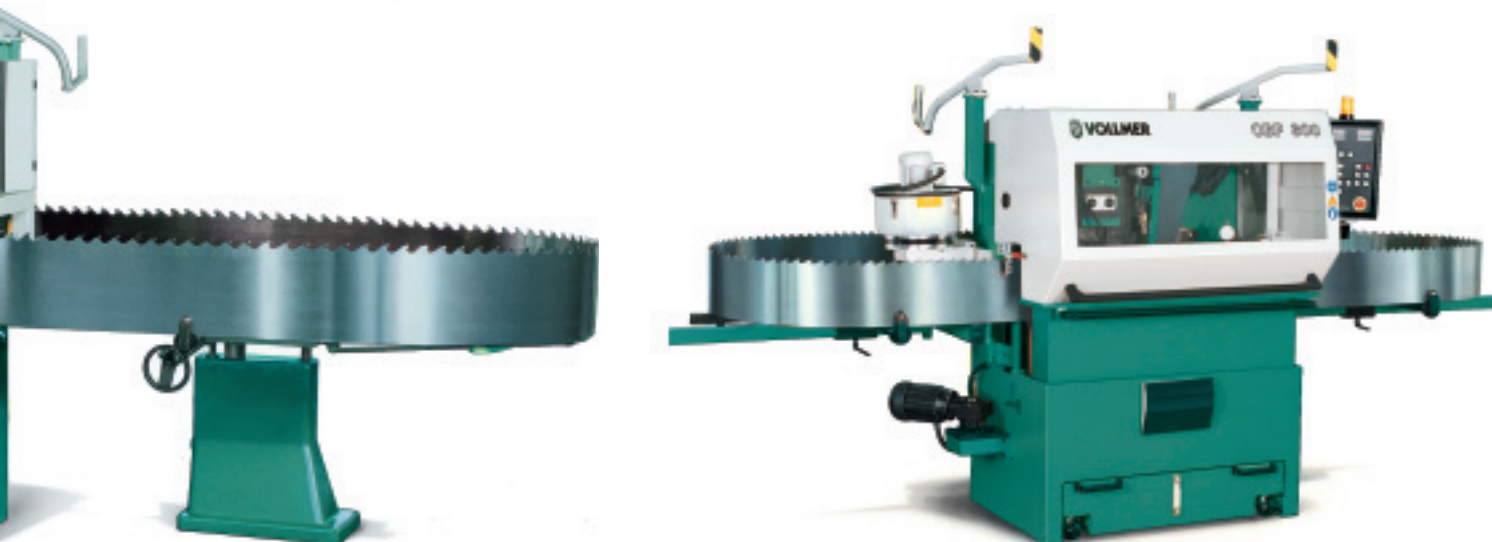
The CBF 300 automatic grinding machine was developed especially to address this demand. It is hard wearing and designed for optimum stability. The face grinding action ensures precisely even surfaces in the cutting and feed direction, and lateral clearance angles are retained precisely even after repeated regrinding of the tooth shape. The achievable tolerance is ± 0.01 mm at the kerf between one tooth and the next. This is an essential prerequisite to a straight cut and high cutting quality when cross-cutting raw timber. Outstanding cutting results are also guaranteed

through the use of the wet grinding technique using CBN grinding wheels.

Operation could not be simpler. The grinding programs are simply entered and accessed at the control desk. There are three different programs available, as well as a diagnostic program which provides information on the operating status.

By providing a full machine enclosure, we are addressing increasingly stringent demands on safety, noise and emission protection. A specially designed bracket simplifies the insertion of saw blades, and using the relevant attachments it is also possible to process circular and gang saw blades.

The CBF 300 side grinder is designed to allow operation both on a stand-alone basis or in conjunction with a profile grinding machine as part of a production line.



The CBF 300 side grinder with central mounting device.



The CBF 300 side grinder operates economically using a minimum floor space with electromotive adjustment of height in line with the CA 200 or CA 300 profile grinders.

Additional applications.

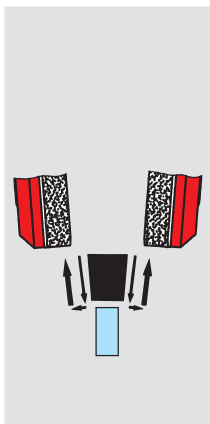


The CBF 300 automatic grinder with clamping device for processing circular saw blades.

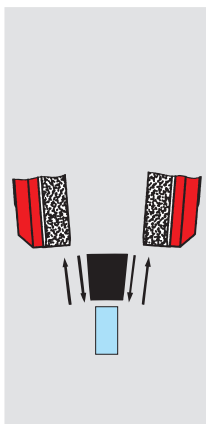


The CBF 300 automatic grinder with clamping device for processing gang saw blades.

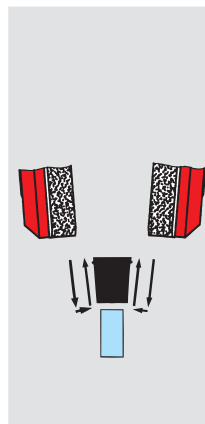
Three grinding programs integrated as standard.



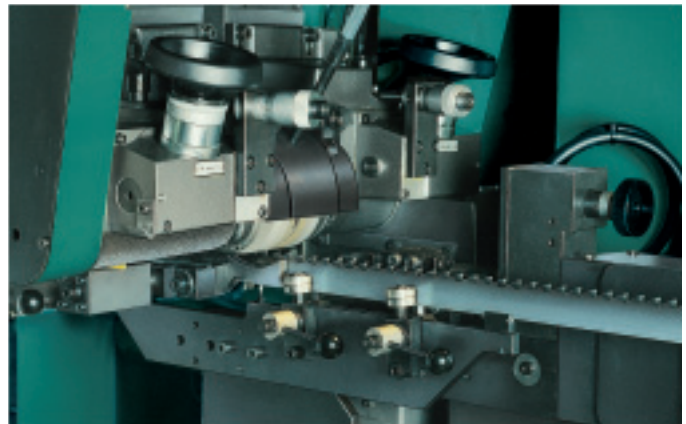
Grinding downwards, lift-off and back in rapid traverse.



Grinding downwards without lift off and back.



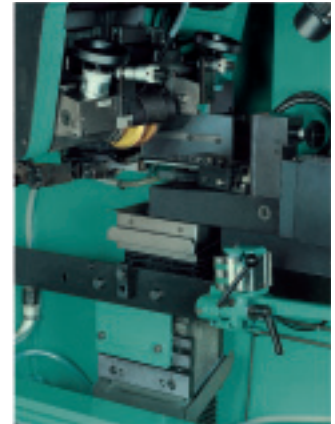
Grinding downwards with feed and back.



Side grinding the teeth of band saw blades for the production of mini gang saw blades.

Interesting problem solving.

The way in which different problems can be solved in detail and how versatile the machine is in application play an underlying role in determining quality and economy. These are just some of these special features:



The saw support with manual or central height adjustment guarantees the precise horizontal position of the saw blade.



Optimum accessibility using openings in the machine panelling.



Optional central lubrication.



A synchronously driven auxiliary feed device supports forward feed of the saw blade.



This optional filter system extracts the cooling mist.

All this is possible.

The major benefits of the CBF 300 at a glance:

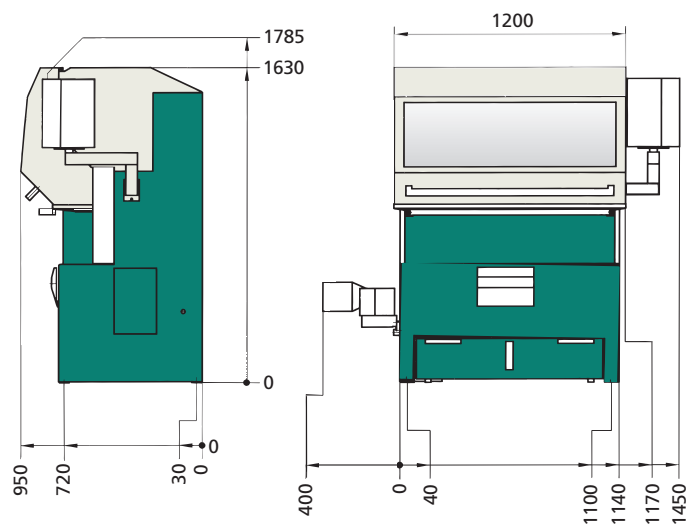
- High grinding accuracy and surface quality using the wet grinding technique with CBN grinding wheels.
- Precisely level surfaces due to face grinding even after several resharpening processes.
- Simple operation.
- Optional full enclosure for greater safety, sound and emission protection.
- Specially designed bracket to simplify saw blade insertion.
- Highly economical, space-saving operation in line with CA 200 or CA 300 profile grinding machines.
- Facility for grinding circular and gang saw blades as well as band saw blades for the manufacture of mini gang saws.

Specifications at a glance:

Blade width	60	to	420 mm
Blade thickness	0.9	to	3 mm
Tooth pitch	6	to	100 mm
Clearance angle			
in feed direction		to	7°
in cutting direction		to	7°
Circular saw outside dia.	200	to	900 mm

Grinding wheels			
outside dia.	75	to	125 mm
Working speed		to	20 teeth/min
Delivery output, coolant			40 l/min
Connected load		appr.	3.6 kW
Weight with enclosure		appr.	890 kg

Dimensions:



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