

NEW

Product information

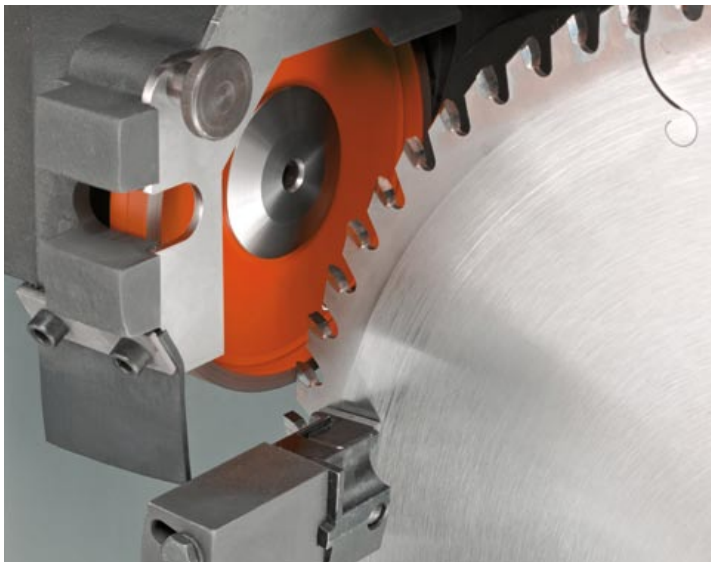
CP 200

Grinding machine for processing face and top grinding of TCT circular saw blades

CP 200

The idea.

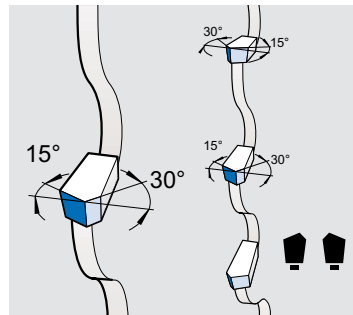
compact – fast – specific



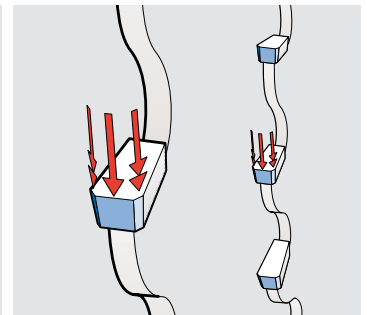
Tooth top machining.



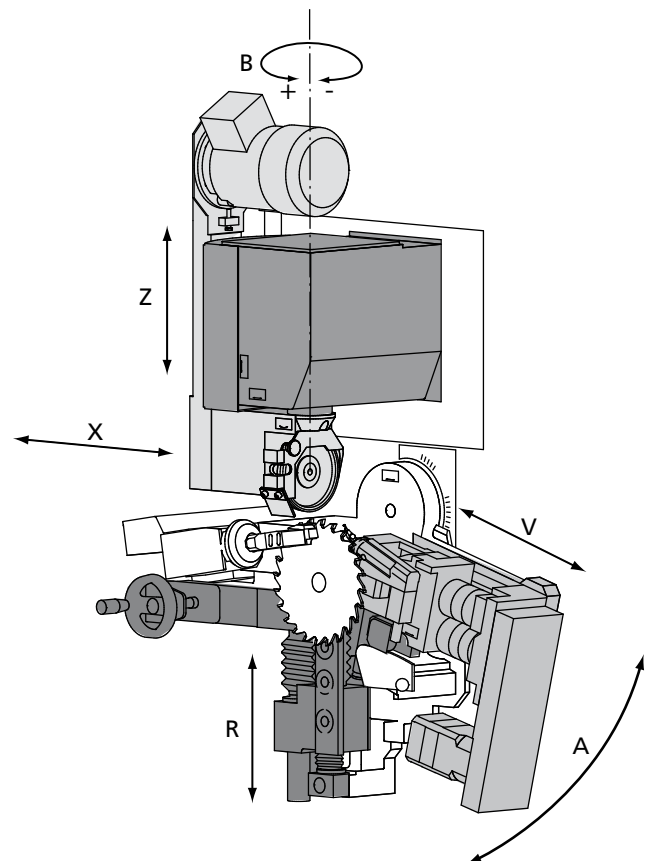
Tooth face machining.



Bevel grinding angles are all freely selectable.



The grinding speed can be adjusted continuously for the different faces.



High flexibility – four CNC-controlled axes (B, Z, X, V) provide highest flexibility.

The concept.

powerful – efficient – universal

The handling: Easy, safe and efficient because of VOLLMER innovation.

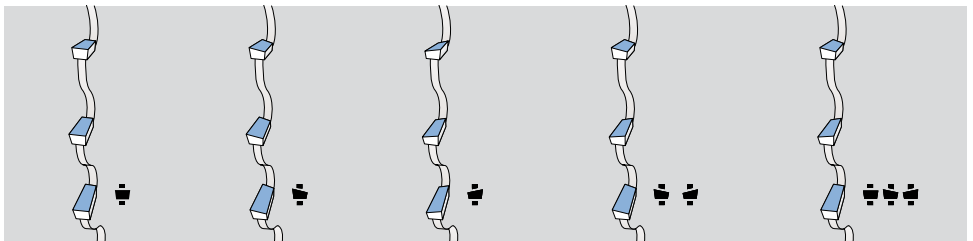
Almost all tooth geometries can be processed in one revolution.



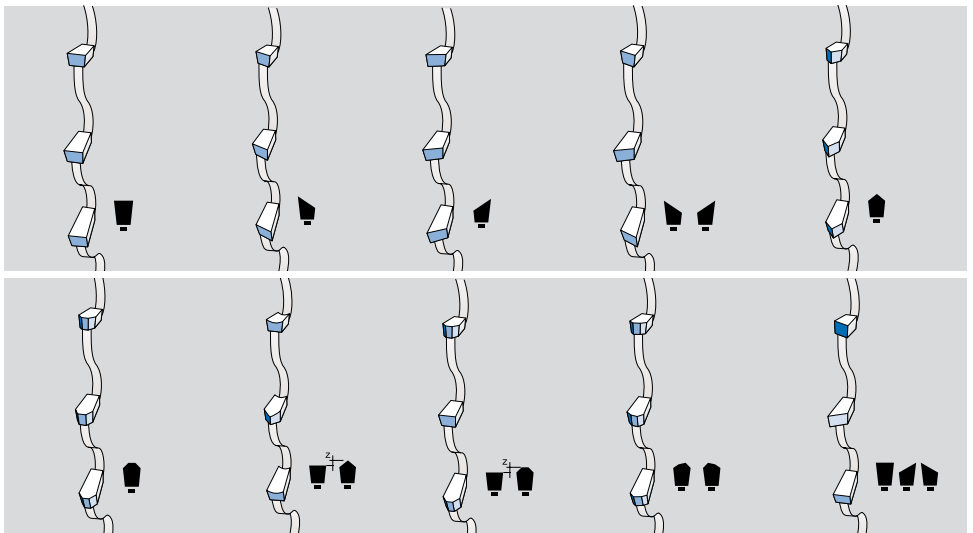
The well-known windows-based VOLLMER operator interface has been further optimized. This promises maximum ease of use.

The drive technology has been improved, too. Maximum dynamic and short down times bring profit to saw manufactures as well as sharpening shops.

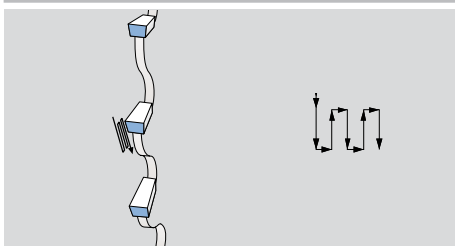
Examples of tooth shapes: Tooth face



Examples of tooth shapes: Tooth top

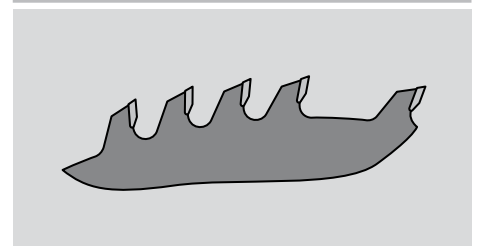


Process of oscillation grinding:



Oscillation makes it possible to achieve excellent surface qualities even at high stock removal.

Clustered toothing:



Clustered toothing can also be ground.

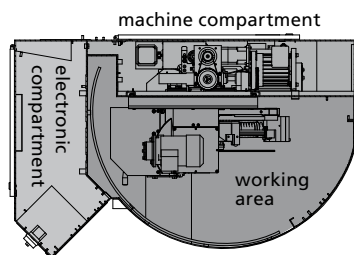
CP 200

The specifications at a glance:

• Circular sawblade	
Outside diameter	80 to 650 mm
Bore diameter	from 10 mm
Blade thickness	< 5 mm
Tooth pitch	6 to 100 mm
Grinding path length	< 20 mm
Hook angle	-10 to +30°
Clearance angle	5° to 25°
• Bevel grinding	
of the tooth top	up to 45°
of the tooth face	up to 15°
tooth height difference	as required
• Grinding wheel	
Outside diameter	125 mm
Bore diameter	from 32 mm
Peripheral speed	ca. 27 m/s
Grinding speed	0,1 mm/s to 20 mm/s
Working speed	to 20 t/min
• Coolant tank capacity	approx. 125 l
• Coolant pump delivery rate	approx. 50 l/min*
• Connected load	approx. 2 KVA**
• Weight	approx. 850 kg

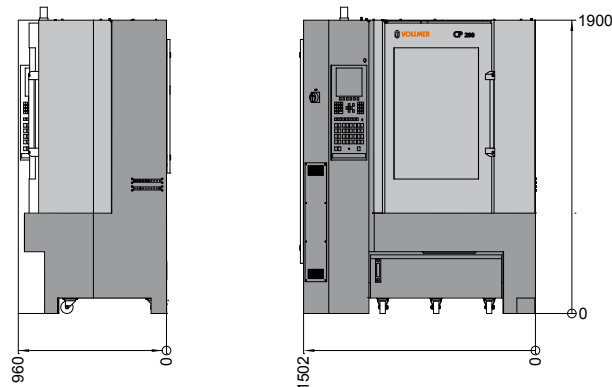
* according to configuration

** without additional components



By separating the machine compartment from the working area the mechanics and i.e. the motors are protected effectively against dirt and humidity. This guarantees a long life cycle and makes the machine easy to maintain.

Dimensions



We reserve the right to make design modifications in the interest of technical improvement. Application for patent has been filed.

The highlights:

With the CP 200, VOLLMER presents a unique machine concept which is incomparable in its class.

- All current tooth geometries for wood and aluminum processing are installed as standard and can be processed in one revolution.
- Saws with axis angle and clustered toothing can be processed in one revolution.
- No need to adjust tooth pitch.
- No need to adjust blade thickness.
- Oscillation grinding is included in standard equipment.
- Facility for relief grinding of the saw body is included.
- All bevel grinding angles and tooth heights can be chosen individually.
- Grinding speed can be entered infinitely for the different faces.
- Four CNC controlled axes → optimum movement coordination that means short grinding time caused by reduced non-productive time with high precision.
- High efficiency.
- Outstanding grinding results with emulsion as well as oil cooling.
- Simple operation. Entering of manual data at the control panel. The operator is guided – graphically supported – through the program at the LCD colour display.
- A new program can be created even while the machine is running.
- Operating system based on Windows with USB-connection for data exchange.
- Compact design – high flexibility – low space requirement.
- Solid machine construction on machine base.
- High security. Noise- and emission protection by the shapely full enclosure.
- By separating the electrical system, the engine room and the working area the mechanics and electrics are protected effectively against dirt.
- Up to 4.000 programs can be stored in the internal memory.
- Optional saw stop for quick setup in service.

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