



**Product information**

**CHC eco**

Sharpening machine for face and top grinding  
of TCT circular saw blades

# CHC eco

## Economic sharpening has a name: CHC eco

Sharpening machines of the CHC series have long been a model of success world-wide when it comes to "cutting-edge" precision. And the eco version offers a terrific price-performance ratio.

The machine concept for speedy sharpening of TCT circular saw blades up to 810 mm in diameter. With automatic bevel grinding control for saw blades for cutting wood and plastic, steel and non-ferrous metals. The changing rotatio-

nal direction of the grinding wheel leads to higher quality cutting edges, with short cycle times and ancillary times.

The VOLLMER PMC multiprocessor control creates all the right conditions for high quality in a variety of tooth shapes. All the main functions can be easily programmed and activated at the central control desk, and the LCD display with clear-text prompting keeps the operator informed of the operating status. A diagnostic program is also provided.

## Versatile in application



Saw blade holding fixture with optional magnetic clamping flange for accurate positioning of the saw blade



Top grinding



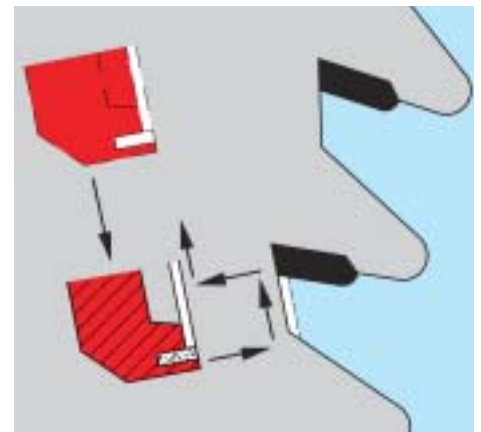
Face grinding



Wide-opening, sturdy blade clamp as optional extra

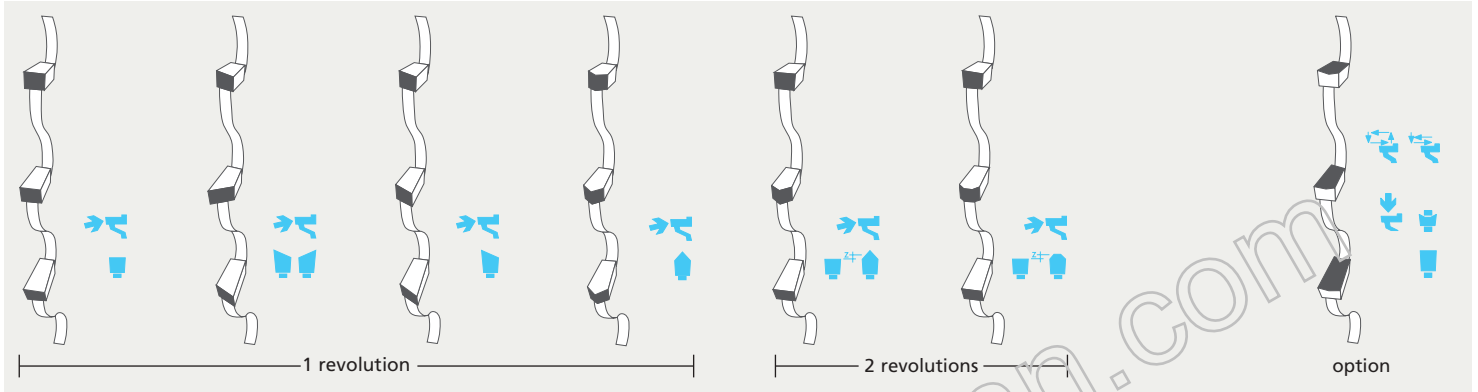


Hollow face grinding device as optional extra



Program for relief-grinding of blade body

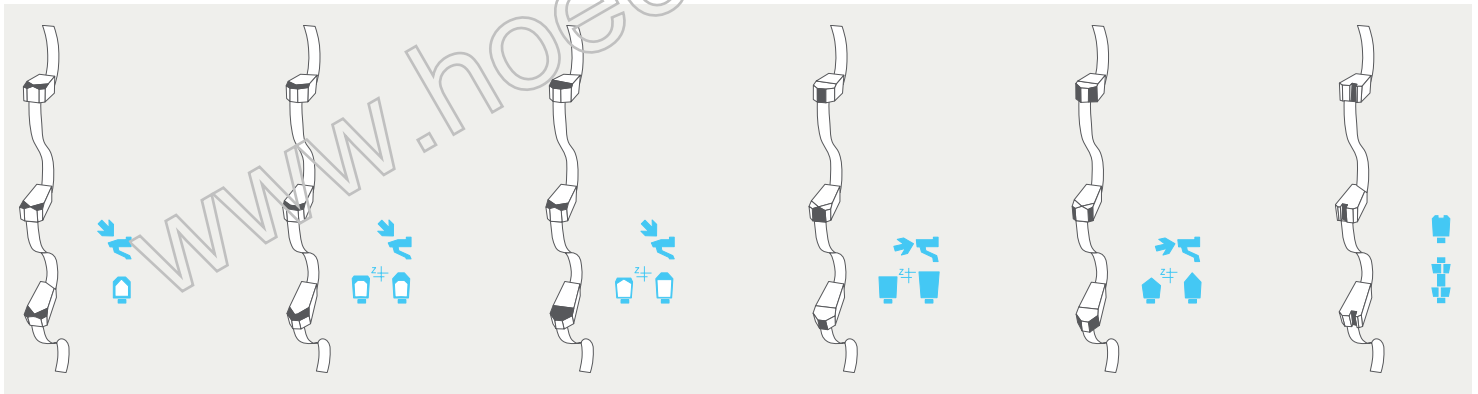
**Precision for all kinds of tooth shapes**



Further functions: sharpening of newly soldered saw teeth and skipping of individual missing teeth

**Re-sharpening of saw blades for metal cutting**

The CHC eco can also be used to grind the tooth geometries of steel-cutting saw blades at the tool top or face.



For tooth shapes with negative hook angles of up to 20°



Grinding of roughing and finishing tooth chamfers on HSS saw blades



Option: grinding of a chip breaker groove of TCT or HSS saw blades



Option: grinding of a chip breaker groove for small tooth pitches from 7 mm



## CHC eco

### Technical data at a glance:

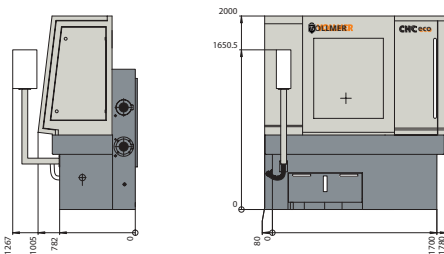
- Circular saws
  - Outer diameter from 80 to 810 mm
  - Bore diameter from 10 mm
  - Blade thickness up to 5 mm
  - Tooth pitch from 7 to 100 mm
  - Hook angle from  $-20^{\circ}$  to  $+40^{\circ}$
  - Clearance angle from  $6^{\circ}$  to  $45^{\circ}$
- Bevel grinding
  - Tooth top up to  $45^{\circ}$
  - Tooth face up to  $15^{\circ}$
  - Tooth height difference up to 2 mm
- Grinding path up to 20 mm
- Grinding speed continuously variable from 0.5 to 6 mm/s
- Working speed up to 20 teeth/min
- Grinding wheel
  - Outer diameter 125 mm
  - Bore diameter 32 mm
  - Peripheral speed 27 m/s
- Coolant pump delivery rate 50 l/min
- Coolant tank capacity approx. 85 l
- Connected load approx. 3.0 kVA/2.5 kW
- Weight (incl. covering) approx. 930 kg

### Advantages of the CHC eco:

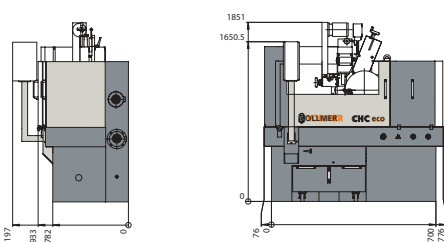
- Short grinding times, reduced ancillary times, excellent grinding results.
- Easy to operate (all main functions set and activated at control desk).
- Comprehensive software integrated.
- Numerous tooth shapes can be ground at the face or top in a single revolution.
- Easy loading and unloading of machine.
- Versatile application, including hollow face grinding and relief grinding of blade body.

### Dimensions

#### With full enclosure



#### Without full enclosure



We reserve the right to make design alterations in the interests of technical improvement.



The CHC eco is also available with a splash guard instead of full enclosure for some markets. The technical parameters are the same as for the fully enclosed version.

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