



**Product information**

**CA 350**

Machine for automatic profile sharpening of band saw blades. With 4 CNC-controlled axes

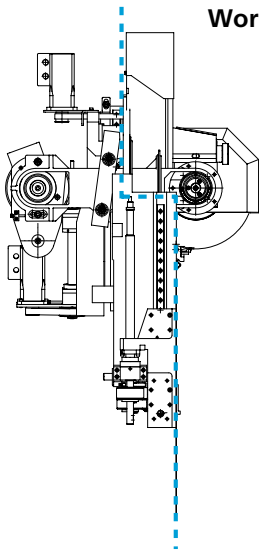
# CA 350

## A model of efficiency and precision

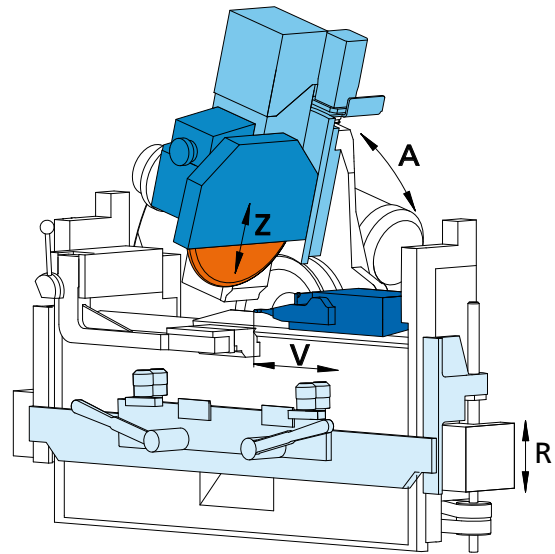
The economic success of a sawmill depends on keeping the saw blades impeccably sharpened. The newly developed band saw profile grinding machine CA 350 fulfils to the highest degree all the requirements of practical saw blade production and saw-mill operation. In designing this machine, we have placed key emphasis on high efficiency and functionality.

With 4 CNC-controlled axes, it sets the highest standards for band saw sharpening. Maximum grinding output and accuracy are achieved by means of high structural rigidity and a large grinding wheel (350 mm Ø) with a powerful drive motor. That way you are ideally equipped to make a first-class job of whatever sharpening tasks come your way – now and in future.

### Machine area Working area



The separation of machine and working area ensures easy maintenance and a long service life



4 CNC axes allow flexible and precise adaptation to different tooth shapes and geometries

## Principles of top quality and long life



High rigidity and grinding output thanks to large grinding wheel with powerful drive motor



Exact dressing of grinding wheel



Precise blade indexing with laterally operating electro-mechanical feed pawl

### Simple to operate, easy to maintain

Our standards are just as exacting in terms of operational reliability and user-friendliness. In addition to high performance, we also place key emphasis on ease of operation. The new blade clamp is highly rigid in design and simple to use. This makes for easier handling, thereby reducing set-up times and raising productivity.

The optimal accessibility of the maintenance elements from the front and the separation between the machine area and working area make service and maintenance quicker and easier.

If the sharpening machine CA 350 is operated in-line with the side grinding machine CBF 310, band saw blades can be machined in one go, thus saving both time and money.

The freely programmable tooth shape management program enables the operator to grind every conceivable tooth shape, whether basic, winter or vario types.

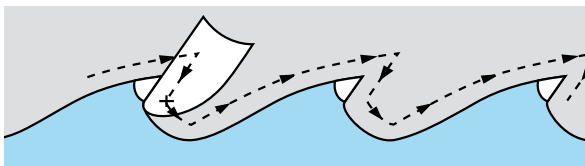


Control desk with input keyboard for program editing and data input

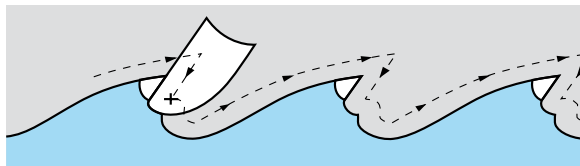


Optional fire extinguishing unit for oil-cooled systems

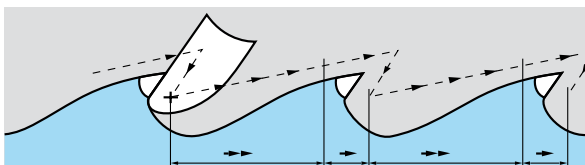
### Some examples of possible grinding programs



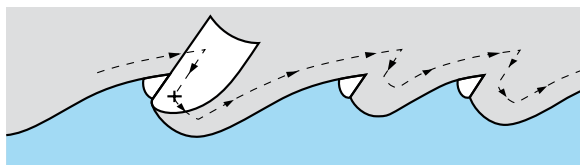
Standard shape



With program for winter tooth shapes



With program for high-speed bypassing of tooth gullet for newly tipped saw blades



With program for accurate profile sharpening of saw blades with vario-toothings

## CA 350

### Technical data at a glance:

- Band saw blades
  - Blade width (80\*) 120 to 360 mm
  - Blade length from 6 m
- Blade thickness up to 2.8 mm
- Tooth pitch 20 to 80 mm
- Tooth height up to 40 mm
- Working speed continuously adjustable 5 to 30 teeth/min
- Grinding wheel
  - Outer diameter CBN 300 mm
  - Outer diameter Corundum 350 mm
  - Peripheral speed 35 to 63 m/s
- Connected load approx. 6.25 KVA/5.1 kW
- Net weight approx. 1450 kg
- (\*optional)

### Highlights:

- 4 CNC-controlled axes (tooth feed, grinding stroke, hook angle adjustment and blade width adjustment).
- Sturdy machine construction based on central block for high-precision sharpening results.
- Separation of machine area and working area for easier maintenance and a longer machine life.
- Thoughtfully designed details for enhanced user-friendliness.
- Excellent grinding pattern and extremely high output thanks to large grinding wheel and powerful drive motor.
- Automatic dressing of corundum grinding wheel for improved sharpening accuracy.
- Sophisticated electrically operated pawl feed system (non-hydraulic, non-pneumatic) consisting of drag pawl or sideways entry/exit pawl.
- Optimal front access to maintenance units.
- Various add-ons from CA 200 / CA 300 can be used.
- Oil suitable as cooling medium (option).
- Newly developed tooth shape program for excellent flexibility and user convenience.

### Dimensions

