

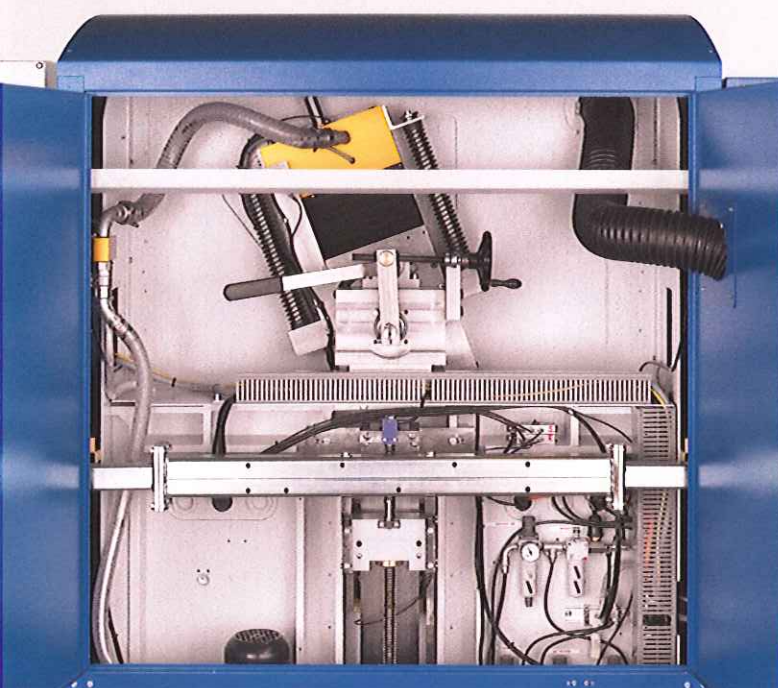
Specifications bc 130

- Carborundum grinding-wheel
 - Diameter: 300 mm
 - Bore diameter: 25 / 32 mm
 - Width: 8 / 10 / 12 mm
- CBN grinding-wheel
 - Diameter: 250 mm
 - Bore diameter: 25 / 32 mm
 - Width: 6 / 10 mm
- Tooth shapes: individually by choice
- Tooth pitch: 15 to 60 mm
- Tooth height: 5 to 20 mm
- Front rake angle: 0 to 35°
- Blade width: 60 to 360 mm
- Blade length: 5'600 to 14'000 mm
- Feeding speed with frequency converter: 10 to 30 teeth/min.
- Peripheral speed of grinding-wheel with frequency converter: 25 to 60 m/sec.
- Connected load: 3,0 kW approx.
- Compressed air supply: 6 bar
- Weight of machine:
 - without saw blade supports: 1'200 kg
 - with saw blade supports: 1'380 kg
- Height of machine: 180 cm
- Dimension of sea-case: 4 m³ approx.

Special executions on request.

Subject to alteration in design for technical advancement.

SQS Zertifikat ISO 9001



iseli bc 130

CNC controlled sharpening machine for wet grinding bandsaw blades and circular saw blades

High precision sharpening.



Tooth by tooth for a fine faced tooth giving burr free finish.

iseli

Iseli & Co. AG
Maschinenfabrik
Luzernerstrasse 31
CH-6247 Schötz

Tel. 041 984 00 60
Fax 041 984 00 66
office@iseli-swiss.com
www.iseli-swiss.com

Introducing the ISELI bc 130 CNC

Today's sawmills are making greater demands on the saw blades. Accordingly, the sharpening machines have to be of a high standard. The CNC technology we offer allows unlimited tooth shape possibilities.

The new sharpening machine presents the following features:

- The saw blade is finish-ground by X- and Y-axes in one or several passages by selectively programmable feed values.
- The operation of the machine is executed by touch-screen on the monitor.
- The tooth height and tooth pitch can be changed and adjusted during grinding process.

- On request, up to 30 tooth shapes can be programmed.
- Four feed speeds are selectively programmable when grinding the tooth profile (option).
- The grinding-wheel peripheral speed can be adjusted by frequency converter.
- The machine is available for right and left blades.
- The design of the machine is very operator friendly.
- The CE-regulations are completely observed. The electrical equipment is in accordance with IEC-204-1 standards.

Further qualities

- The low construction height of the machine enables easy loading of the saw blades.
- Pneumatic saw blade clamping.
- Motor adjustment of the blade height.
- Feed finger swings out on return stroke preventing any pull back of the saw blade.
- Powerful grinding-mist exhaust included.
- The fully closed protection casing provides maximum safety for the operator, reduces noise drastically and makes the environment cleaner.
- Excellent surface finish when using CBN grinding-wheels as well as Carborundum grinding-wheels for wet grinding.

- Large grinding-wheel diameter up to 300 mm.
- Mechanism and grinding head guide with tempered shafts and ball bush bearings giving very long life.

Special advantages of grinding with CBN-wheels

- Smoother wet ground surface.
- Longer life of the saw blade.
- Minimum wear of grinding-wheel (giving constant tooth shape).
- 1 to 2 passages for resharpener for different amounts of wear of the saw blade.
- No grinding dust.
- Large amount of noise reduction.

iseli bc 130



Options

- The requested number of tooth shapes are programmed, transfer by EPROM.
- Automatic removing of the grinding-wheel from the tooth face at the last run.
- Programme for construction of individual tooth shapes.
- Programme for proportional variable tooth pitches.
- Programme for standard variable tooth pitches.
- Tooth shape with frost notch (notch at the tooth point).
- Constant peripheral speed of grinding-wheel (grinding-wheel dressing attachment compulsory).
- Lateral and backward blade supports with central height adjustment.
- Single stand with manual or motor height adjustment.
- Additional supports for double toothed saw blades.
- Auxiliary backward feed, pneumatic control.