



## ISELI – PRECISION FOR A PERFECT CUT

ISELI develops and manufactures grinding machines, complex processing machines and automation for a perfect saw shop at manufacturers of tools, service providers as well as for sawmills in the field of sharpening technology for band, gang and circular saw blades in the area of wood, aluminum, plastic and metal. Convince yourself of our expertise and experience for a perfect cut !

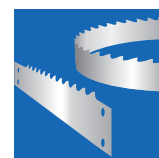
### Swiss quality by tradition

As a traditional family business, today already managed by the third generation, ISELI is developing sharpening machines with the latest technologies and excellent engineering – made in Switzerland.

ISELI system technology is convincing thanks to its maximum operating convenience, flexibility in the applications as well as to adaptation to customer requirements. Its outstanding quality makes ISELI sharpening machines a future-proof investment.

### Together ahead of the competition

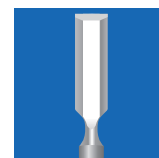
As a customer, you benefit on one hand from our fair, partnership-based cooperation and on the other from our continuous development of the machining and sharpening processes. An additional advantage is the intelligent optimization in process and product handling.



Sharpening solutions  
for band and gang saws



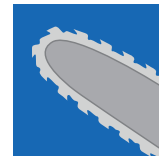
Sharpening solutions  
for circular saws



Sharpening solutions  
for hand tools



Sharpening solutions  
for industrial blades



Sharpening solutions  
for chain saws



Service



# BAP 100 / 110

## AUTOMATIC PROFILE SHARPENING MACHINE FOR BAND SAWS WITH CAM CONTROLLED SYSTEM IN DRY OR WET GRINDING

The tooth shape cams can be quickly exchanged with just a few simple adjustments



# SPECIFICATIONS

## GENERAL INFORMATIONS:

Tooth pitch (Variant 1)	25 - 60 mm
Tooth pitch (Variant 2)	18 - 50 mm
Tooth height	6 - 20 mm
Front rake angle	5 - 35°
Tooth shapes	single shape or a bank of 3 cams

## BAND SAWS:

Blade width (Standard)	70 - 360 mm
Blade width (Option)	25 - 360 mm
Blade length (Standard)	from 5'600 mm
Blade length (Option)	from 4'600 mm

## GRINDING WHEEL:

Outer diameter Corundum	Ø 300 mm
Outer diameter CBN	Ø 250-300 mm
Bore diameter	Ø 32 mm
Peripheral speed	programmable

## PROPERTIES:

Standard Voltage	400 V 3 Ph. N
Connected load	3.6 kVA
Compressed air supply	6 bar
Coolant tank	150 l
Weight	approx. 1.000 kg

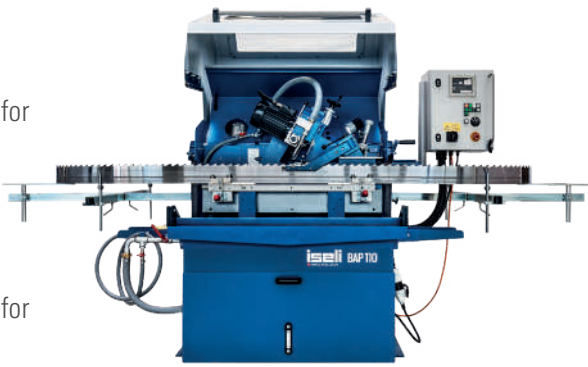
Subject to alteration in design for technical advancement.

# BAP100

- Maschine equipped for dry grinding

# BAP110

- Maschine equipped for wet grinding



# GRINDING PROGRAMS



Grinding programme for standard toothting

# EASY HANDLING, EXCELLENT PRECISION

The cam-controlled machine of type BAP100 sharpens the complete profile of your band saw blades. It can be configured for dry (BAP100) or wet (BAP110) grinding. The machine is robust, functional and is convincing with a high functionality and excellent cost-performance ratio.

The robust design of the machine guarantees an extremely long lifetime coupled with high precision and low maintenance. The separation of machine and working areas for longer lifetime with the effect of reduced maintenance.

The tooth shape cams can be quickly exchanged with just a few simple adjustments, making it easy to grind different band saw blades.

ISELI is providing an outstanding range of solutions and accessories designed using our unique experience and know-how of mechanical engineering and software development.

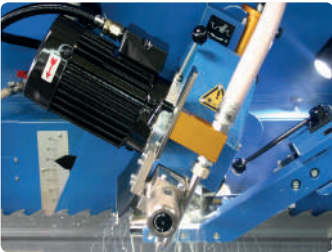
Our innovative grinding solutions prolongs the tool life of your saw blades and boosts the productivity of your grinding room.

# OPTIONS

- Grindig wheel dressing device
- Dust mist exhaust
- Lever control for 3 different tooth shapes
- Continuous tooth pitch adjustment
- Speed regulator for grinding wheel
- Equipment for double toothed band saw blades
- Loading unit
- Lateral support, single stands, auxiliary back feed for band saw blades

# HIGHLIGHTS

- Our band saw blade grinding machine BAP110 has a robust steel design with a fully enclosed protection hood. The robust design guarantees an extremely long lifetime coupled with high precision and low maintenance.
- The cam-controlled machine sharpens the complete profile of your band saw blades. The tooth shape cams can be quickly exchanged with just a few simple adjustments, making it easy to grind different band saw blades. Lever control for 3 different tooth shapes
- 1 Tooth shape cam on choice and 1 Tooth pitch cam on choice
- The complete feed unit is running in the oil bath what makes it maintenance-free. The feed mechanism lifts on its return stroke eliminating drag-back.
- Mechanism and grinding head guides with tempered shafts and ball bush bearings giving very long life (minimum maintenance and no greasing points).
- Grinding head guide mounted on ball bushings
- The use of proven components and aggregates as well as in-process quality control are the basis for operational safety, optimum work results and durability.
- Operation of the machine by use of a touch screen monitor. Modern, neatly arranged selective programme control and very operator friendly.
- 4 Speeds programmable for the complete tooth shape
- The standard machine is equipped with a large corundum grinding-wheel of 300 mm of diameter. Powerful water cooling System within fully closed protection hood.
- Direct drive of the grinding wheel
- Automatic down feed of the grinding-wheel
- The use of CBN grinding-wheels increases accuracy and secures a constant tooth shape.
- Feed speed regulator with frequency converter, four speeds are programmable when grinding the profile.
- Ask for a reference list and convince yourself with high functionality and excellent cost-performance ratio.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.



## STRONG GRINDING MOTOR

The standard machine is equipped with a strong grinding motor and with large corundum grinding-wheel of 300 mm of diameter.



## EASY OPERATION

Operation of the machine by use of a touch screen monitor. Modern, neatly arranged selective programme control and very operator friendly.



## POWERFUL MIST EXTRACTION

The mechanical air filter serves to settle oil and emulsion mist.

The ISELI air filter can freely control the suction volume and can be placed anywhere.

# SPACE REQUIREMENTS

