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

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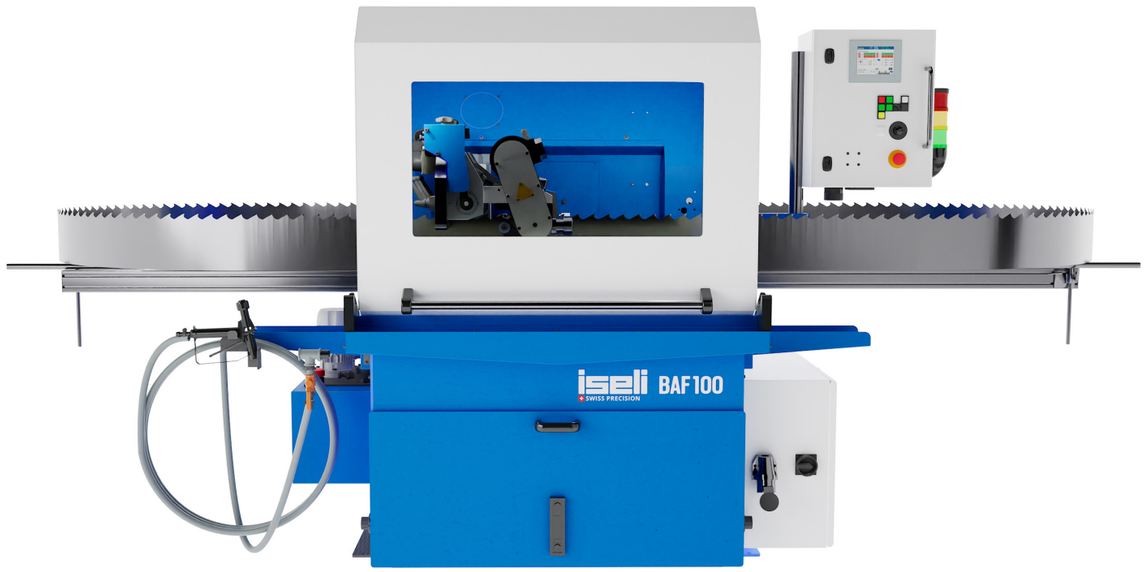
BAF 100

AUTOMATIC, HYDRAULICALLY CONTROLLED SIDE GRINDING MACHINE FOR BAND, CIRCULAR AND GANG SAW BLADES

Highest grinding quality for the demanding requirements
in sawmills and saw production



SPECIFICATIONS

BASIC INFORMATION:

Tooth pitch	13 – 127 mm
Front rake angle	0 – 35°
Clearance angle Tooth face	0° - 7°
Clearance angle Tooth back	0° - 7°

BAND SAW BLADES:

Blade length	from 5'600 mm
Blade width (Standard)	60 – 360 mm
Blade width (Optional)	from 30 mm
Blade thickness	from 0.7 mm

CIRCULAR SAW BLADES:

Outer diameter	250 – 600 mm
Bore diameter	22 – 210 mm

GANG SAW BLADES:

Toothed lengh	up to 1'500 mm
Blade width (Standard)	80 – 150 mm

POWER REQUIREMENTS:

Standard Voltage	400 V 3 Ph. N
Connected load	5.5 kVA

Subject to alteration in design
for technical advancement.

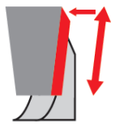
RELIABLE TECHNOLOGY COMBINED WITH LATEST COMPONENTS

The hydraulically controlled side grinding machine of the type BAF 100 impresses in daily use. The machine is easy to operate and has an excellent accessibility. Thanks to continuous development, the machine impresses with their durability and extreme precision.

The synergy of advanced electronics coupled with proven, durable components and the usual quality of ISELI leaves no questions for any doubt.

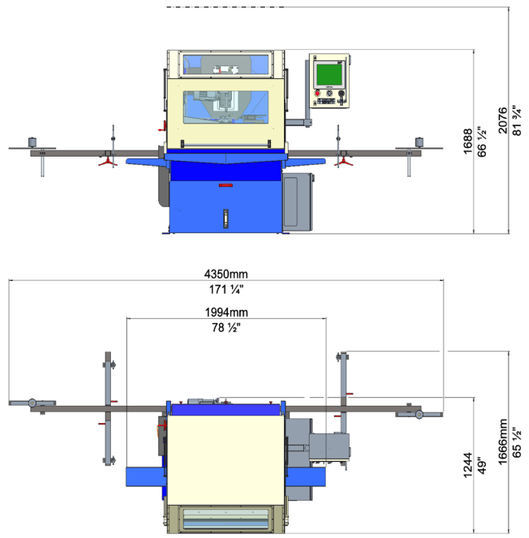
ISELI is providing an outstanding range of solutions and accessories designed using our unique experience and know-how of mechanical engineering and software development. Our innovative grinding solutions prolongs the tool life of your saw blades and boosts the productivity of your grinding room.

GRINDING PROGRAMMES



Grinding-wheel feed is at the top.
This process can be repeated several times

SPACE REQUIREMENTS



OPTIONS

- Equipment for band-, circular- and frame saw blades
- Dust mist exhaust
- Precision clamping at saw tooth
- Automatic down feed of the grinding wheel
- Equipment for double toothed band saw blades
- Loading unit

HIGHLIGHTS

- Our band saw blade side grinding machine BAF 100 has a robust steel design with a fully enclosed protection hood.
- The machine is hydraulically controlled and equipped for circular, band and gang saws.
- Pivotable feed motion at the grinding point for circular saw blades.
- Individual machine for stellite-tipped and swaged saw blades.
- Modern and user - programmable control unit and digital temperature display (optional).
- The use of proven components and aggregates as well as inprocess quality control are the basis for operational safety, optimum work results and durability.
- Continuous adjustment of the working speed (hydraulic).
- The two sturdy grinding units with grinding wheel diameters of 75, 100 or 125, guarantee a good machining output coupled with high precision and grinding quality. Suitable for application of Borazon grinding-wheels.
- Integrated spindle height adjustment, incl. multi-function indicator.
- Reduced grinding times and low wear of the grinding wheels.
- Hydraulically operable blade clamping equipment providing a powered balance during blade feed movements and incorporating pivotable clamping equipment displacement to facilitate blade changing.
- Auxiliary hydraulic blade tooth clamping equipment for stabilization of thin teeths during grinding allowing higher tip grinding tolerance.
- The latest CE-regulations are completely observed.
The electrical equipment corresponds with IEC-60204-1 standards.