**IESELI – Worldwide expertise in sharpening machines**

IESELI, in the Swiss town of Schötz, has combined tradition and creativity for over 70 years in the field of sharpening technology for band, gang and circular saw blades for wood, aluminum, plastic and metal. In constant dialog with the customers and thanks to the team of competent and committed employees, its sharpening machines and complex systems have set worldwide standards. Innovative mechanical engineering and effective system technology ensure the highest customer satisfaction.

**Swiss quality by tradition**

Customer orientation and expertise from the very beginning! ISELI is today one of the leading suppliers of sharpening machines and systems for sawmills, saw producers and saw service companies that place the highest demands on efficiency and cost-effectiveness. ISELI system technology is convincing thanks to its maximum operating convenience, flexibility in the applications as well as to adaption 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.

**We are system solvers**

As a specialist in sharpening technology, we develop modern, future-oriented system solutions and machine concatenations.

We bring the automation of the sharpening processes and the optimization of the handling to „INDUSTRY 4.0“ cost-efficient harmonization.

**Our core competences**

**Machining and sharpening solutions for band and gang saws**

We offer our customers the world’s largest selection of specialized and combined processing and sharpening machines:

- Profile grinding
- Straightening / tensioning
- Measuring / marking
- Tipping / Swaging
- Welding

**Sharpening and handling solutions for Carbide / HSS circular saw blades**

Space-saving compact machine design, clear and simple operation, economical energy consumption as well as flexibility in machining are the essential features of our machine series for the treatment of:

- Hook and side angles (HM)
- Side angles (HM)
- Geometry and profile (HSS)
- Automation / Handling
- Repair / Brazing

**EBW-V**

Automatic side grinding machine for band, circular and gang saw blades in wet grinding

the most cost-effective alternative with proven Swiss quality and precision
Our side grinding machine EBW-V has a robust steel design with a fully enclosed protection hood. The robust design guarantees an long lifetime coupled with high precision and low maintenance.

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.

Very short adjusting operations because the tooth position remains the same for all types of saw blades.

Powerful water cooling within fully closed protection hood; Elimination of linear guide slides.

Feed speed by 2-step motor. The grinding-wheel peripheral speed can be adjusted by frequency converter (10 to 30 teeth per minute).

Minimum wear of grinding wheels and much reduced grinding times.

The use of CBN grinding-wheels increases accuracy and secures a constant tooth shape.

Integrated grinding spindle height adjustment from the front of the machine.

The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.

Specifications

Basic information:
- Tooth pitch: 15 - 100 mm
- Front rake angle: 0 – 35°
- Clearance angle Tooth face: 0° – 7°
- Clearance angle Tooth back: 0° – 7°
- Working speed: 10 - 30 t / min**

Band saws:
- Blade length: from 6'000 mm
- Blade width: 60 - 360 mm
- Blade thickness: from 0.7 mm

Circular saws:
- Circular saw diameter: 250 - 800 mm
- Circular saw diameter (Option): up to 1'300 mm
- Blade thickness: up to 6 mm

Gang saws:
- Toothed length: up to 1'300 mm
- Blade length: 70 - 180 mm
- Blade thickness: from 0.8 mm

Power requirements:
- Standard Voltage: 400 V 3 Ph. N
- Connected load: 5.5 kVA
- Grinding motors (2): 400 V / 0.75 kW

Shipping information:
- Dimension of packing: 240 x 160 x 190
- Net weight: approx. 970 kg
- Gross weight: approx. 1'130 kg

** Working speed is according to tooth shape, tooth pitch and feed system

Reliable technology combined with latest components

The mechanical controlled EBW grinds the tooth sides of your saw blades. It can be configured for wet or dry grinding (Type EBN) and is distinguished for its high functionality and excellent cost-performance ratio.

The robust design guarantees an extremely long lifetime coupled with high precision and low maintenance. The separation of working area and machine area protects the electrical and mechanical systems, cuts down on maintenance and allows easy access to important components for servicing.

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.

The most important features

- Our side grinding machine EBW-V has a robust steel design with a fully enclosed protection hood. The robust design guarantees an long lifetime coupled with high precision and low maintenance.
- 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.
- Very short adjusting operations because the tooth position remains the same for all types of saw blades.
- Powerful water cooling within fully closed protection hood; Elimination of linear guide slides.
- Feed speed by 2-step motor. The grinding-wheel peripheral speed can be adjusted by frequency converter (10 to 30 teeth per minute).