

ISELI – Worldwide expertise in sharpening machines

ISELI, 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 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.

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.

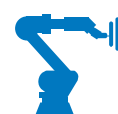
Our core competences



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 • Side grinding
- Straightening / tensioning
- Measuring / marking
- Tipping / Swaging • Welding



Sharpening and handling solutions for Carbide / HSS circular saw blades

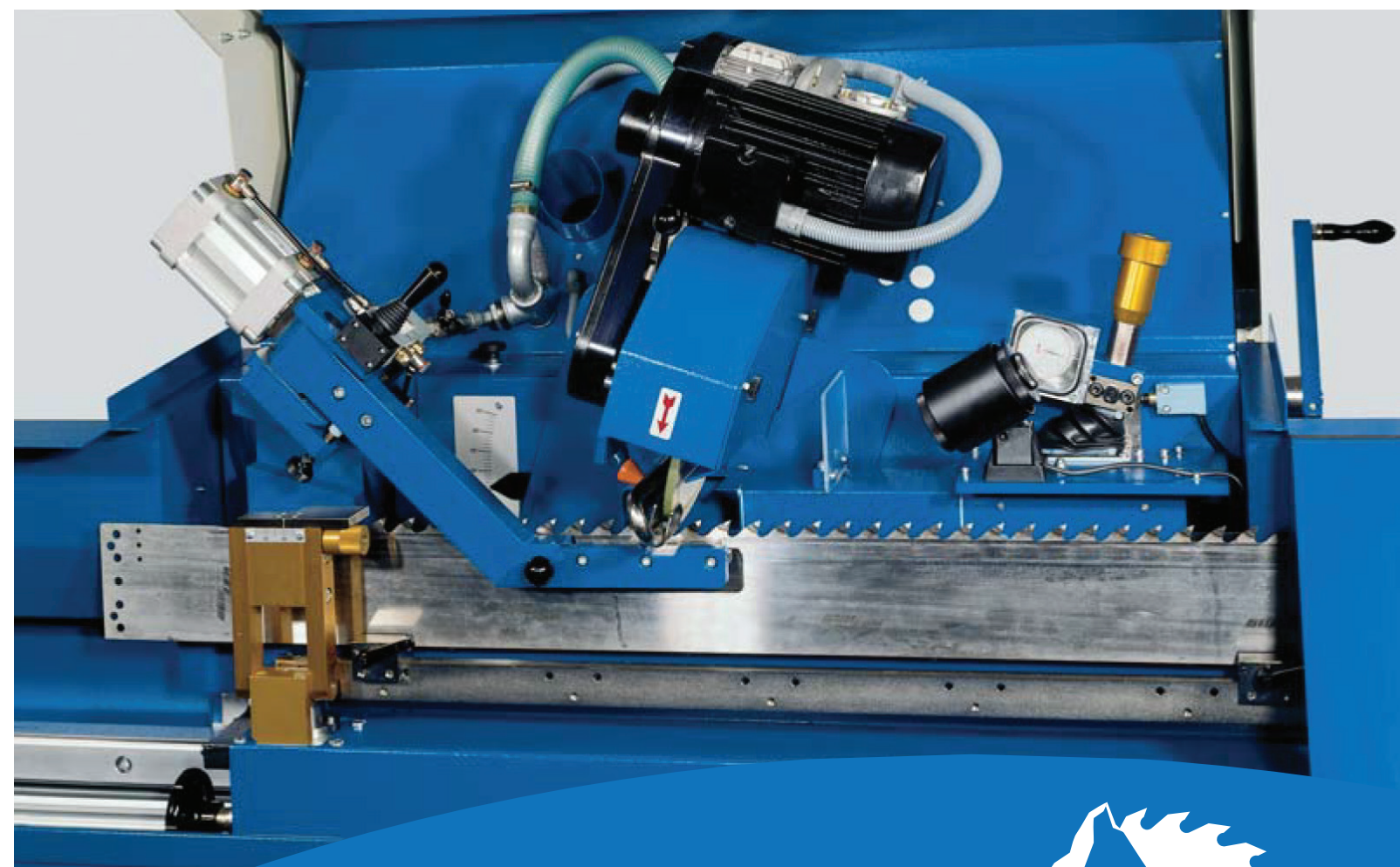
Space-saving compact machine design, clear and simple operation, economical energy consumption as well as flexibility in machining are the essential features of our machine series for the treatment of:

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

Technische Änderungen vorbehalten.

GS1

Automatic controlled sharpening machine
for gang saw blades in wet grinding
a toothed rack with 4 tooth pitches is
optionally available



Specifications

Basic information:	
Tooth pitch	18 - 35 mm
Tooth height	6 - 30 mm
Tooth face angle	5 - 25°
Tooth shapes	Pointed, curved, hooked

Grinding wheel:	
Outer diameter Corundum	300 mm
Bore diameter	32 mm
Peripheral speed	programmable

Gang saw blades:	
Blade width	60 - 160 mm
Toothed length	1'400 mm

Power requirements:	
Standard Voltage	400V, 3 Ph N
Connected load	3.0 kVA

Air supply:	
Compressed air supply	6 bar

Shipping information:	
Dimension of packing	370 x 135 x 190
Net weight	approx. 1070 kg
Gross weight	approx. 1200 kg

Subject to alteration in design for technical advancement.

Special executions on request.

Certificate ISO 9001



Easy handling, best precision

The cam-controlled machine of type GS1 sharpens the complete profile of your gang saw blades. The machine is robust, functional and is convincing with a high functionality and excellent cost-performance ratio.

The robust design of the GS1 guarantees an extremely long lifetime coupled with high precision and low maintenance. 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 gang 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.

The most important features

- Our gang saw blade profile grinding machine of type GS1 has a robust steel design with a fully enclosed protection hood. The robust design guarantees an extremely long life-time coupled with high precision and low maintenance.
- The cam-controlled machine sharpens the complete profile of your gang saw blades. The tooth shape cams can be quickly exchanged with just a few simple adjustments, making it easy to grind different gang saw blades.
- 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.
- 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.
- The standard machine is equipped with a large corundum grinding-wheel of 300 mm of diameter.
- Powerful water cooling system to accept Corundum grinding wheels within fully closed protection hood.
- Feed speed regulator with frequency converter, four speeds are programmable while grinding the profile.
- Front rake angle adjustable by spindle and well-positioned scale.
- Operation of the machine by use of a touch screen monitor. Modern, neatly arranged selective programme control and very operator friendly.
- Precision linear guide for carriage and precision spindle height adjustment for blade width.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.