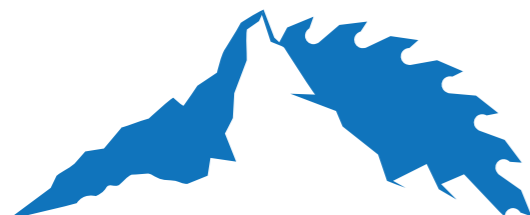


em 300

With common goals together on top

Tool grinding lies at the heart of the economic viability of modern grinding shops and Today's sawmills. Grinding shops and saw blade manufacturers expect reliability and the highest quality when undertaking saw blade maintenance.

Due to the high flexibility, our expert team is always in a position to meet with the current requirements. Customer focus is not only written, it is lived daily. With the philosophy „together on top“ ISELI wants to realize common goals with the customers.



The system engineering of our products results in the highest functionality and ease of maintenance. Custom-tailored requirements are mostly realized. ISELI consistently relies on the latest technologies and long-life components – of course, the maintenance and repair costs are kept as low as possible. Quality that pays off!

To support a smooth work at our customers, we at ISELI offer an excellent after-sale service and can supply 95% of original spare-parts from stock.

Precision, economic viability and innovation

ISELI is one of the leading providers in the processing of band, gang and circular saws. The ISELI team in Schötz produces all machines in Switzerland and guarantees a high technical know-how with experience for more than 70 years.



Technologies for band saws

The worldwide largest selection for the processing of band saws. From automatic machines up to 6-axes-driven machines, ISELI leaves nothing to be desired.



Technologies for circular saws

ISELI sets new standards for carbide-tipped circular saws with the world's first fully automatic circular saw sharpening machine, which does all grinding processes (face, back, chip breaker and flanks) in one only operation.



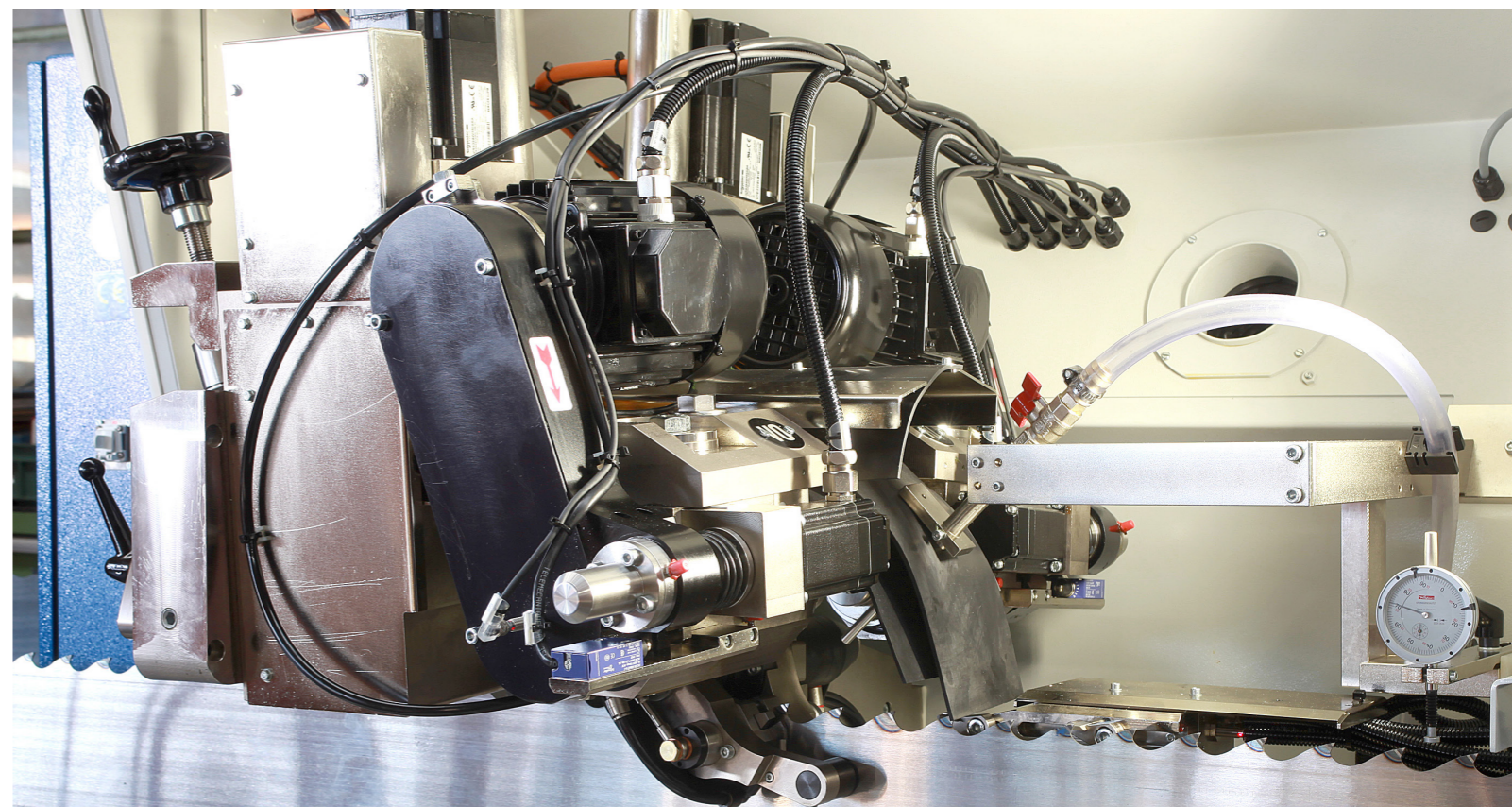
Technologies for gang saws

In 2012, ISELI started a new trend with the gang saw machine type of GS4. Optimize your business processes with new services!

With annual innovations and developments ISELI pursues ambitious targets.

em 300

Automatic side grinding machine for band saw blades controlled with 4 CNC axes in wet grinding
dual side-grinding with highest economic efficiency, most accuracy and smooth surface



Specifications

Basic information:	
Tooth pitch	15 - 100 mm
Clearance angle tooth face	0° - 7°
Clearance angle tooth back	0° - 7°
Tooth face angle	0° - 35 °
Working speed	ca. 10 t / min **

Grinding wheel:	
Outer diameter (Variant 1)	Ø 75 – 100 mm
Outer diameter (Variante 2)	Ø 100 - 125 mm
Bore diameter	Ø 20 mm
Peripheral speed	programmable

Band saw blades:	
Blade length (standard)	from 5'300 mm
Blade width (standard)	75 – 360 mm
Blade width (optional)	30 – 360 mm

Power requirements:	
Standard Voltage	400 V 3 Ph. N
Connected load	5.4 kVA
Grinding motors (2)	1.5 kW

Shipping information:	
Dimension of packing	240 x 160 x 190 cm
Net weight	approx. 1'600 kg
Gross weight	approx. 1'850 kg

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

Subject to alteration in design for technical advancement.

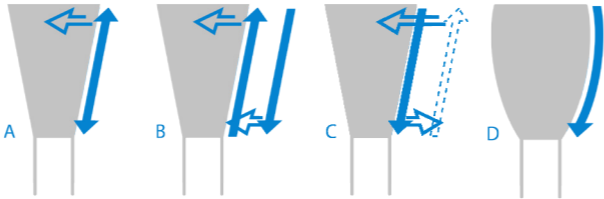
Special executions on request.

Certificate ISO 9001



Possible grinding programmes

- A** Grinding-wheel feed is at the top. This process can be repeated several times
- B** Grinding-wheel feed is at the top and at the bottom what results in 2, 4 or 6 feeds
- C** Grinding-wheel feed is at the top. At the bottom, the grinding-wheel is moved back. The grinding head goes quickly upwards and the feed is again activated. This process can be repeated several times.
- D** Optional ability to grind the tooth convex (crowned)



The most important features

- Our grinding machine gives you maximum grinding accuracy for your bandsaw blades, and a top-quality finish. The machine works with water emulsion or with oil. Optional oil cooling system and C02 fire safety unit.
- The machine is equipped with 4 axes (standard) control unit. We offer a CNC technology allowing unlimited possibilities for sharpening the flanks of the saw tooth. Dual side-grinding with high economic efficiency.
- Operation of the machine by use of a touch screen monitor. Conception and design of the machine are very operator friendly. That means short programming times, rapid familiarisation and flexible deployment of operating personnel at short notice.
- The application of CBN grinding-wheels for stellite-tipped circular saw blades or diamond grinding-wheels for carbide-tipped circular saw blades results in a high grinding accuracy and smooth surface.
- Built-in adjustment by electric motor.
- Wet grinding technique (emulsion and oil cooling) with CBN diamond grinding wheels. Minimum wear of grinding wheels and much reduced grinding times.
- This machine is also highly suitable for grinding thin-cutting and mini gang saw blades. Our auxiliary pneumatic saw blade clamping for stabilization of thin teeth during grinding, resulting in higher dimensional accuracy.
- Very short adjusting operations because the tooth positions remains the same for all types of saw blades.
- Adjustment of grinding wheel peripheral speed can be adjusted by frequency converter.
- 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 latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.