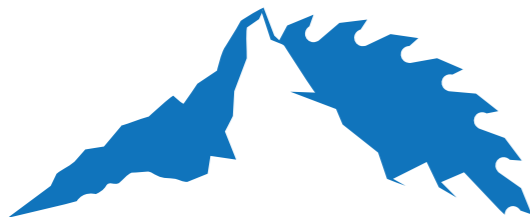


SAM

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.



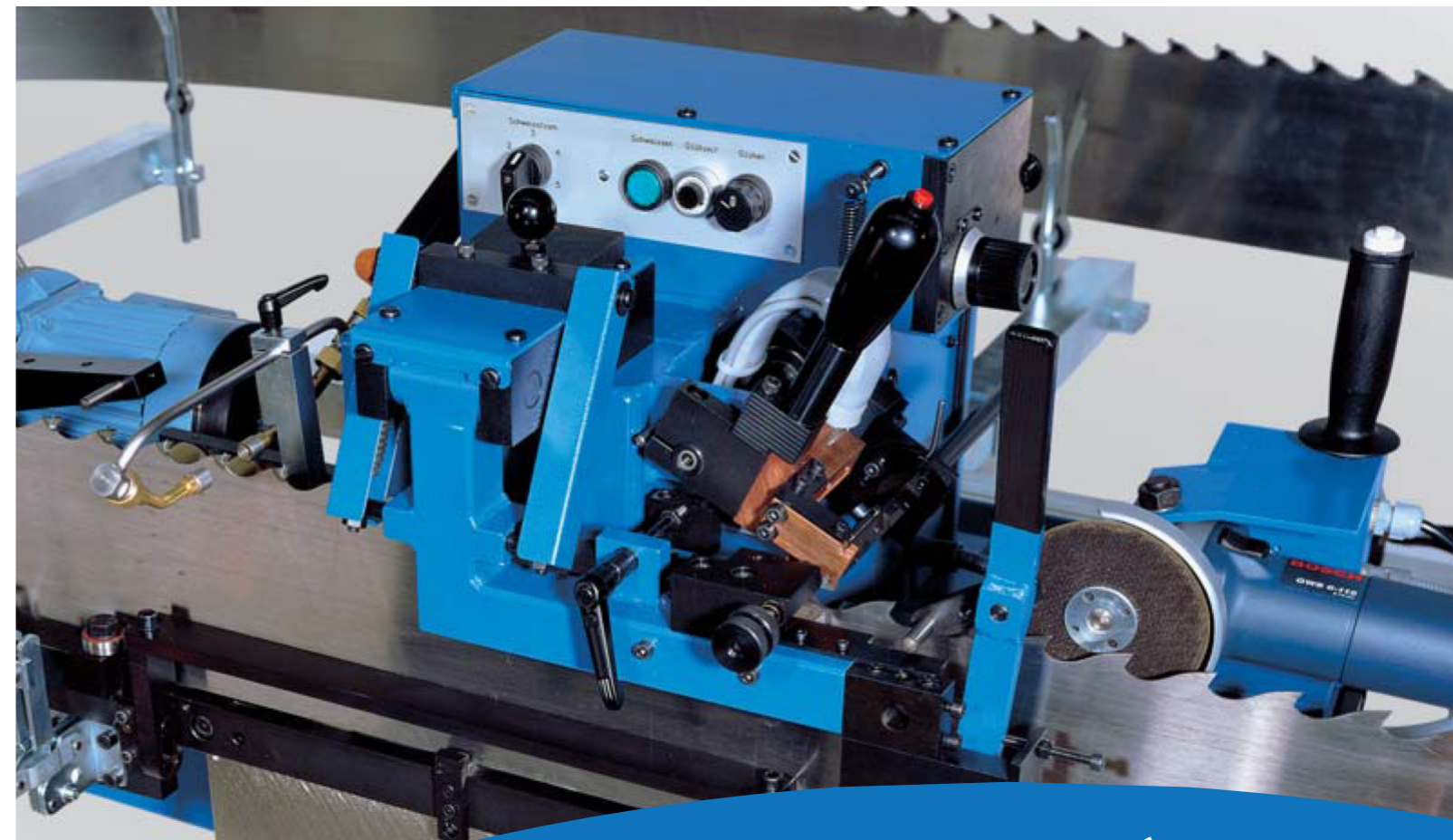
Technologies for gang saws

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.

SAM

Manual stellite tipping machine for band, gang and circular saw blades
well proven method for the most economical tipping system



Specifications

Basic information:

Tooth pitch	13 - 115 mm
Blade thickness	0.8 - 4.0 mm
Tooth height	5 - 40 mm
Front rake angle	10 - 30°
Working speed	approx. 12 t / min

Band saw blades:

Blade width	80 - 300 mm
Blade length	from 5500 mm
Narrow band saws	25 - 80 mm

Circular saw blades:

Circular saw diameter	250 - 1000 mm
Bore diameter	22 - 210 mm

Gang saw blades:

Blade width	80 - 160 mm
Toothed length	unlimited

Power requirements:

Standard Voltage	400V 3Ph N
Connection power	9.6 kVA
Welding transformer	300 A

Shipping information:

Dimension of packing	140 x 120 x 150
Net weight	approx. 315 kg
Gross weight	approx. 350 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



Our well proven welding method

ISEL is tipping your band, gang and circular saw blades by the resistance welding method. This tipping method is proven and tested since decades all over the world.

Besides our proven method the machines impresses by its robust design, the ease of use and durability.

Preformed stellite

Round stellite:	Ø 3,2 / 4,0 / 5,0 / 6,4 / 8,0 mm
Prism stellite:	P 5,0 / P 6,5 mm

The most important features

- Well proven stellite tipping system with excellent reputation
- The stellite is welded on the saw by resistance welding method
- The structural condition of the stellite does not change during welding. Cracks and holes in the stellite are thus avoided.
- The stellite is welded horizontally and the tip size can be adjusted in width.
- The stellite bar is manually advanced and cut off by a cutting wheel after welding
- Pre-shaped (prism) stellite P 5,0 and P 6,5 and round stellite from 3,2 to 8,0 mm dia can be used.
- New tips can be welded directly into existing tips
- No need for elaborate saw preparation and grinding of the saw tip before tipping.
- Easy adjustments allow band, circular and gang saw blades to be tipped on the same machine
- Tipping of the saws is manually executed. Annealing is carried out automatically in a second process.
- The simple construction of the machine eliminates the need of expert operation.
- The central height adjusting device gives hassle free installation of the saw blade.
- The working speed of the machine is up to 12 teeth per minute
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.