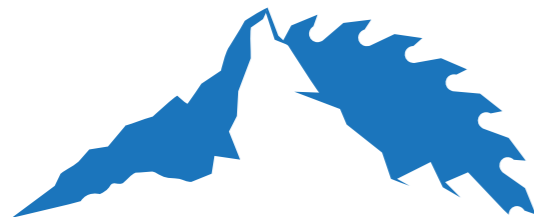


SH1

With common goals together on top

Tool grinding lies at the heart of the economic viability of modern grinding shops and sawmills. Today's 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 the 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 of type GS 4. Optimize your business processes with new services!

With annual innovations and developments ISELI pursues ambitious targets.

SH1

Semi-automatic stellite tipping machine for band, circular and gang saws

No pretreatment of the sawtooth before welding of the stellite tip



Specifications

Basic information:

Blade thickness	0.9 - 3.6 mm
Tooth pitch	25 - 115 mm
Tooth height	at least 6 mm
Rake angle	15-30°
Working speed	about 15 teeth / min

Band saw blades:

Blade width	80 - 300 mm
Blade length	from 5,500 mm

Circular saws:

Outside diameter	250 - 1,000 mm
Bore diameter	22 - 210 mm

Gang saws:

Blade width	60 - 160 mm
Toothing length	up to 1,250 mm

Stellite:

Round stellite	Ø 3.2 / 4.0 / 5.0 / 6.4 mm
Pre-shaped stellite (prism)	P 3.0 / 3.8 / 4.8 / 5.8 mm

Power requirements:

Standard Voltage	400V 3Ph N
Connected load	2 kVA
Angle grinder	480 W

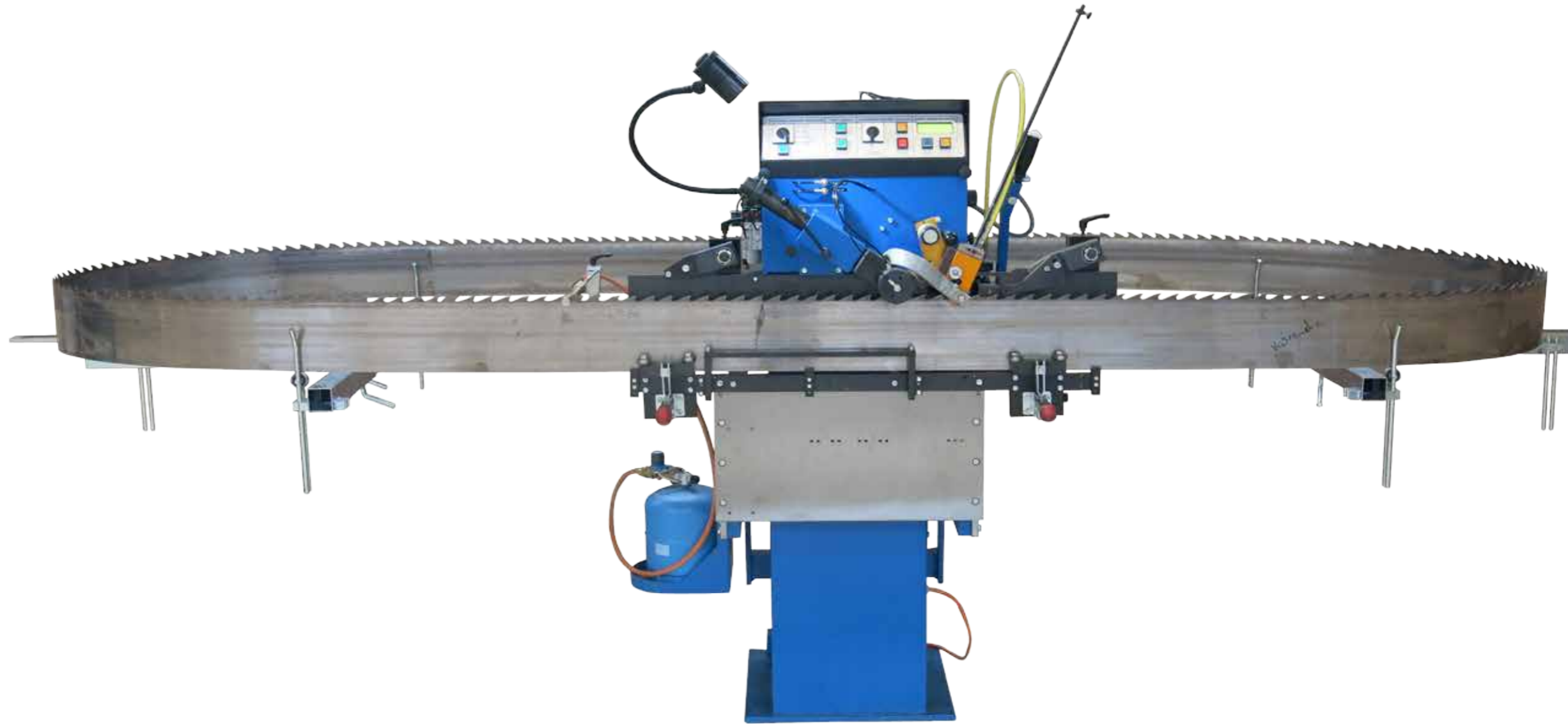
Shipping information:

Dimension of packing	160 x 100 x 160
Shipping Weight (with box)	about 450 kg

Subject to alteration in design for technical advancement.

Special executions on request.

Certificate ISO 9001



Thousandfold proven technology

ISEL tips with stellite your band, gang and circular saw blades by resistance welding. This proven stellite tipping process is used for band, circular and gang saws.

In addition to the sophisticated technology, the SH1 is particularly distinguished by the ease of use and the excellent price-performance ratio.

Stellite

Round stellite:	Ø 3.2 / 4.0 / 5.0 / 6.4 mm
Pre-shaped stellite:	P 3.0 / 3.8 / 4.8 / 5.8 mm

The most important features of the SH1

- **Stellite is welded directly to the sawtooth. Annealing occurs by each step advance.**
- **Up to 15 application operations per minute are possible.**
- Easy operation is ensured thanks to the simple design and construction of the machine. No specialist is required.
- A stellite welding processes thousandfold proven on the market. The stellite is welded with a resistance welding process.
- The microstructure of the stellite is not changed during welding, so no cracks or holes are created in the stellite.
- With simple modifications, the same machine can tip with stellite band, circular and gang saws.
- It is possible to use round or pre-shaped stellite. When using pre-shaped stellite the grinding time is significantly reduced.
- The stellite is welded vertically and can be chosen of any length.
- Pneumatic blade clamping and welding.
- The advance of the sawtooth is performed by a powerful gear motor.
- Most recent control technology with clear layout of the controls.
- The stellite is fed manually from a rod and separated after welding with a cutting disc.
- The use of proven components and units together with the quality monitoring of production processes are the basis for operational safety, optimum results and durability.
- The latest CE-regulations are completely observed. The electrical equipment complies with the IEC-60204-1 standard.