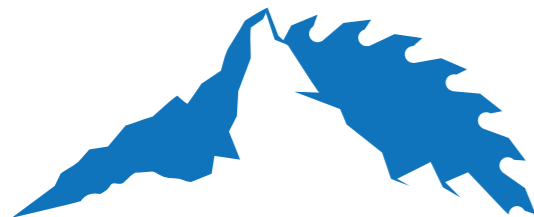


STA

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.



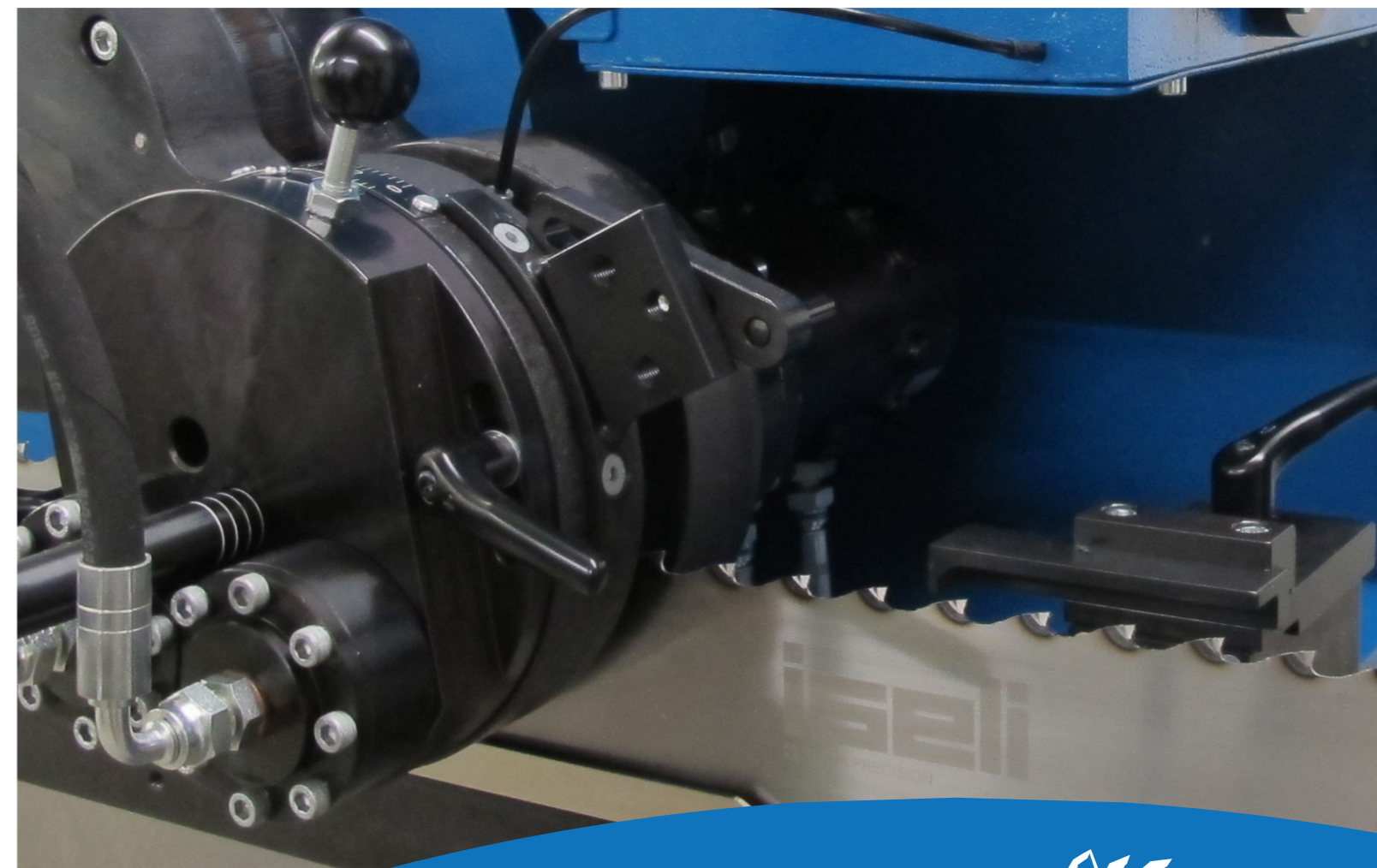
Technologies for gang saws

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.

STA

Fully automatic hydraulic controlled swaging machine for band saw blades
swaging twice - shaping once



Specifications

Basic information:

| | |
|------------------|---------------------|
| Tooth pitch | 18 - 76 mm |
| Tooth height | from 10 mm |
| Clearance angle | 5° - 28° |
| Front rake angle | 5° - 35° |
| Working speed | **approx. 8 t / min |

Band saw blades:

| | |
|------------------------|---------------|
| Blade length | from 5'300 mm |
| Blade width (Standard) | 80 - 360 mm |
| Blade width (Option) | from 50 mm |

Gang saw blades:

| | |
|--------------|----------------|
| Tooth length | up to 1'250 mm |
| Blade width | 80 - 160 mm |

Power requirements:

| | |
|------------------|-----------------|
| Standard Voltage | 400V 3Ph N |
| Connection power | approx. 2.0 kVA |

Air supply:

| | |
|-----------------------|-------|
| Compressed air supply | 6 bar |
|-----------------------|-------|

Shipping information:

| | |
|----------------------|--------------------|
| Dimension of packing | 170 x 125 x 175 cm |
| Net weight | approx. 680 kg |
| Gross weight | approx. 860 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



Easy handling, best precision

The hydraulically controlled swaging and shaping machine for band and gang saw is a great relief in grinding rooms. A centralized height adjustment of the saw blade and feed limit stop for variable tooth pitch is integrated in the basic machine. The robust design of the machine guarantees an extremely long lifetime coupled with high precision and low maintenance.

The machine is very easy to operate: the same tooth can be swaged once or twice and shaped in a single pass. The blade feed is effected by the swage bar so that accurate positioning of the saw tooth is guaranteed.

The die is mounted in bearings on both sides. It can be used on 10 different positions.

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 swaging machine of type STA has a robust steel design. The machine is hydraulically controlled and equipped for band saws.
- Swaging densifies the tooth point of the saw tooth of what results a smoother and more accurate cut of the wood and a higher production.
- The same tooth can be swaged once or twice and shaped in a single pass.
- Suitable to swage and shape band saw blades up to 360 mm of width of all common dimensions (maximum 3.0 mm thickness).
- The use of proven components and aggregates as well as in-process quality control are the base for operational safety, optimum work results and durability.
- The die is mounted in bearings on both sides. It can be used on 10 different positions.
- Easy to operate due to the latest state of technology with a SPS control unit. The control-panel is well arranged and accessible.
- The blade feed is effected by the swage die so that accurate positioning of the saw tooth is guaranteed.
- The clearance- and the rake angle, the width to be shaped and the tooth pitch are easily set according to scales, without changing any machinery parts.
- Integrated centralized height adjustment of the saw blade and feed limit stop for variable tooth pitch.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.