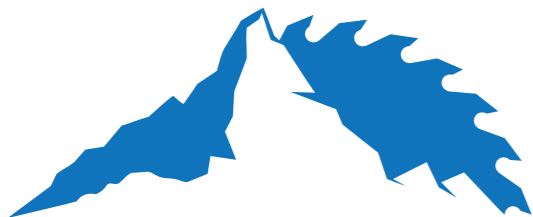


# bs 6

## With common goals together on top

Tool grinding lies at the heart of the economic viability of modern grinding shops and sawmills. 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 slogan „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

Worldwide the 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

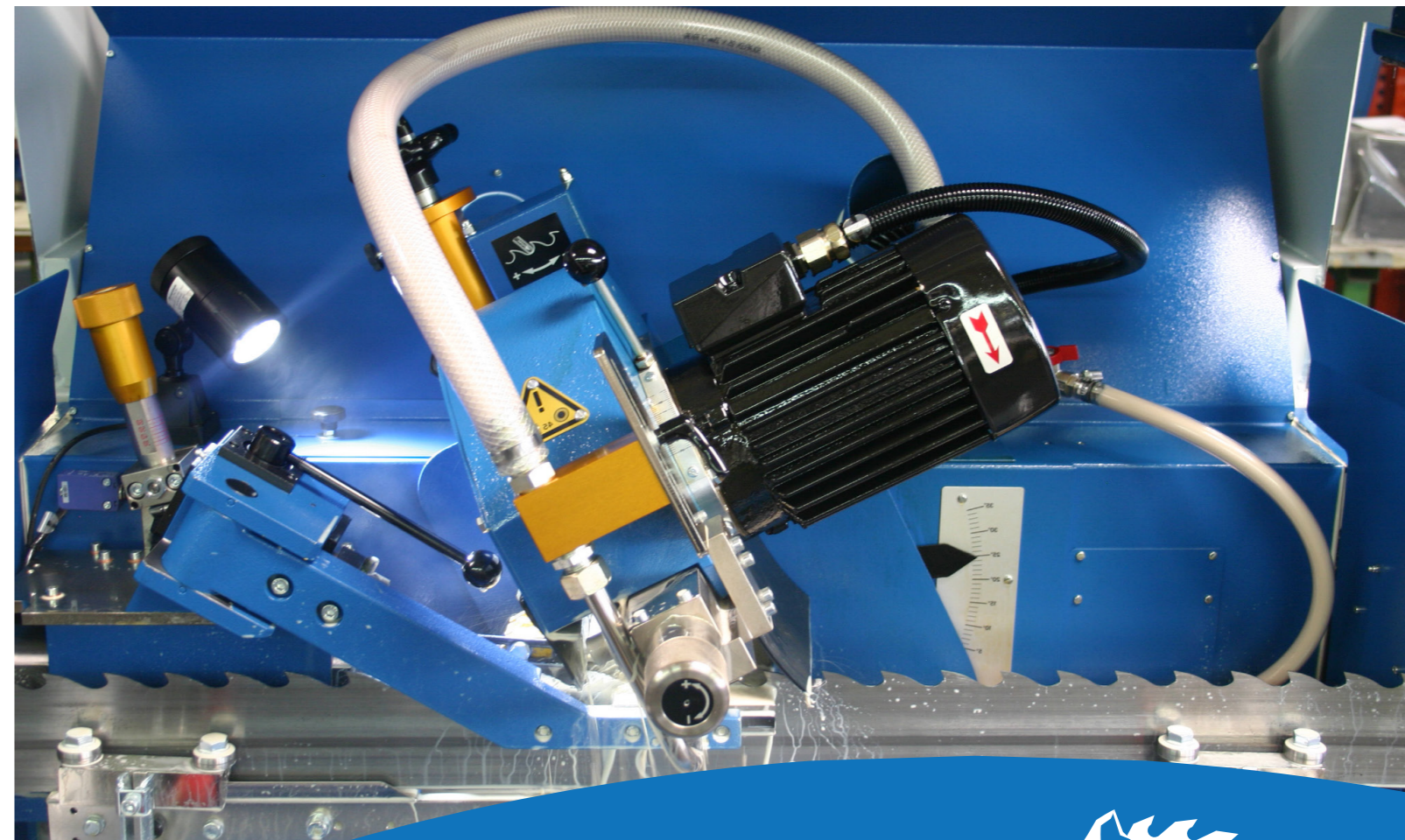
In 2012, ISELI started a new trend with the gang saw machine type GS 4. Optimize your business processes with new services!

With annual innovations and developments ISELI pursues ambitious targets.

# bs 6

Automatic profile sharpening machine with cam control system in wet grinding

the tooth shape cams can be quickly exchanged with just a few simple adjustments





# Specifications

## Basic information:

Tooth pitch	25 - 60 mm
Tooth height	6 - 20 mm
Front rake angle	5 - 35°
Tooth shapes	single shape or a bank of 3 cams

## Grinding wheel:

Outer diameter Corundum	Ø 300 mm
Outer diameter CBN	Ø 250 mm
Bore diameter	Ø 32 mm
Peripheral speed	programmable

## Band saws:

Blade width (Standard)	70 - 360 mm
Blade length (Standard)	from 5600 mm

## Power requirements:

Standard Voltage	400 V 3 Ph. N
Connected load	3.6 kVA
Compressed air supply	6 bar

## Shipping information:

Dimension of packing	240 / 160 / 190
Net weight	approx. 620 kg
Gross weight	approx. 700 kg

Subject to alteration in design for technical advancement.

Special executions on request.

Certificate ISO 9001



## Simple handling, best precision

The cam-controlled machine of type bs 6 sharpens the complete profile of your band saw blades. It can be configured for wet or dry grinding. The machine is robust, functional and is convincing with a high functionality and excellent cost-performance ratio.

The robust design of the bs 6 guarantees an extremely long lifetime coupled with high precision and low maintenance. The 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 band 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 band saw blade grinding machine bs6 has a robust steel design with a fully enclosed protection hood. The robust design guarantees an extremely long lifetime coupled with high precision and low maintenance.
- The cam-controlled machine sharpens the complete profile of your band saw blades. The tooth shape cams can be quickly exchanged with just a few simple adjustments, making it easy to grind different band saw blades. Lever control for 3 different tooth shapes
- 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.
- Mechanism and grinding head guides with tempered shafts and ball bush bearings giving very long life (minimum maintenance and no greasing points).
- 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.
- Operation of the machine by use of a touch screen monitor. Modern, neatly arranged selective programme control and very operator friendly.
- The standard machine is equipped with a large corundum grinding-wheel of 300 mm of diameter. Powerful water cooling system within fully closed protection hood.
- The use of CBN grinding-wheels increases accuracy and secures a constant tooth shape.
- Feed speed regulator with frequency converter, four speeds are programmable when grinding the profile.
- Ask for a reference list and convince yourself with high functionality and excellent cost-performance ratio.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.