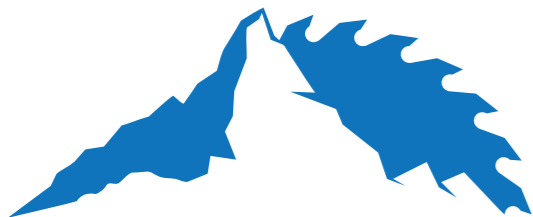


bc 240

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.

bc 240

Machine for automatic profile sharpening of band saw blades controlled with 3 CNC axes in wet grinding equipped with a revolutionary direct driven water-cooled spindle motor and a grinding wheel of 400 mm



Specifications

Basic information:

| | |
|------------------|-------------------|
| Tooth pitch | 10 – 100 mm |
| Tooth height | up to 30 mm |
| Front rake angle | 0 - 35° |
| Working speed | 5 - 30 t / min ** |

Grinding wheel:

| | |
|-------------------------|----------------|
| Outer diameter Bakelite | up to Ø 400 mm |
| Outer diameter CBN | up to Ø 300 mm |
| Bore diameter | Ø 127 mm |
| Peripheral speed | programmable |

Band saw blades:

| | |
|-------------------------|--------------|
| Blade width (Standard) | 75 – 360 mm |
| Blade width (Optional): | 30 – 360 mm |
| Blade length (Standard) | from 5300 mm |
| Blade thickness | 0.6 - 3.0 mm |

New toothing (deep grinding):

| | |
|-----------------|--------------|
| Tooth pitch | 15 - 50 mm |
| Tooth depth | 5 - 30 mm |
| Blade thickness | max. 1.50 mm |

Power requirements:

| | |
|------------------|---------------|
| Standard Voltage | 400 V 3 Ph. N |
| Grinding motor | max 8 kW |
| Connected load | 12 kVA |

Air supply:

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

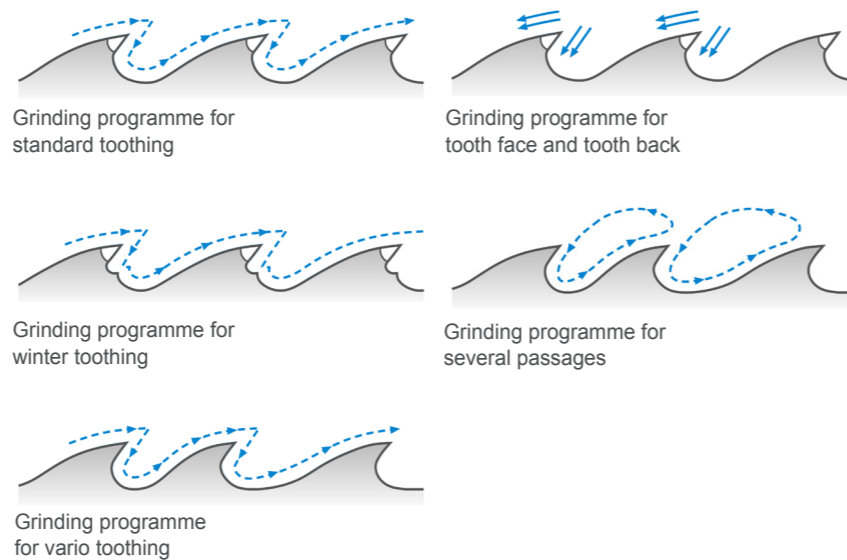
Shipping information:

| | |
|----------------------|--------------------|
| Dimension of packing | 240 / 160 / 200 cm |
| Net weight | 1800 kg |
| Gross weight | 1950 kg |

** je nach Zahnform, Zahnteilung und Vorschubsystem.



Possible grinding programmes



The optional tooth shape management program enables the operator to grind every conceivable tooth. ISELI is providing an outstanding range of solutions and accessories designed using our unique experience and know-how of engineering and software development.

The most important features

- The 3rd axis allows separate sharpening of tooth face and tooth back, improved technology particularly for stellite-tipped and carbide-tipped band saw blades.
- Robust profil grinding machine for swaged, stellite-tipped or carbide-tipped teeth. The machine works with water emulsion. Optional oil cooling system and CO2 fire safety unit.
- CNC-axes and engine room neatly apart from the grinding-room. The optimal accessibility of the maintenance elements and the separation between the machine area and working area make service and maintenance quicker and easier.
- The standard machine is equipped with a large bakelite grinding-wheel of 400 mm diameter.
- Optional dressing device of corundum and bakelite grinding wheels for improved sharpening accuracy.
- All common geometries for metal working are possible to grind.
- The grinding-wheel is driven directly by a revolutionary water-cooled spindie motor (electric load up to 8 KW). High accuracy and performance!
- The grinding-wheel peripheral speed can be adjusted.
- This machine is also highly suitable for grinding thin-cutting and mini gang saw blades.
- New toothing (deep grinding) is possible. ISELI patented process. For new toothing, a cleaning system is recommended.
- The fully closed protection casing provides maximum safety for the operator, reduces noise drastically and makes the environment cleaner.
- Operation of the machine by use of a touch screen monitor. The 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. Special care was taken for an easy and efficient handling.
- The latest CE-regulations are completely observed. The electrical equipment corresponds with IEC-60204-1 standards.