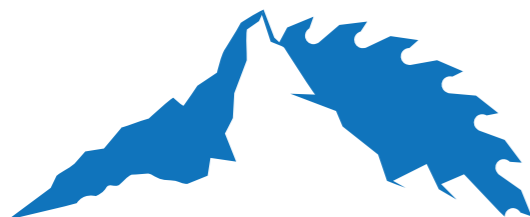


Mecomat 391

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.

Mecomat 391

Automatic levelling machine for band saw blades

for an accurate automatic levelling



Specifications

Basic information:

Blade speed 10 Meter per min

Band saw blades:

Blade width 50 - 300 mm

Blade thickness 0.8 - 2.0 mm

Blade length 5800 - 14000 mm

Power requirements:

Standard Voltage 400V 3Ph 50Hz

Amp. load 6 A

Air supply:

Normal air pressure 2,5 - 3 bar

Compressed air supply 5 bar

Shipping information:

Dimension of packing 200 x 140 x 180

Gross weight approx. 850 kg

Net weight approx. 600 kg

Subject to alteration in design for technical advancement.

Special executions on request.

Certificate ISO 9001



Operating sequences

The timber cut in the sawmill is always associated with precision tools. The machine is robust, functional and is convincing with a high functionality and excellent cost-performance ratio.

Band saw blades "hills and valleys" are detected by the MECOMAT's computerized encoder which immediately signals into action two strategically located upper and lower convex and concave levelling rolls that quickly and accurately level the band saw blade.

The electronic control with digital display can be programmed individually. The band saw blades are in accordance with their leaf thickness and elasticity processed until the results match the desired result or the specified tolerances.

Our innovative grinding solutions prolongs the tool life of your saw blades and boosts the productivity of your grinding room.

The most important features

- The MECOMAT is a heavy duty machine designed to guarantee a vibration-free operation.
- The complete levelling head mechanism is uniquely guided by heavy duty, self lubricated bearings, mounted on twintempered linear shafts. The rigid head mechanism when fully extended maintains an accuracy of .001" while levelling band saw blades.
- The precision measuring unit is firmly mounted on two tempered shafts with precision bearings insuring accurate tolerances.
- A specially designed encoder assures extremely accurate automatic band saw blade levelling.
- Band saw blades "hills and valleys" are detected by the MECOMAT's computerized encoder which immediately signals into action two strategically located upper and lower convex and concave levelling rolls that quickly and accurately level the band saw blade.
- The well arranged operating system allows the MECOMAT to be simply operated. Just input your desired data
 - Tolerance desired and blade length
 - Estimated number of passes needed to level the bandsaw blade and you are ready to start the machine into motion.
- It's all automatic! The larger the "Hill or Valley" the MECOMAT automatically compensates it's levelling roll pressure to do the job.
- The MECOMAT offers individual settings to compensate for band saw blade gauges.
- The uniquely designed electronic system remembers previous blade settings to insure fast future set-ups.
- This rugged, easy to operate, accurate Automatic Band Saw Levelling Machine will quickly pay for itself in your filing room.