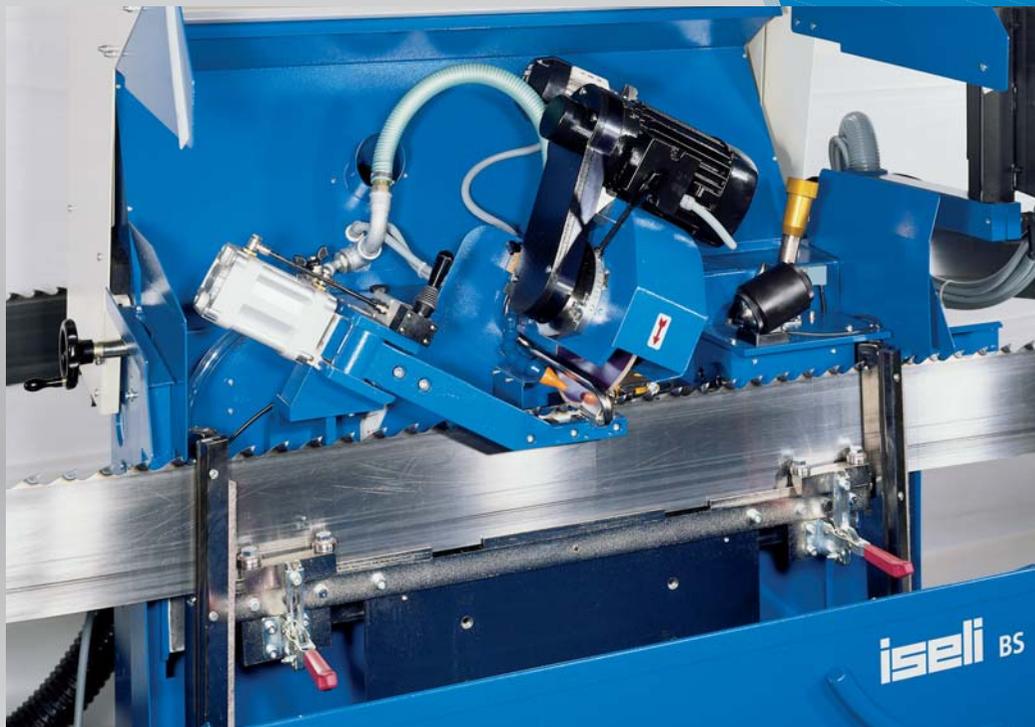


iseli BS 5

Automatic sharpening machine for log band saw blades and band resawing blades.

Option for fully automatic function.



Tooth by tooth for a fine faced tooth giving burr free finish.



Single stand

Specifications BS 5:

- Corundum grinding-wheel
Diameter: 300 mm
Bore diameter: 32 mm
Width: 8/10/12 mm
- CBN grinding-wheel
Diameter: 250 mm
Bore diameter: 25/32 mm
Width: 6/10 mm
- Single tooth shape cam or a bank of 3 cams
- Tooth pitch: 25 to 60 mm
• Tooth height: 6 to 20 mm
• Front rake angle: 5 to 35°
- Blade width: 60 to 360 mm
• Blade length: 5'600 to 14'000 mm
- Feeding speed with frequency converter: 10 to 40 teeth/min
- Peripheral speed of grinding-wheel:
with frequency converter: 35 m/sec.
25 to 60 m/sec.
- Connected load: 3,0 kW approx.
Compressed air supply: 6 bar
- Weight of machine
- without carrousel: 620 kg
- with carrousel: 690 kg
- Height of machine: 170 cm
• Dimension of packing 4m² ca.

Special executions on request.

Subject to alteration in design for technical advancement.

SQS Certificate ISO 9001



Control unit

iseli

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Deciding features

- Our newly developed band saw blade sharpening machine BS 5 with robust steel design is the successor to our proven sharpening machine SBW.
- 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, no greasing points).
- The standard machine is equipped with a large Corundum grinding-wheel of 300 mm of diameter.
- Feed speed regulator with frequency converter, four speeds are programmable when grinding the profile,

e.g. tooth face at one speed, gullet at slower speed, back at higher speed and tip area at a slow speed.

- Modern, neatly arranged selective programme control and very operator friendly.
- Front rake angle adjustable by spindle and well-positioned scale.
- Powerful water cooling system to accept Corundum or CBN grinding-wheels.
- The basic machine is equipped with:
 - pneumatic blade clamping with 2 clamping pressures
 - automatic grinding-wheel feed
 - mist exhaust
 - selector switch for 3 grinding programmes
 - electric adjustment of the blade height

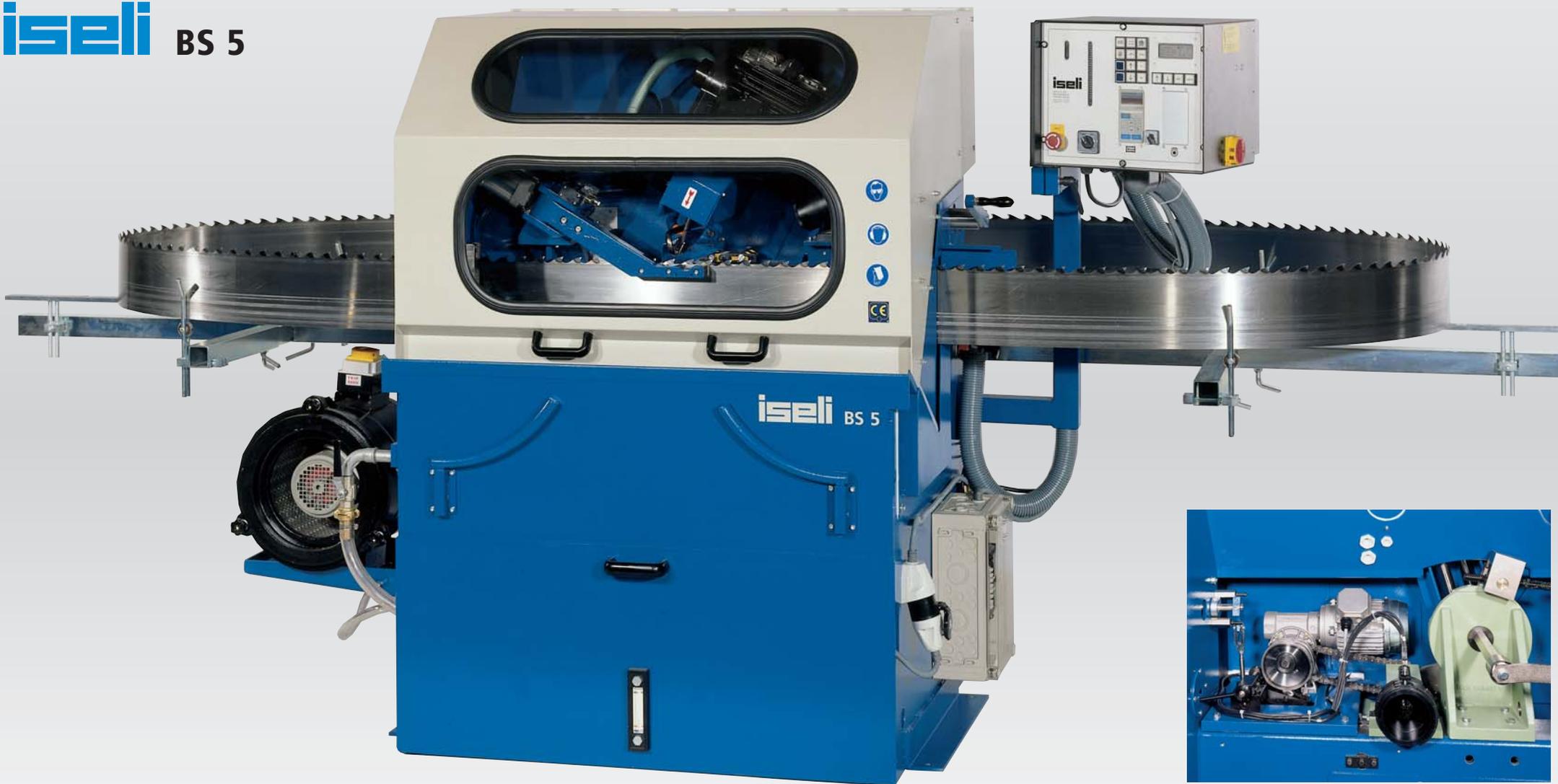
Further qualities

- The tooth shape cam is exchangeable on request. Machine can be supplied for right- or left-running band saw blades.
- The use of well tested components and coupled with rigorous quality control during production secures a troublefree performance and long service life.
- The concept of the machine allows ease of use and is extremely user friendly.
- The fully enclosed protection hood with wet-grinding equipment provides maximum safety for the operator and reduces noise drastically.
- Excellent surface finish when using Corundum grinding wheels as well as CBN grinding wheels for wet grinding.
- Electrical equipment in accordance with IEC 204-1 standards.

Options

- Speed regulator for grinding-wheel by frequency converter from 25 to 60 m/sec.
- Lateral and backward blade supports centrally adjustable in height.
- Single stands with manual or electric height adjustment.
- Additional supports for double-toothed band saw blades.
- Lever control for 3 different tooth shapes.
- Backward feed with cardan shaft.
- Automatic removing of the grinding-wheel from the tooth face at the last run.
- The use of CBN grinding-wheels increases accuracy and secures a constant tooth shape, reduces noise and dust to a minimum.

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Mechanism