

Specifications bc 240:

Carborundum grinding-wheel

- Diameter:	400 mm
- Bore diameter:	127 mm
- Width:	8 / 10 / 12 / 16 mm

CBN Grinding-wheel

- Diameter:	300 mm
- Bore diameter:	127 mm
- Width:	6 / 10 mm

Tooth shapes

- Tooth pitch:	10 to 80 mm
- Tooth height:	up to 40 mm
- Front rake angle:	0 to 35°

Blade width:	60 to 360 mm
Blade length:	from 5'300 mm

Feeding speed continuous:	5 to 30 teeth/mn
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Peripheral speed of grinding-wheel programmable:	30 to 60 m/s
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Constant peripheral speed:	possible
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Connected load grinding-wheel:	8 KW maximum
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Total connected load:	10 KW approx.
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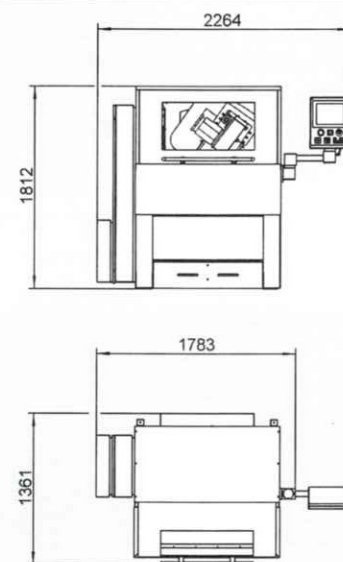
Compressed air supply:	6 bar
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Weight of machine:	1800 kg net
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Height of machine:	180 cm
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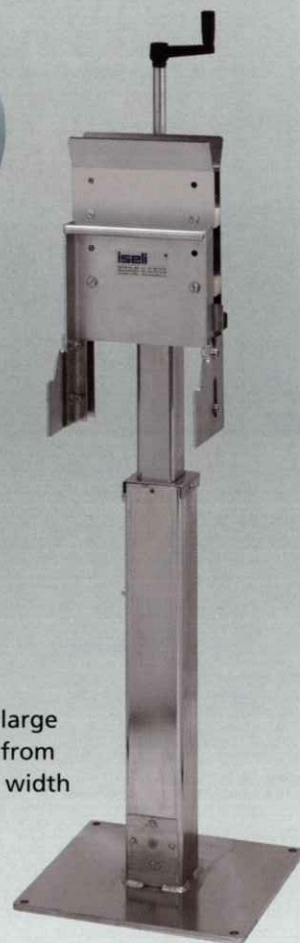
Subject to alteration in design!

 Zertifikat ISO 9001:2000



Dimension of machine

Single stands for large band saw blades from 230 mm of blade width



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iseli bc 240

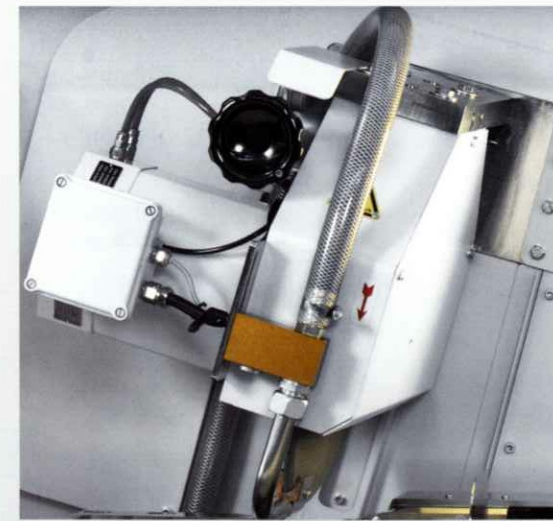
**CNC controlled 3 axes
sharpening machine
for band saw blades**



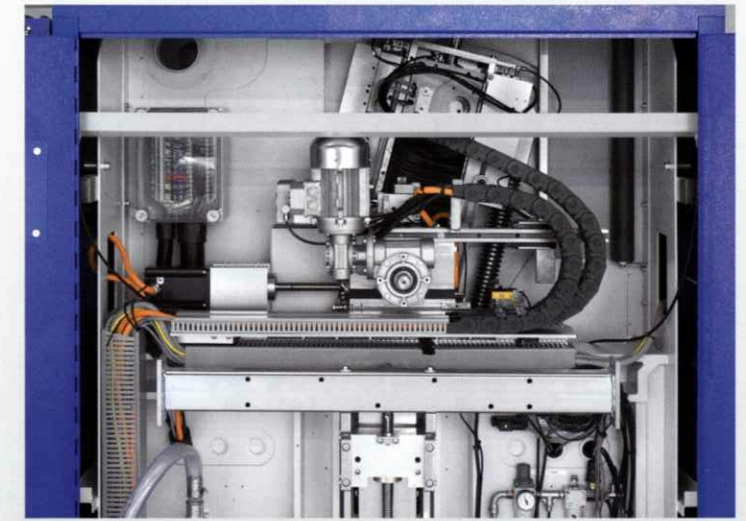
**Tooth by tooth
for a fine faced tooth
giving burr free finish**

iseli bc 240

- The new generation for sharpening of band saw blades with swaged, stellite-tipped or carbide-tipped teeth.
- Today's sawmills and grinding shops are making greater demands on the saw blades. Accordingly, the sharpening machines have to be of a high standard. We offer a CNC technology that allows unlimited tooth shape possibilities for band saw blades.
- The grinding-wheel is driven directly by a revolutionary water-cooled spindle motor (electric load up to 8 KW). High accuracy and performance!
- Grinding-wheel diameter **400 mm** resulting in a long service life and constant wheel shape.
- Possibility of sharpening individually the complete profile or the tooth face and tooth back.
- The 3rd axis allows separate sharpening of tooth face and tooth back, improved technology particularly for stellite-tipped and carbide-tipped band saw blades.
- The tooth height and tooth pitch can be changed and readjusted during grinding process.
- The saw blade is finish-ground by the CNC axes in one or several passes by selectively programmable feed values.
- The operation and programming are executed by touch-screen on the monitor.



Grinding-wheel diameter **400 mm**
Direct drive by water-cooled spindle motor
Electric load 8 KW



CNC-axes and engine room neatly apart from the grinding-room.
User-friendly and long service life.

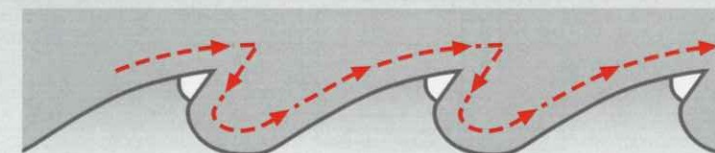
Further qualities

- Extremely low construction height of the machine offering easy loading of the saw blades.
- Pneumatic saw blade clamping.
- Motor adjustment of the blade height.
- Feed finger swings out on return stroke preventing any pull back of the saw blade.
- Special care was taken for an easy and efficient handling.
- Powerful grinding-mist exhaust.
- BC 240 works with water emulsion or with oil. Optional oil cooling system and CO² fire safety unit.
- Excellent surface finish when using CBN grinding-wheels as well as Carborundum grinding-wheels for wet grinding.
- The fully closed protection casing provides maximum safety for the operator, reduces noise drastically and makes the environment cleaner.
- Constant peripheral speed of the grinding-wheel, can be adjusted by frequency converter.

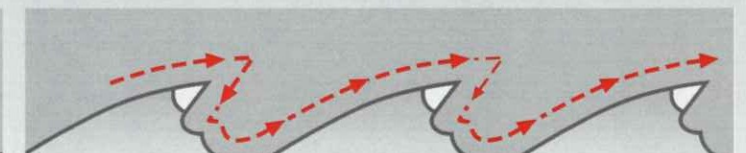


Well-arranged programming and operation of the machine by touch-screen. Programmes can be changed during working process.

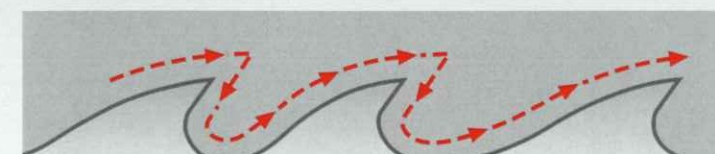
Grinding programmes



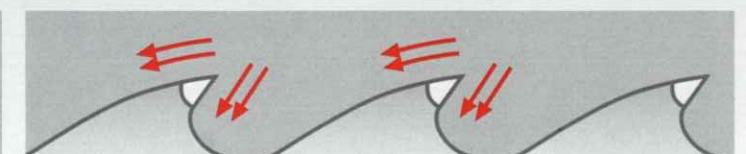
Standard tooth shape



Frost notch



Proportional and normal VARIO toothing



Tooth face and tooth back

