



Saw blade service for DSG frame saw blades.

Machines for optimal
saw servicing!

Economic success with thin-cutting frame saws requires superbly sharpened saw blades. Therefore, the success of your business starts in the sharpening room.

Micro Grinder HT

The inexpensive entry-model for thin-cutting frame saw blades and scraper saws.

Maximum operating efficiency

- Favourable price/performance ratio
- Minimum removal of material thanks to accurate saw blade guidance

Maximum precision

- Precision grinding unit with wet grinding device
- Can be switched over from curved to pointed tooth

Easy operation

- Angle setting with 2 adjustable fixed stops
- Additional cleaning hose with stop cock and tripod support
- Adjustable table height



Technical Data

	Micro Grinder HT
Grinding spindle speed	3700 rpm
Throughput performance	25 teeth/min
Cutting angle	2 to 20°
Clearance angle	0 to 20°
Tooth height	4 to 7 mm (0.15 to 0.28")
Tooth pitch	10 to 25 mm (0.39 to 1")
Saw length	380 to 710 mm (15 to 28")
Blade thickness	0.4 to 3.0 mm (0.016 to 0.12")
Saw height	35 to 45 mm (1.38 to 1.77")



Area with increased tension

Tension Master

Saw roller device for retensioning of thin-cutting saw blades. Saws must be tensioned with great force in order to achieve even cutting quality with thin-cutting saw blades. The introduction of this tensile stress into the saw's tooth area is particularly important as it is there that the cutting forces occur.

Advantages at a glance:

- Optimum tension in tooth area
- Greater cutting accuracy
- Increase in service life of thin-cutting saw blades

Tension Control

Test set-up for checking re-tensioned thin-cutting saw blades.

Micro Grinder NC

The professional NC automatic saw sharpener for all thin-cutting frame saw blades and scraper saws that offers highest grinding quality for industrial use.

Fully automated operation

- Magazine capacity with automatic in- and out-feeding (~100 saw blades)
- 6 – 8 hours of fully automated operation (~1 shift)
- Freely programmable application-specific tooth shapes and pitches
- Cyclically adjustable cleaning of the grinding wheel
- Air blowing unit for drying of saw blades

Maximum precision

- Improvement of service life due to extremely high grinding accuracy and precise geometry
- Minimum removal of material due to automatic height measurement per saw blade
- Precision feed with very short cycle times and down times
- Optimised grinding movement on saw tooth
- Height adjustable saw blade clamping
- High grinding accuracy and surface quality using wet grinding device
- Special grinding wheels for Stellite® and carbide-tipped saw blades

Easy handling

- Comfortable operation using touch-screen display
- Easy loading and unloading of the magazines
- Optimum accessibility of all machine components
- Favourites list for frequently used saws/saw geometries



Technical Data

	Micro Grinder NC
Grinding spindle speed	6000 rpm
Throughput performance	Depending on feed speed set and number of teeth.
Saw length 510 mm (20"); 28 teeth	Approx. 04:00 to 05:00 minutes
Saw length 390 mm (15"); 23 teeth	Approx. 03:20 to 04:00 minutes
Cutting angle	4 to 15°
Clearance angle	8 to 20°
Tooth height	3.5 to 8.6 mm (0.14 to 0.34")
Tooth pitch	10 to 25 mm (0.39 to 1")
Saw length	380 to 710 mm (15 to 28")
Blade thickness	0.4 to 3.8 mm (0.016 to 0.15")
Saw height	35 to 50 mm (1.38 to 2")



Saw blade service for BSB band saw blades.

Machines for optimal saw servicing.

Economic success with thin-cutting band saws requires superbly sharpened band saw blades. Therefore, the success of your business is decided already in the sharpening room.

Micro Grinder HT DSB

The inexpensive entry-model for thin-cutting band saw blades.

Maximum operating efficiency

- Favorable price/performance ratio
- Minimum removal of material thanks to accurate saw blade guidance

Maximum precision

- Precision grinding unit with wet grinding device
- Can be switched over from curved to pointed tooth

Easy operation

- Angle setting with 2 adjustable fixed stops
- Additional cleaning hose with stop cock and tripod support
- Adjustable table height
- Machine lamp
- Adjustable saw blade width
- Adjustable saw blade guiding for all blade lengths



Technical data

Micro Grinder HT DSB	
Grinding spindle speed	3700 rpm
Throughput performance	25 teeth/min
Cutting angle	5 to 25°
Clearance angle	0 to 20°
Tooth height	3 to 15 mm (0.12 to 0.59")
Tooth pitch	10 to 25 mm (0.39 to 1")
Saw length	Up to 6500 mm (256")
Blade thickness	0.4 to 1.0 mm (0.016 to 0.039")
Saw height	50 to 80 mm (2 to 3.15")

Application example: fitting the tooth protection



Micro Grinder VNC

The automatic NC machine can be used to resharpen all band saw blades. The enclosed design makes it ideal for wet grinding.

The generously sized grinding disc together with the powerful cooling ensure optimal grinding results.

Besides offering mechanical perfection, the Micro Grinder VNC is also an absolutely innovative product – ergonomically as well as electrically. The operator enjoys an easy-to-understand machine set-up and a simple handling by a swivel-mounted display for conveniently adjusting the grinding parameters.

The software can be intuitively operated and is therefore easy to learn; it allows the storing of the respective grinding programs. As a result, the machine set-up time when changing the saw type is significantly reduced. Further advantages of the Micro Grinder VNC: The optional exhaust system clears the air from grinding mist and other pollutants.

Great range of applications

- For saw blade widths from 50 to 300 mm (2 to 11.8")
- For all common tooth shapes
- Customized grinding programs

Highest-quality grinding

- Large grinding disc
- Effective blade cooling
- Variable grinding speed

Easy to use

- Grinding program management
- Swivel-mounted display
- Simple tooling-up of saw blades



Technical data

	Micro Grinder VNC
Model	SPS-controlled saw sharpener
Power input	3 kW
Tooth profiles	All common tooth shapes – curved tooth, pointed tooth, PCP tooth
Saw blade thickness	0.6 – 6 mm (0.023 to 0.24")
Pitch	15 – 60 mm (0.59 to 2.4, variable tooth pitch)
Tooth height	0 – 25 mm (0 to 1")
Cutting angle	0 – 40°
Operating speed	Optimally 6 – 10 teeth/min
Grinding discs	Borazon grinding disc, 300 mm (11.8") diameter
Water pump	Up to 300 l/min
Permissible ambient temperature	+ 4 to 38°C
Dimensions without arm (L x W x H)	1400 x 1000 x 1800 mm (55 x 39 x 71")



Fitting the saw blade



Grinding disc, blade cooling

Accessories for band saw blades.

Tooth control

For the checking and repair of bent saw teeth on band saw blades.

The band saw blade is clamped onto the device and fed manually through the measuring gage. If a tooth is out of tolerance, it is repaired manually directly on the bench.

Band saw blades with widths of 50 – 100 mm can be checked and repaired. It takes approx. 3 minutes on average to check a band saw blade. The amount of time it takes to repair depends on the number of bent teeth.

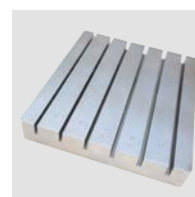


Sharpening accessories.

The competitively priced set for quick-and-easy saw repair.

Each cutting process involves the risk of mechanical influences that may affect the saw blade's efficiency. Loose branches and split wood can bend the saw teeth or dent

the blade body. Fortunately, most of this annoying damage can be easily located and economically repaired using the WINTERSTEIGER sharpening accessories set.



Setting regulator



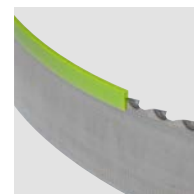
Tooth setter



Setting gauge



Inspection loupe



Tooth protection for new saws



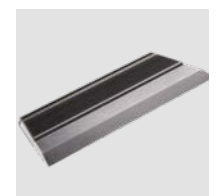
Tooth protection fitting tool



Tooth protection for service



Feeler gauge



Hair ruler

Our service offering: saw blade service for frame and band saw blades.



Saw servicing WI Sägen GmbH

WINTERSTEIGER offers you a top quality saw blade service for both frame and band saw blades. We use CNC wet-grinding machines and automatic and manual benches. The saw blade service is provided at the following sites:

- Austria: WINTERSTEIGER AG, Ried im Innkreis
- Germany: WINTERSTEIGER Sägen GmbH, Arnstadt
- France: SKID-WINTERSTEIGER S.A.S., Contres
- USA: WINTERSTEIGER Inc., Salt Lake City, Utah
- USA: WINTERSTEIGER Sharpening Shop, Spring Hill/Tennessee

Every aspect of the process is supervised and monitored by our specialist staff, so that, we can ensure the saw blades are prepared to the highest quality.

Our range of services includes:

- Saw blade cleaning
- Tooth measurement to ensure they are parallel and aligned
- Sharpening, tensioning, levelling
- Saw blade welding
- Logistics solutions for pick-up and delivery services



Our professional preparation guarantees that your saw blades are in top condition, giving you the perfect tool for your cutting process.

Success begins with the right decisions.
At the right time. We look forward to you!



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Thin-cutting & Repair

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