



WINTERSTEIGER Sägen GmbH

# BAND SAW BLADES

For wood, food, and metal

**WINTERSTEIGER**  
Thinking about tomorrow.



UNIVERSITÄT

# Precise perfection

## Our customised saw blades are designed for maximum quality and efficiency

The saw blades specially developed for individual applications guarantee optimum results in terms of quality and cost-effectiveness, and our innovations are characterised by a comprehensively thought-out, sustainable approach. One outstanding example is our plant in Arnstadt, which houses state-of-the-art machinery on an area of 6,800 square metres. There, 65 skilled workers produce high-quality band & thin-cutting frame saw blades in various widths from 6 to 260 mm. Our customers also benefit from a comprehensive service: with the help of 5 automatic straightening centres and 60 CNC grinding machines, customer bandsaw blades are perfectly aligned and sharpened before they are returned.

### Contents:

Our broad product portfolio	4
Types	7
Joiner saws	8
Narrow band saws	10
Resaw and log band saws	12
Food saws	14
Metal saws	16
Saw production	18
Band saw blade service	22

# Our broad product portfolio

WINTERSTEIGER saw blades are optimized for specific applications and the material to be cut, providing our customers with optimum results cost-effectively and with extremely high quality. From selecting the raw material to the planning, execution, and inspection of the production process and dispatching the finished product, our highly-qualified employees take great care to ensure consistently outstanding quality.

Customer satisfaction is at the core of our quality policy. A strong focus on quality is therefore an integral part of the way we run the business and characterizes all areas of the company.



## Joiner saws

For all types of cutting in the narrow range;  
blade widths of 6 to 50 mm.



## Narrow band saws

For use in the sawmill;  
blade widths of 27 to 55 mm.



## Resaw and log band saws

For use in the sawmill;  
blade widths of 50 to 260 mm.



## Food saws

For use in the food industry, such as cutting fresh meat with bones, frozen meat, fish, and vegetables; blade widths of 16 to 25 mm.



## Metal saws

For a variety of applications that involve cutting metals (tubes, profiles, shafts); blade widths of 6 to 41 mm.

# Availability



**Standard in coil/rm**  
Flexible semi-finished product  
for customised saw bands.



**Endless in finished length**  
Ready-welded for immediate use.

# X-RUN

---

WAY AHEAD OF THE REST



**NEW**

Carbide saw blade – for more durability and efficiency in the sawing process

# Types



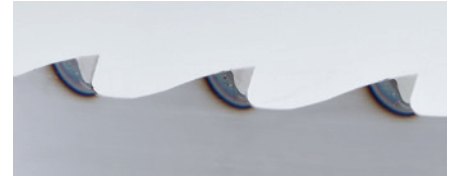
## HM – hard metal

Hard metals are sintered carbide hard metals. Hard metal band saw blades are suitable for extremely hard woods, tropical woods, and wood grown in very sandy soil.



## X-Run

The X-Run band saw blade impresses with its trapezoidal shape and carbide construction. Users benefit from an energy-saving reduction in cutting force, without resharpening, and with a service life of up to 30 hours.



## Stellite®

Stellite® is an alloy of cobalt, chrome, and tungsten. Stellite-tipped saws are particularly well-suited to processing all types of softwoods, hardwoods, and European deciduous woods, and offer a substantially longer service life than bare saws.



## Upset-forged

Upset-forged band saw blades have harder tooth tips as a result of the forging process. This gives the blades a longer service life than band saw blades with teeth that have been set.



## X-Cut

- Tooth tips hardened to 60 – 62 HRC, offset in pairs, sharpened
- Every third tooth is Stellite-tipped
- No resetting necessary
- Maximum performance thanks to minimal cutting pressure



## Bimetall M42

- Strip made from quenched and tempered alloyed steel with optimum continuous operation characteristics
- Used to cut metallic objects



## Flex-Back / tool steel

- Saw blade with hardened tooth tips and flexible blade back
- Toothed, set, and ground
- Tooth tips hardened to 60 - 62 HRC and blade back straightened
- Long service life, even when used with hard materials
- Flexibility and tooth shape counteract the risk of fracture



## Hardened tooth tips

- Toothed, set, and ground
- Tooth tips hardened to 60 – 62 HRC and blade back straightened



## Ready to saw

- Toothed, set, and ground

## Toothed/set

- Semi-finished products for further processing

## Toothed

- Semi-finished products for further processing



# Joiner saws



For all types of cutting in the narrow range; blade widths of 6 to 50 mm.

## Quality

### Select

- German high-grade stainless steel
- 41 to 43 HRC strip steel hardness
- Best price-performance ratio
- From softwoods through to even the hardest types of wood

## Types

Toothed	Toothed/ set	Ready to saw	Hardened tooth tips	Flex-Back
1	2	3	4	5
 NV			 WM	
Setting: left-right			left-right-straight	



# Standard product range

Saws available starting at 500 m/dimension or 100 units endless/dimension.



Blade width	Blade thickness	Types		
		Toothed (NV) Toothed/set (NV) Ready to saw (NV)	Tooth tips Hardened (WM) Pitches [ZpZ] or [TPI]	Flex-Back (WM) Pitches [ZpZ] or [TPI]
6 mm (¼ in)	0,36 mm (0.013 in)		-	6*, 14*
6 mm (¼ in)	0,50 mm (0.019 in)		-	6*
6 mm (¼ in)	0,60 mm (0.023 in)		-	4*, 6*, 14*
8 mm (⅝ in)	0,65 mm (0.025 in)		-	4*, 6*
10 mm (⅜ in)	0,36 mm (0.013 in)		4, 6	4, 6*
10 mm (⅜ in)	0,40 mm (0.015 in)		4, 6	4*, 6*
10 mm (⅜ in)	0,50 mm (0.019 in)		3, 4, 6	3, 4, 6*
10 mm (⅜ in)	0,60 mm (0.023 in)		2, 3, 4, 6	2, 3, 4*, 6*
10 mm (⅜ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3, 4*
12 mm (½ in)	0,50 mm (0.019 in)		3, 4	3, 4*
12 mm (½ in)	0,60 mm (0.023 in)		2, 3, 4	2, 3, 4*
12 mm (½ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3, 4*
16 mm (⅝ in)	0,40 mm (0.015 in)		4	4
16 mm (⅝ in)	0,50 mm (0.019 in)		3, 4	3, 4*
16 mm (⅝ in)	0,60 mm (0.023 in)		3, 4	3*, 4
16 mm (⅝ in)	0,65 mm (0.025 in)		2, 3, 4	2, 3*, 4
16 mm (⅝ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3, 4*
16 mm (⅝ in)	0,80 mm (0.032 in)		2, 3, 4	2*, 3, 4
20 mm (¾ in)	0,40 mm (0.015 in)		4	4*
20 mm (¾ in)	0,50 mm (0.019 in)		3, 4	3*, 4*
20 mm (¾ in)	0,60 mm (0.023 in)		2, 3, 4	2, 3*, 4*
20 mm (¾ in)	0,65 mm (0.025 in)		2, 3, 4	2, 3*, 4*
20 mm (¾ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3, 4*
20 mm (¾ in)	0,40 mm (0.015 in)		4	4*
20 mm (¾ in)	0,50 mm (0.019 in)		3, 4	3, 4
25 mm (1 in)	0,60 mm (0.023 in)		2, 3, 4	2, 3*, 4
25 mm (1 in)	0,65 mm (0.025 in)		2, 3, 4	2*, 3*, 4*
25 mm (1 in)	0,70 mm (0.027 in)		2, 3, 4	2, 3*, 4
25 mm (1 in)	0,80 mm (0.032 in)		2, 3, 4	2*, 3*, 4
25 mm (1 in)	0,90 mm (0.035 in)		2, 3, 4	2*, 3, 4
30 mm (1 ⅜ in)	0,60 mm (0.023 in)		2, 3, 4	2, 3*, 4
30 mm (1 ⅜ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3*, 4
30 mm (1 ⅜ in)	0,80 mm (0.032 in)		2, 3, 4	2, 3*, 4
30 mm (1 ⅜ in)	0,90 mm (0.035 in)		2, 3, 4	2, 3*, 4
32 mm (1 ¼ in)	0,90 mm (0.035 in)		2, 3	2, 3
35 mm (1 ⅝ in)	0,60 mm (0.023 in)		2, 3, 4	2, 3, 4
35 mm (1 ⅝ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3, 4
35 mm (1 ⅝ in)	0,80 mm (0.032 in)		2, 3, 4	2, 3, 4
35 mm (1 ⅝ in)	0,90 mm (0.035 in)		2, 3, 4	2, 3, 4
35 mm (1 ⅝ in)	1,00 mm (0.039 in)		2	2
40 mm (1 ⅞ in)	0,70 mm (0.027 in)		2, 3, 4	2, 3, 4
40 mm (1 ⅞ in)	0,80 mm (0.032 in)		2, 3, 4	2, 3, 4
40 mm (1 ⅞ in)	0,90 mm (0.035 in)		2, 3, 4	2, 3, 4
40 mm (1 ⅞ in)	1,00 mm (0.039 in)		2	2
45 mm (1 ¾ in)	0,80 mm (0.032 in)		2, 3, 4	2, 3, 4
45 mm (1 ¾ in)	0,90 mm (0.035 in)		2, 3, 4	2, 3, 4
50 mm (2 in)	0,80 mm (0.032 in)		2, 3, 4	2, 3, 4
50 mm (2 in)	0,90 mm (0.035 in)		2	2

Pitches of 4 to 14 mm available upon request

Details provided without guarantee. Other blade widths and pitches on request.



# Narrow band saws

For use in the sawmill; blade widths of 27 to 55 mm.

## Quality

### Select

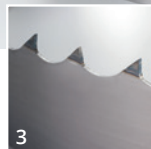
- German high-grade stainless steel
- 41 to 43 HRC strip steel hardness
- Best price-performance ratio
- From softwoods through to even the hardest types of wood

## Types

Toothed	Ready to saw	Hardened tooth tips	Flex-Back	X-Cut	Stellite-tipped	X-Run
1	2	3	4	5	6	7



Setting: left-right-straight



# Standard product range

Saws available starting at 100 mm/dimension or 3 units endless/dimension.



Blade width	Blade width	Pitches	Types						
			Tooth-ed	Ready to saw	Hardened tooth tips	Flex-Back	X-Cut	Stellite-tipped	X-Run
27 mm (1 1/16 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
32 mm (1 1/4 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
32 mm (1 1/4 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	●
32 mm (1 1/4 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	
35 mm (1 3/8 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
35 mm (1 3/8 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	●
35 mm (1 3/8 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	
35 mm (1 3/8 in)	1,27 mm (0.050 in)	22; 22,22 mm	●	●	●	●	●	●	●
38 mm (1 1/2 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	●
38 mm (1 1/2 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	
38 mm (1 1/2 in)	1,27 mm (0.050 in)	22; 22,22 mm	●	●	●	●	●	●	●
40 mm (1 5/8 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
40 mm (1 5/8 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	●
40 mm (1 5/8 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	
40 mm (1 5/8 in)	1,27 mm (0.050 in)	22; 22,22 mm	●	●	●	●	●	●	●
50 mm (2 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
50 mm (2 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	●
50 mm (2 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	
55 mm (2 1/16 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
55 mm (2 1/16 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	●
55 mm (2 1/16 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	
60 mm (2 3/8 in)	0,90 mm (0.035 in)	22; 22,22 mm	●	●	●	●	●	●	●
60 mm (2 3/8 in)	1,00 mm (0.039 in)	22; 22,22 mm	●	●	●	●	●	●	
60 mm (2 3/8 in)	1,10 mm (0.043 in)	22; 22,22 mm	●	●	●	●	●	●	

Details provided without guarantee. Other blade widths and pitches on request.



# Resaw and log band saws

For use in the sawmill; blade widths of 50 to 260 mm.

## Qualities

### Select

- German high-grade stainless steel
- 41 to 43 HRC strip steel hardness
- Best price-performance ratio
- From softwoods through to even the hardest types of wood

### Prime

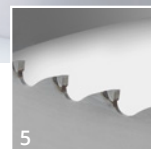
- Uddeholm steel UHB 15
- 44 to 46 HRC strip steel hardness
- Outstanding operating and cutting performance, precision and durability
- For the most demanding wood processing applications, from softwoods through to even the hardest types of wood

## Types

Toothed	Ready to saw	Upset-forged	Stellite-tipped	Hard metal
1	2	3	4	5



All tooth shapes possible for each version.  
Hard metal version available upon request.



# Standard product range

Saws available starting at 100 mm/dimension or 3 units endless/dimension.



Blade width	Blade thickness	Tooth shape	Types				
			Tooth-ed	Ready to saw	Upset-forged*	Stellite-tipped	Hard metal
50 mm (2 in)	0,90 / 1,00 / 1,10 mm (0.035 / 0.039 / 0.043 in)	PCP / PV	●	●	-	●	●
55 mm (2 3/16 in)	0,90 / 1,00 / 1,10 mm (0.035 / 0.039 / 0.043 in)	PCP / PV	●	●	-	●	●
60 mm (2 3/8 in)	0,90 / 1,00 / 1,10 mm (0.035 / 0.039 / 0.043 in)	PCP / PV	●	●	-	●	●
70 mm (2 3/4 in)	0,90 / 1,00 mm (0.035 / 0.039 in)	PCP / PV	●	●	-	●	●
80 mm (3 1/8 in)	0,90 / 1,00 / 1,10 mm (0.035 / 0.039 / 0.043 in)	PCP / PV	●	●	●	●	●
90 mm (3 1/2 in)	0,90 / 1,00 / 1,10 mm (0.035 / 0.039 / 0.043 in)	PCP / PV	●	●	●	●	●
100 mm (4 in)	0,90 / 1,00 / 1,10 / 1,20 mm (0.035 / 0.039 / 0.043 / 0.047 in)	PCP / PV	●	●	●	●	●
100 mm (4 in)	1,10 mm (0.043 in)	PCP / PV	●	●	●	●	●
110 mm (4 3/8 in)	1,00 / 1,10 mm (0.039 / 0.043 in)	PCP / PV	●	●	●	●	-
120 mm (4 3/4 in)	1,00 / 1,10 / 1,20 mm (0.039 / 0.043 / 0.047 in)	PCP / PV	●	-	●	●	-
120 mm (4 3/4 in)	1,20 mm (0.047 in)	PCP / PV	●	-	●	●	-
130 mm (5 1/8 in)	1,20 mm (0.047 in)	PCP / PV	●	-	●	●	-
140 mm (5 1/2 in)	1,20 mm (0.047 in)	PCP / PV	●	-	●	●	-
150 mm (6 in)	1,20 / 1,30 mm (0.047 / 0.051 in)	PCP / PV	●	-	●	●	-
155 mm (6 3/8 in)	1,07 / 1,25 mm (0.043 / 0.049 in)	PCP / PV	●	-	●	●	-
160 mm (6 1/4 in)	1,3 mm (0.051 in)	PCP / PV	●	-	On request	●	-
180 mm (7 1/8 in)	1,25 / 1,47 mm (0.049 / 0.058 in)	PCP / PV	●	-		●	-
206 mm (8 1/8 in)	1,47 / 1,65 mm (0.058 / 0.065 in)	PCP / PV	●	-		●	-
230 mm (9 1/8 in)	1,47 / 1,65 mm (0.058 / 0.065 in)	PCP / PV	●	-		●	-
260 mm (10 1/4 in)	1,47 / 1,65 mm (0.058 / 0.065 in)	PCP / PV	●	-		●	-

Information subject to change. \* Tooth shape only available in the PV version. Pitch upon request.



# Food saws

For use in the food industry, such as cutting fresh meat with bones, frozen meat, fish, and vegetables; blade widths of 16 to 25 mm.

## Qualities

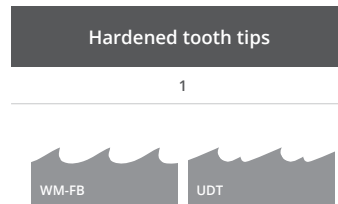
### Select

- German high-grade stainless steel
- 41 to 43 HRC strip steel hardness
- Best price-performance ratio

### Prime Food

- Quality food steel strip
- 44 to 48 HRC strip steel hardness
- Outstanding operating and cutting performance, precision and durability

## Types



# Standard product range

Saws available starting at 500 mm/dimension.



Blade width	Blade thickness	Tooth shape	Tooth pitches [ZpZ] or [TPI]	Hardened tooth tips	
				Select	Prime Food
<b>Meat, fish and vegetables, frozen</b>					
16 mm (5/8 in)	0,50 mm (0.019 in)	WM-FB	3 TPI	●	●
16 mm (5/8 in)	0,56 mm (0.022 in)	WM-FB	3 TPI	●	●
16 mm (5/8 in)	0,60 mm (0.023 in)	WM-FB	3 TPI	●	
16 mm (5/8 in)	0,65 mm (0.025 in)	WM-FB	3 TPI	●	
20 mm (3/4 in)	0,50 mm (0.019 in)	WM-FB	3 TPI	●	
20/19 mm (3/4 in)	0,56 mm (0.022 in)	WM-FB	3 TPI	●	●
20 mm (3/4 in)	0,60 mm (0.023 in)	WM-FB	3 TPI	●	
20 mm (3/4 in)	0,65 mm (0.025 in)	WM-FB	3 TPI	●	
25 mm (1 in)	0,50 mm (0.019 in)	WM-FB	3 TPI	●	
25 mm (1 in)	0,60 mm (0.023 in)	WM-FB	3 TPI	●	
<b>Bone-in fresh meat</b>					
16 mm (5/8 in)	0,50 mm (0.019 in)	WM-FB	4 TPI	●	●
16 mm (5/8 in)	0,56 mm (0.022 in)	WM-FB	4 TPI	●	●
16 mm (5/8 in)	0,60 mm (0.023 in)	WM-FB	4 TPI	●	
16 mm (5/8 in)	0,65 mm (0.025 in)	WM-FB	4 TPI	●	
20 mm (3/4 in)	0,50 mm (0.019 in)	WM-FB	4 TPI	●	
20/19 mm (3/4 in)	0,50 mm (0.019 in)	WM-FB	4 TPI	●	●
20 mm (3/4 in)	0,60 mm (0.023 in)	WM-FB	4 TPI	●	
20 mm (3/4 in)	0,65 mm (0.025 in)	WM-FB	4 TPI	●	
25 mm (1 in)	0,50 mm (0.019 in)	WM-FB	4 TPI	●	
25 mm (1 in)	0,60 mm (0.023 in)	WM-FB	4 TPI	●	
<b>Meat, fish and vegetables, frozen</b>					
16 mm (5/8 in)	0,50 mm (0.019 in)	UDT		●	●
16 mm (5/8 in)	0,56 mm (0.022 in)	UDT		●	●
16 mm (5/8 in)	0,60 mm (0.023 in)	UDT		●	
16 mm (5/8 in)	0,65 mm (0.025 in)	UDT		●	
20/19 mm (3/4 in)	0,50 mm (0.019 in)	UDT		●	
20 mm (3/4 in)	0,56 mm (0.023 in)	UDT		●	●
20 mm (3/4 in)	0,60 mm (0.023 in)	UDT		●	
20 mm (3/4 in)	0,65 mm (0.025 in)				

Information subject to change.



# Metal saws

For a variety of applications that involve cutting metals (tubes, profiles, shafts); blade widths of 6 to 41 mm.

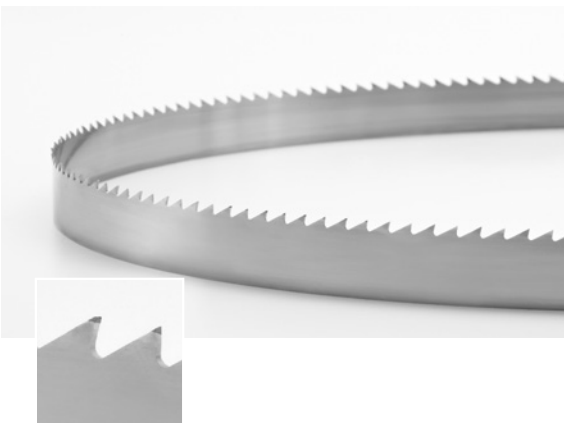
## Qualities

### Bimetall M42

- The saw blade for exacting requirements
- High performance, M42 wearresistant tooth tip cutting material with high cutting accuracy
- Particularly suited to lowvibration sawing

## Types

Bimetall M42



## Standard product range

Saws available starting at 100 mm/dimension or 3 units endless/ dimension.



### Bimetall M42

Blade width	Blade thickness	Tooth pitches [ZpZ or TPI]
13 mm (5/16 in)	0,65 mm (0.026 in)	on request
13 mm (5/16 in)	0,90 mm (0.035 in)	on request
20 mm (3/4 in)	0,90 mm (0.035 in)	on request
27 mm (1 in)	0,90 mm (0.035 in)	on request
34 mm (1 3/8 in)	1,10 mm (0.043 in)	on request
41 mm (1 1/2 in)	1,30 mm (0.050 in)	on request

Information subject to change.



Select oder Prime?

# THE SAW SETS THE TONE!

**Select & Prime saw blades** are specially optimized for their specific application and the material to be cut, providing our customers with optimum results cost-effectively and with extremely high quality.

## Our qualities

### Select

- German high-grade stainless steel
- 41 to 43 HRC strip steel hardness
- Best price-performance ratio
- From softwoods through to even the hardest types of wood

### Prime

- Uddeholm steel UHB 15
- 44 to 46 HRC strip steel hardness
- Outstanding operating and cutting performance, precision and durability
- For the most demanding wood processing applications, from softwoods through to even the hardest types of wood

# A company at the cutting edge of technology

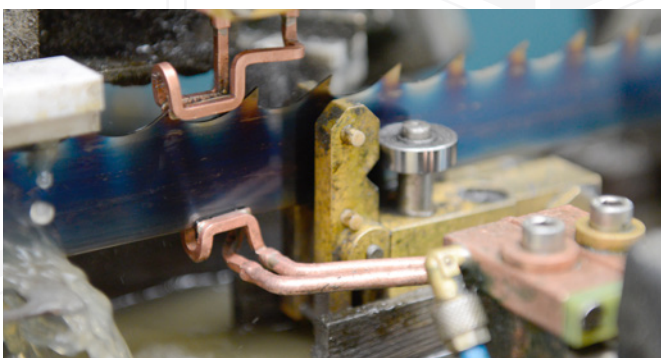
WINTERSTEIGER sees itself as a high-tech enterprise – and with good reason. It is the extraordinary precision, among other things, that makes our saws unique in the world today.



WINTERSTEIGER's high-quality bandsaw blades are the result of more than four decades of consistent development work, and the traditional hand-crafted production of bandsaw blades - tooth by tooth - has been replaced by an industrial production process whose technology is unrivalled worldwide. This long period was characterised throughout by comprehensive and holistic development thinking, which is now concentrated at Wintersteiger. The range of machines and sawing tools from a single source is still a unique selling point for WINTERSTEIGER on the market and offers customers enormous quality advantages.

Saw manufacturing has been part of the global WINTERSTEIGER Group since 2004. The new WINTERSTEIGER Sägen GmbH company premises covering an area of 5000 m<sup>2</sup> were built in 2006 and were extended by 1800 m<sup>2</sup> in 2018. With its state-of-the-art production systems, this site is just one example of the company's exceptional commitment to quality.

The availability, quality, and service life of the tools are also key. Excellent tool preparation gives the company a significant edge over the competition. WINTERSTEIGER provides its customers with peace of mind, as they always have perfectly prepared tools to hand.



Induction hardening



State-of-the-art production facilities covering an area of 7000 m<sup>2</sup>

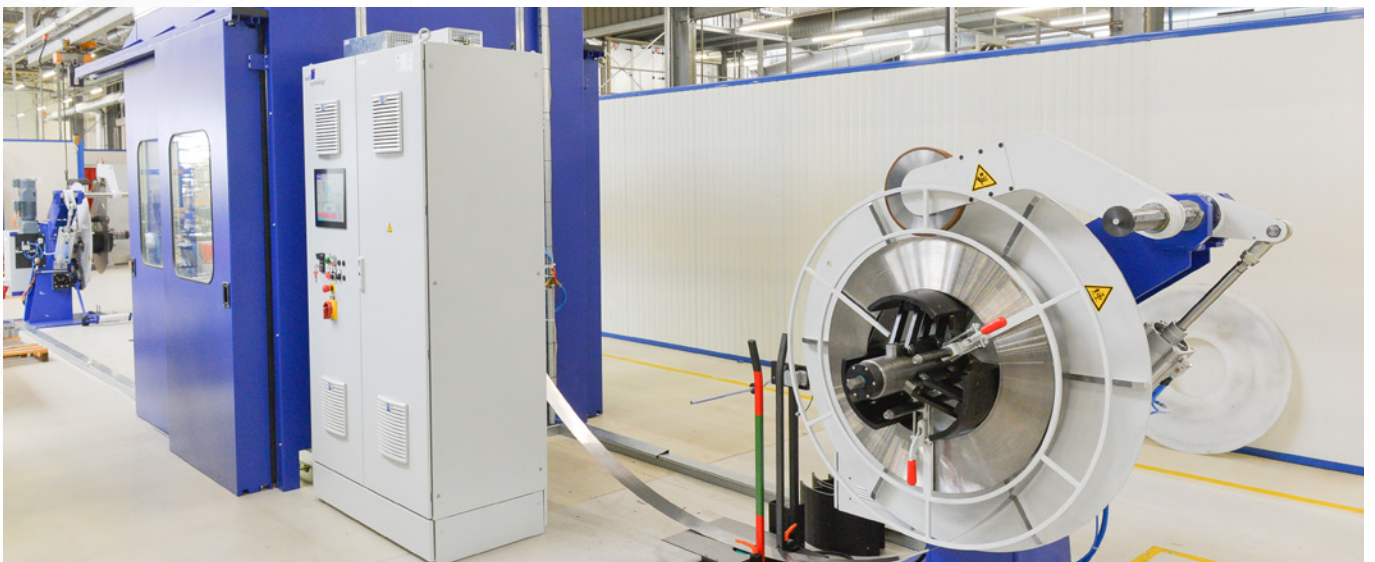


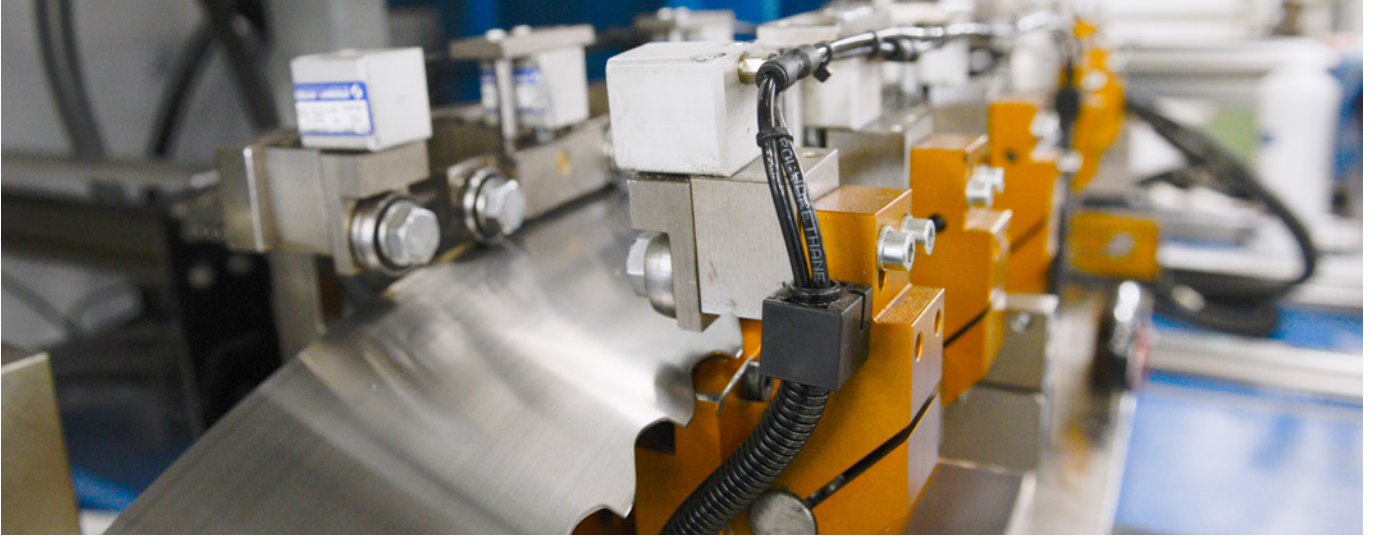
## Raw material

The production quality of the steel strip is crucial for the quality of the band saw blades. The material properties and their tolerances as described by DIN are very broad, making it necessary to add further criteria for quality assessment besides detailed material analysis.

The straightness, flatness, and surface condition of the strip steel, as well as the dimensional accuracy of the thickness, should not differ substantially across large batches of saw blades. Only compliance with all of these criteria enables the production of a saw blade with constant accuracy that is maintained during tooth-cutting, sharpening, and setting.

WINTERSTEIGER band saw blades are manufactured from German high-grade steel that offers an ideal combination of hardness, toughness, and flexibility. State-of-the-art production methods for tooth-cutting, setting, and sharpening ensure outstanding quality, perfect cutting, and a long service life for this saw type.





# Production

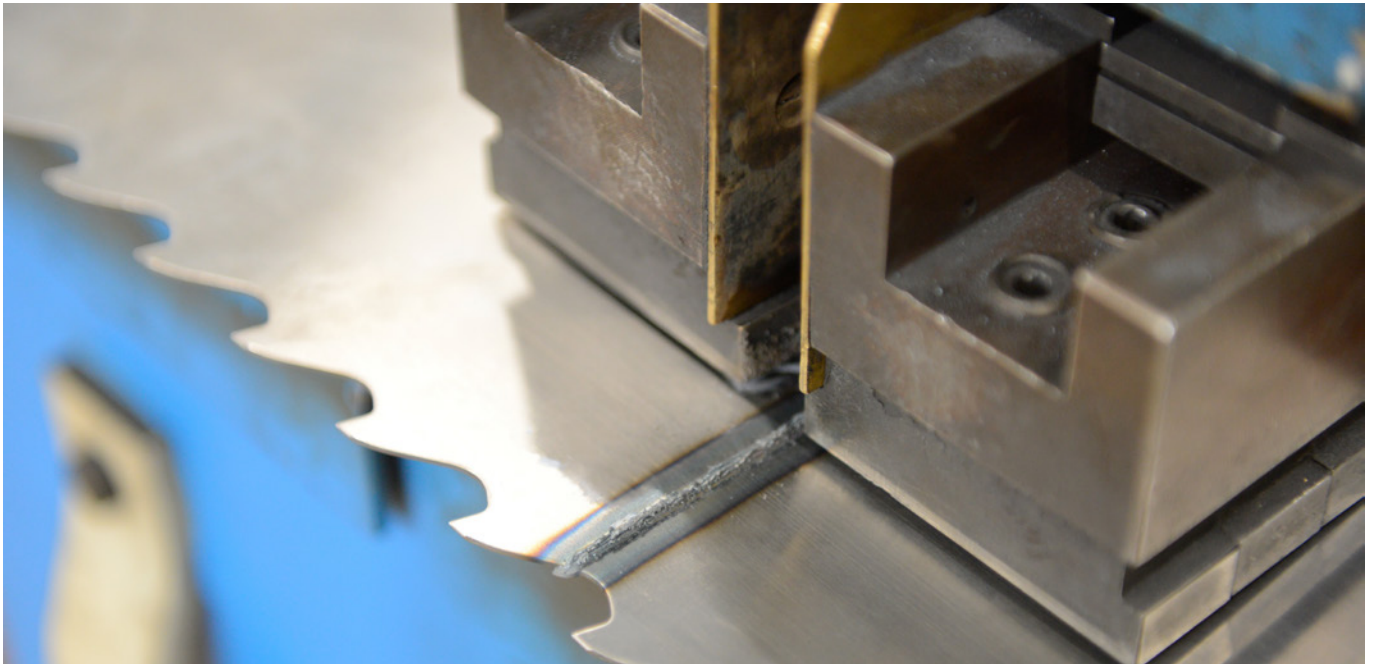
There are two different ways of cutting teeth into strip steel to produce a band saw blade: The most common method is punching. The other alternative – and best in terms of quality – is deep grinding.

We use the latest punching and deep grinding machines in our production processes. When punching, the accuracy of the tooth pitch and tooth shape depends largely on the precision of the feed and on the grind quality of the tooth-cutting tool used. Our highly-qualified staff therefore inspect both of these factors regularly. Using the deep grinding method combines tooth-cutting with the final grinding of the band saw blade. This manufacturing process results in ground and burr-free surfaces.



# Dressing

Several welding machines of different dimensions are used for saw dressing. The quality characteristic common to them all is that they are equipped with temperature-control devices for automatic measurement and control of the tempering temperature. This extremely efficient measure makes it possible to avoid the consequences of incorrect tempering temperatures, such as cracks in the welds. Processes carried out prior to dressing, such as setting or grinding, are carried out by a number of state-of-the-art, fully automated machines.



The setting of several teeth in one step not only has substantial advantages for the feed and thus the efficiency – it also increases the setting accuracy as the resilient force created by setting a tooth is considerably minimized. Almost all of our products – with the exception of just a few special designs – are ground using Borazon grinding machines. Along with automated production, this has the advantage of a tooth ground with high precision and extreme sharpness. As a result, the surface roughness of conventional sharpening processes is reduced to an absolute minimum, the Borazon grinding discs retain their profile throughout a very long production period, and the pressurized cooling fluid prevents overheating during the grinding process. Finally, the finished saw blades are packaged in a secure, protective, and environmentally friendly manner.

# Band saw blade service

For resaw and log band saw blades from a blade length of 4,500 mm and for blade widths from 50 to 260 mm.



At the WINTERSTEIGER Sägen GmbH production site in Arnstadt, Germany, we offer band saw blade servicing using high-quality CNC wet grinding machines and both automated and manual straightening centers. Our specialist staff monitor each individual step of the process. This allows us to ensure that the band saw blades are prepared to the highest level of quality.

## Our service portfolio includes:

- Cleaning the band saw blade
- Ensuring that the teeth are parallel and aligned
- Sharpening, tensioning, straightening
- Upset-forging
- Stelliteizing
- Welding the saw blade
- Logistics solution for pick-up and delivery service



Through the professional preparation of the band saw blades, we guarantee that your blades will be finished to the highest standard, leaving with you the perfect tool for your cutting process.

# The pooled expertise of WINTERSTEIGER.



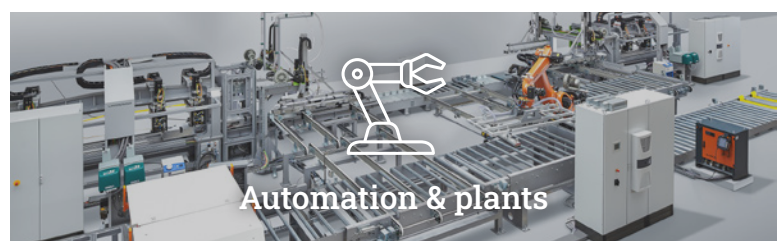
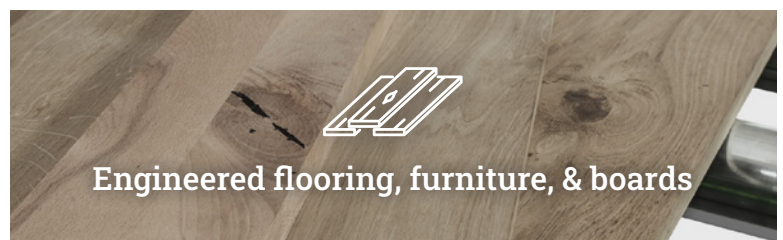
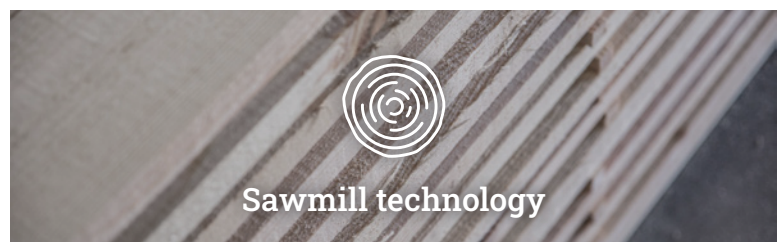
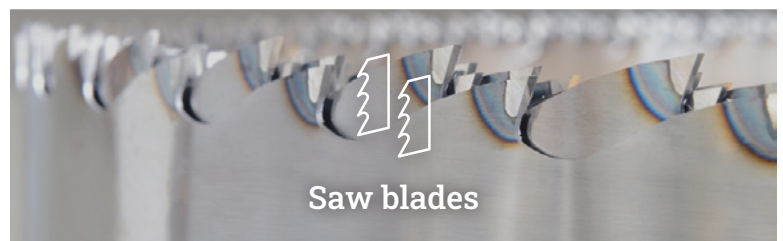
## Division WOODTECH

The company started out in 1970 with the development of the thin-cutting frame saw and has since become the world market leader in precision thin-cutting of wood. We have gradually expanded our portfolio along the value chain of our customers.

Today we offer solutions spanning the entire timber industry – from the saw blade through fully automated woodworking machines to optimizing your production area with customer-specific automation solutions.

**The World of WOODTECH combines five WINTERSTEIGER companies, each of which is a top player in its own right:**

- **WINTERSTEIGER Sägen GmbH** in Arnstadt, Germany, one of the largest and most modern saw blade manufacturers in Europe
- **SERRA Maschinenbau GmbH** in Rimsting, Chiemsee, leading manufacturer of broadband sawmills in Germany
- **WINTERSTEIGER Woodtech GmbH** in Ried, Austria, global market leader in thin-cutting saw machines for engineered flooring, furniture, multi-layer boards, and timber surface repair and cosmetics (TRC)
- **Heermann Maschinenbau GmbH** in Frickenhausen, Germany, is an internationally active company which has specialized in band saw technology and customized cutting systems
- **VAP-WINTERSTEIGER GmbH** in Mettmach, Austria, the automation specialist in engineered flooring, furniture, and multi-layer boards, as well as industrial sawmill technology





**WINTERSTEIGER**  
Thinking about tomorrow.

