

# DSG Notum Pro



**WINTERSTEIGER**  
Thinking about tomorrow.

DSG Notum Pro

# The perfection in entering the high quality thin-cutting process.

The DSG Notum Pro from WINTERSTEIGER is the result of a perfect fusion between decades of experience and the latest technology.

Our objective is: The best technology at the best price for the economic entry into the upper class! The DSG Notum Pro displays its strengths in routine daily use and in its typically efficient manner.

**For example in the production of high-quality lamellas (sawn veneers) for:**

- Engineered floors
- Multi-layer boards
- Doors
- Windows

- Furniture
- Pencil boards
- Musical instruments

If you are looking for customized solutions for non-wood materials, please ask us!



## Your benefits summed up:

### Notum – the experience

- From the inventor of the thin-cutting frame saw
- Precision and performance for all requirements
- Expertise and know-how in use all around the world

### Proven & innovative

- Electronically controlled precision feed
- Centric saw frame tensioning
- 266 mm cutting height
- Advanced frame guide system
- Optimized air-jet system

### User-friendly operation

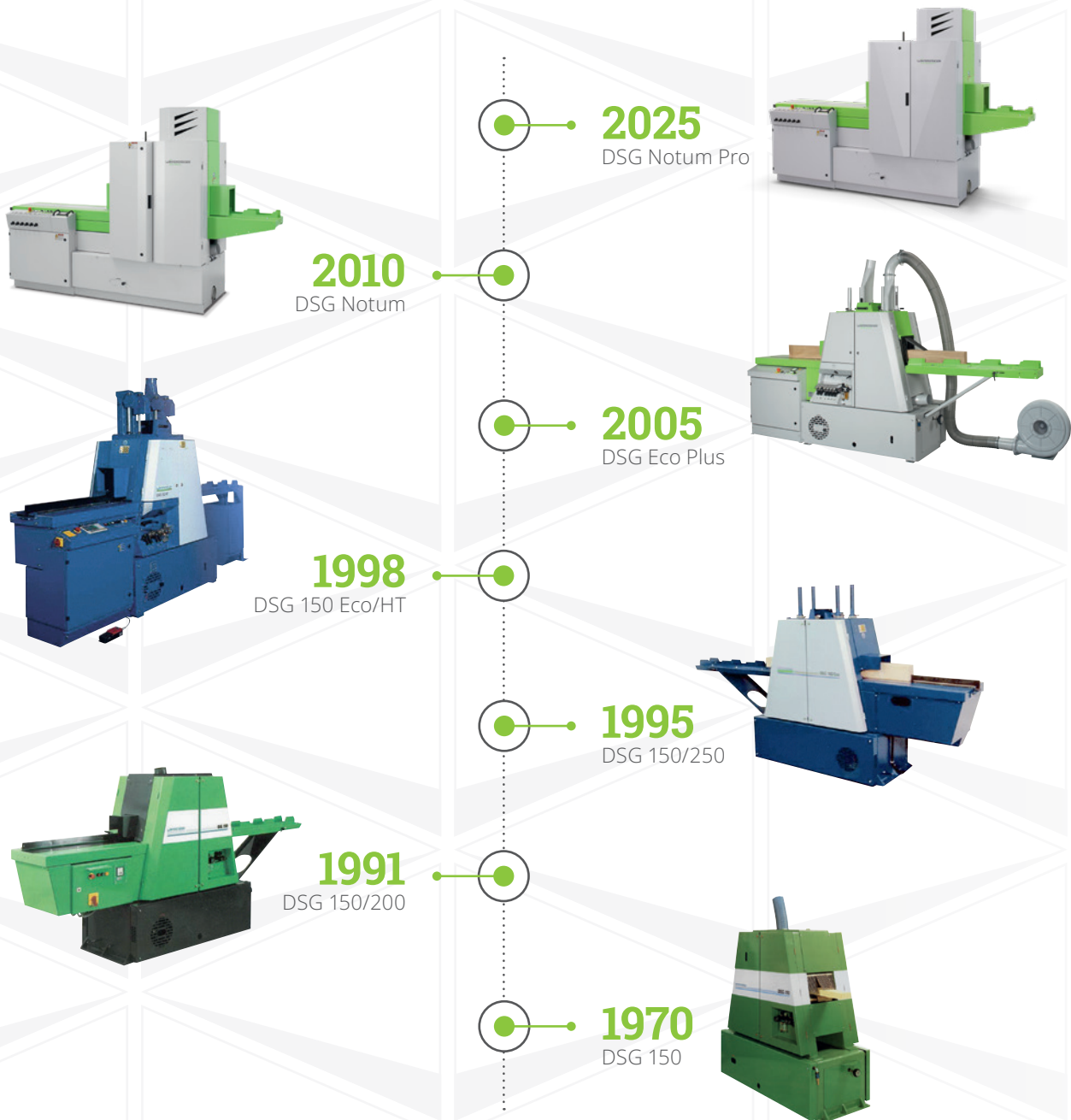
- Optimum accessibility thanks to modular machine design
- Electrically adjustable down pressure system
- Easy operation via touch screen display
- Central control cockpit

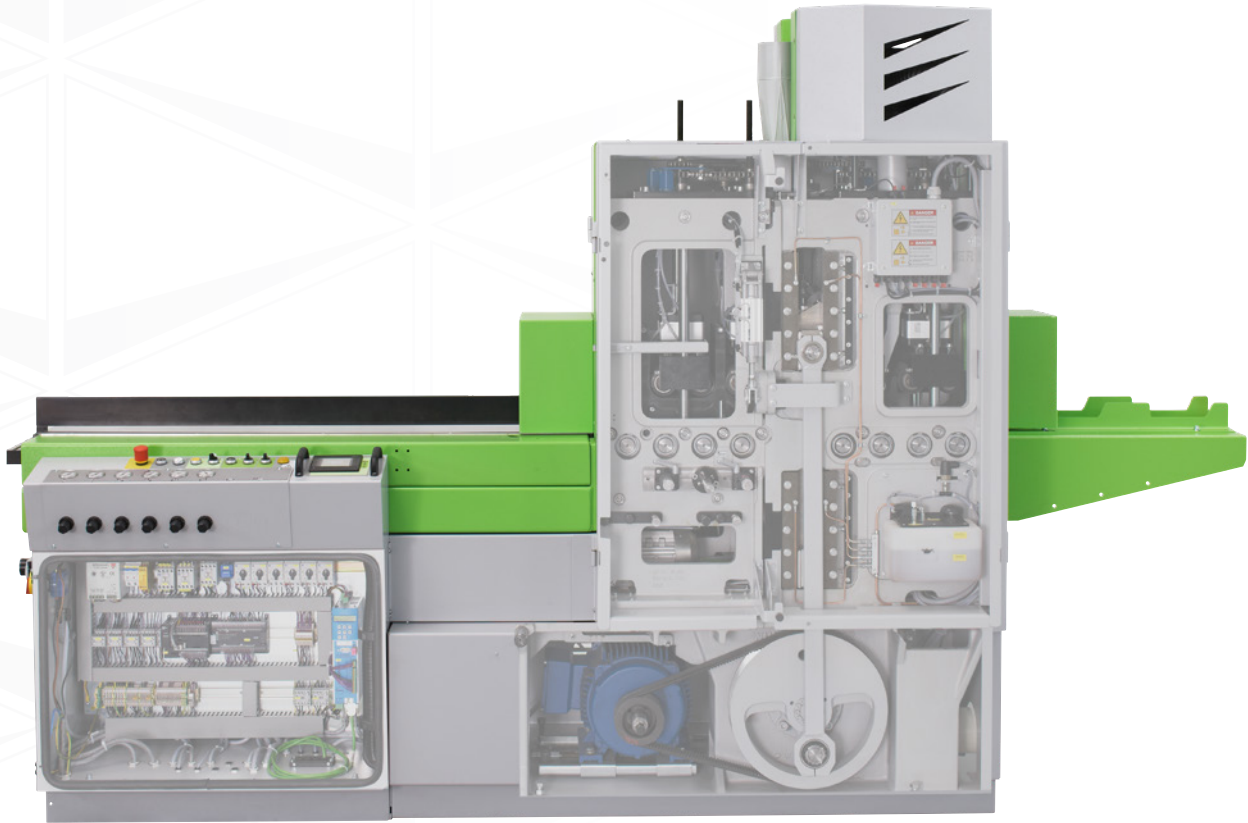
# Notum – The Experience

## From the innovator of the thin-cutting frame saw

The DSG Notum Pro continues the WINTERSTEIGER tradition of combining premium quality with processing that is gentle on resources. A tradition that has its origins in the year 1970, when the predecessor – the DSG 150 – was introduced, before going on to establish itself worldwide. The DSG Notum Pro sees WINTERSTEIGER present the next generation of frame saws – developed with all the experience of the worldwide technology leader. Thanks to maximum precision, a minimal cutting kerf, and a ready-to-glue surface WINTERSTEIGER has held the lead in thin-cutting frame saws for many years. Our comprehensive portfolio of machines and tools developed and produced by WINTERSTEIGER, and service to match, guarantee the long-term performance of every single WINTERSTEIGER machine.

The best technology at the best price for the economic entry into the upper class!



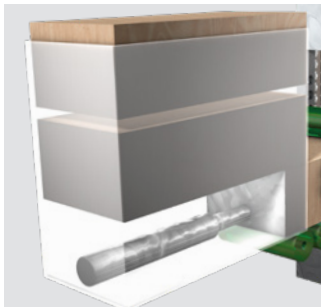


**Competence and know-how in worldwide operations.**

More than 2000 WINTERSTEIGER thin-cutting frame saws are deployed worldwide right now. Every single one of these machines represents for competence and know-how. Now the DSG Notum Pro has stepped in to guarantee another chapter in the continuing success story that WINTERSTEIGER co-writes with our customers.

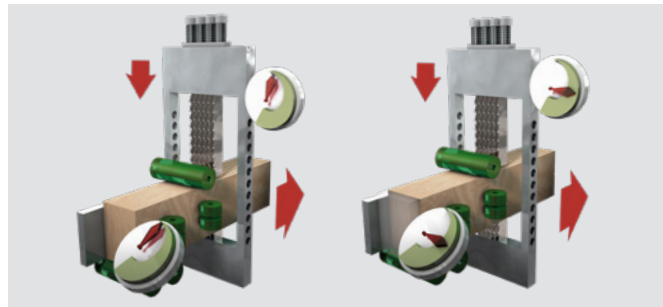


# Product features at a glance.

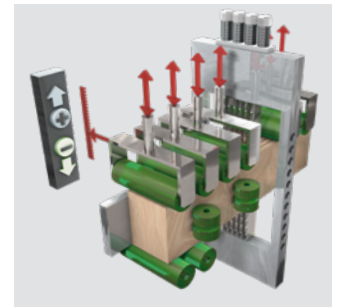


## Magazine

The magazine guarantees continuous feeding of the wooden blocks. It is possible for one person to operate several machines.

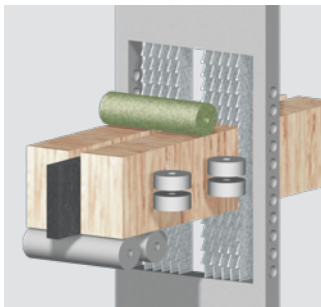


## FU controlled feed system

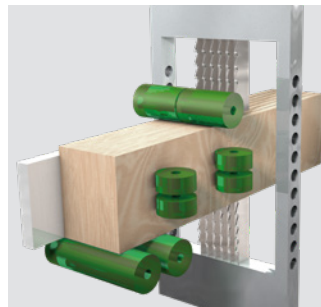


## Electrical down pressure system

The electrically adjustable down pressure system provides optimum operating comfort and minimises set up times.



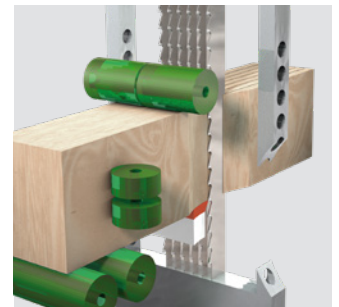
## Center guide



## Side guide

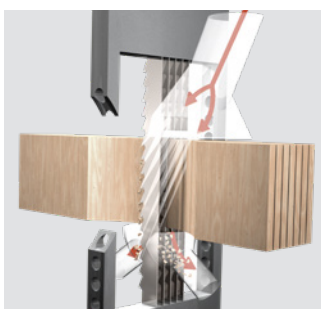


## Channel system



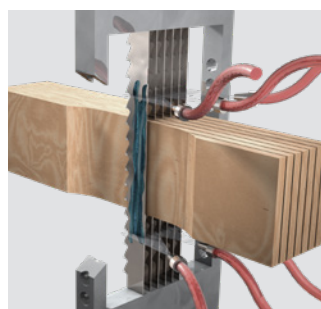
## Splinter guard

The built-in splinter guard ensures optimum stabilisation of the underside of the block on exiting the saws.



## Air Jet

The Air Jet supplies a continuous flow of air directly into the cutting area, cleaning the sawdust out of each saw tooth during the cutting process. This ensures minimum friction and blunting of the saw teeth which means in turn that the saw blades do not heat up. Advantages for the user: longer saw blade lifetimes, a largely dust-free lamella and the ability to cut difficult wood species containing silica or other irregular grown contents.



## Spraying system

Spraying on a biological anti-stick agent prevents resinous sawdust from sticking to the saw blade. The spray-ing intervals can be set individually depending on the type of wood and the customer's requirements.



## Wet cutting system

In addition to the air jet and the spray-ing system, it is possible to remove the fresh heavy sawdust on the lower underside of the saw frame with compressed air.



## Double planer

The newly developed double planer is impressively accessible due to the unilateral bearing arrangement of all the components, its compact design and ease of tool change.

## Advantages for the use:

Accurate joining edge for gluing, no transport marks on the top side of the lamellas, perfect parallelism of the lamellas.

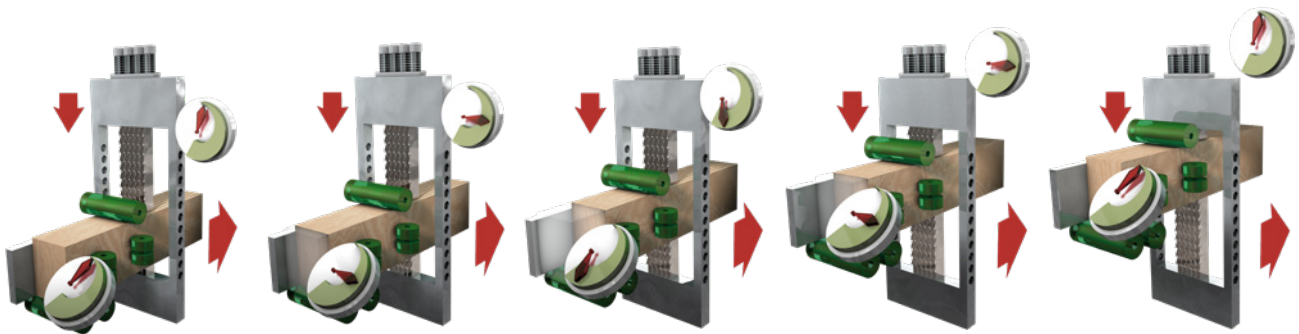
# How does one exceed high expectations?

By being able to offer benefits in large-scale production

Every investment must be well considered. Economic criteria are the deciding factors. Even the basic version of the DSG Notum Pro incorporates an incredible variety of product features as standard. They will guarantee you a high level of satisfaction and continuous output.

## FU controlled feed system.

An electronically controlled servo feed in the machine's infeed and outfeed drives the feed rollers. Thus a precise amount of material is removed per each saw tooth. And at any point in the saw frame stroke. The results are a long lifetime of the saws and smooth surfaces in combination with best-of-class precision.



## Central saw frame tensioning

The symmetrically constructed saw frame guarantees continuously even tension on the saw blades. This improves cutting accuracy and increases the lifetime of the saw blades. The re-engineered design removes the need for time-consuming dismantling. Additional benefits: Individual saws can be quickly and ergonomically replaced.

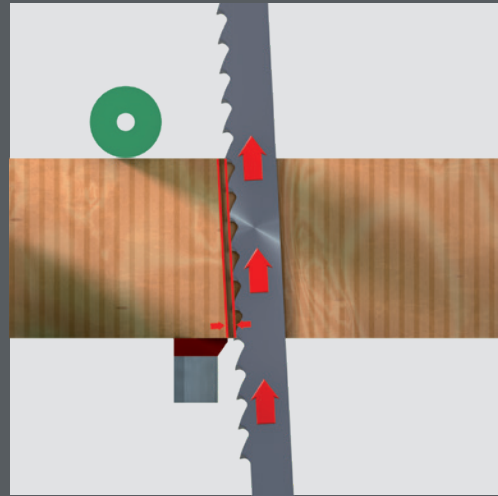


# Highlights

## Continuous relief

The perfect interaction between the feed movement and the reciprocating movement in conjunction with the saw blade overhang assures a constant free-cut of the saw blade during the upward stroke.

The results: Optimum performance is achieved in combination with the WINTERSTEIGER Air Jet system.



## Cutting height 266 mm

WINTERSTEIGER also underlines its commitment to fulfilling customer needs with a cutting height standardization of 266 mm (10½").

Thanks to this, the basic machine is capable of cutting lamellae for the production of extra wide multilayer parquet, door elements and panels with familiar WINTERSTEIGER precision and a cutting kerf of as little as 1.1 mm.



## Reciprocation system in perfection

To perfect the frame saw principle of freely sliding guides, an approach that has proved its value for decades, completely new engineering was introduced for the core element behind the lifting stroke.

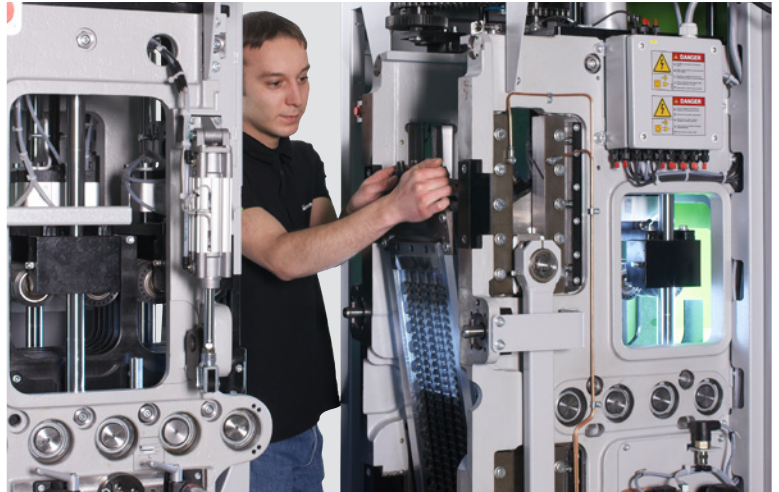
A structurally reinforced design and the maintenance-friendly implementation of the gang frame boosts machine availability while at the same time addressing extended cutting height requirements.



## Optimum accessibility

The innovative design and construction ensures optimum accessibility of all machine components. This gives you a good idea of what an ergonomic saw frame change looks like on the open machine. On top of this, the minimum time required for setting up, tool changing and maintenance boosts the machine's availability.

Tolerance-free linear guidance ensures precise movements. A rock-solid locking system guarantees the longterm stability of the machine.



## Easy operation

The compact, well laid-out touchscreen display can be used to set values, change parameters, and display maintenance instructions and data.



## Central operation-cockpit

All controls are actuated via the centrally located touch-screen display, at the operating switch and at the pressure governor. This removes the need for mechanical setup work.

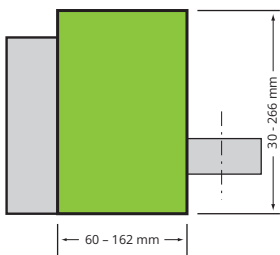
The operation-cockpit is oscillation-uncoupled. All pneumatic and electronic parts are thus protected against structure-borne oscillation. Your benefits: a longer working life and improved availability of all controls.



# Individual block guiding system

Special applications require individual solutions.  
For this WINTERSTEIGER offers individually tailored block guiding systems:

## Side and center guide

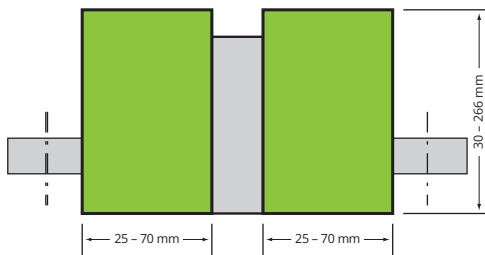


In the side guide position, the block is guided along the laterally positioned fence by means of pneumatically controlled pressure rolls.

Block width: 60 – 162 mm

Block height: 30 – 266 mm

## Center guide

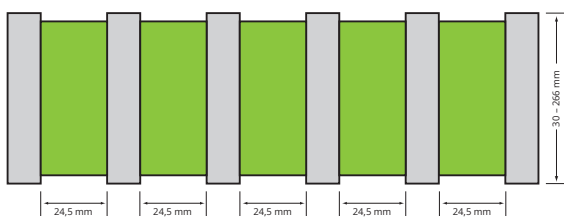


In the center guide position, two blocks are guided on the left and right hand sides along the centrally positioned fence by means of pneumatically controlled pressure rolls.

Block width: 2 x 25 – 70 mm

Block height: 30 – 266 mm

## Channel system



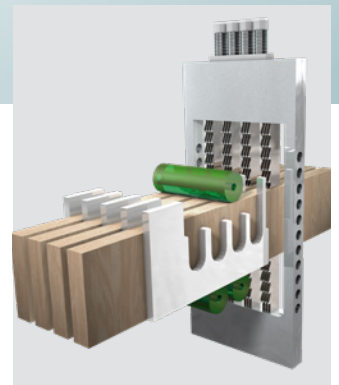
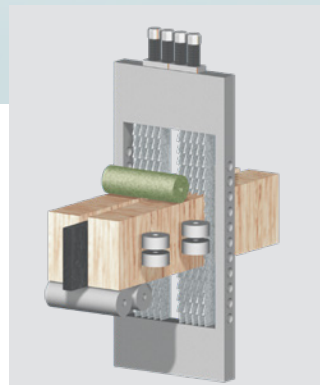
An easily retrofitted system for simultaneous feeding of several blocks.  
**Channel design: To customer's requirements**

Number of channels: 2 – 5 channels

Block height: 30 – 266 mm



- No jamming of blocks due to the tapered construction of the block inlet (even pre-planed goods generate stresses!)
- Specially machined guide rails guarantee accurate linear guidance of the blocks immediately before the saw begins to cut



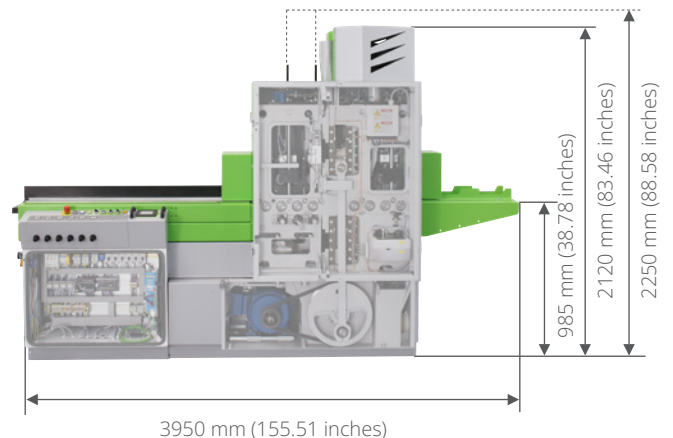
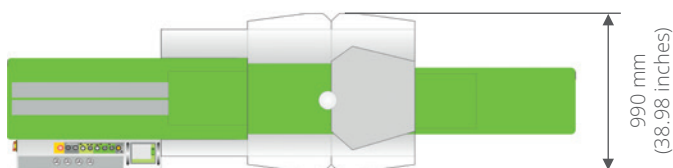
# Technical data

Dimensions (W x H x D)	3950 x 2250 x 990 mm (155.51 x 88.58 x 38.98 inches)
Machine transport height	2120 mm (83.46 inches)
Weight	2200 kg (4850 lbs), 2800 kg (6173 lbs) (incl. double planer)
Main drive	15 kW
Connection voltage*1	400-415V / 50 Hz
Stroke of frame	210 mm
Number of strokes	450 Hübe/min
Number of saw blades	max. 35
Magazine	Block length up to 3370 mm
Side guide	Yes
Center guide	Yes
Channel system	Yes
Spraying system	Yes
Wet cutting system	Yes
Air Jet	Yes
Double planer	Yes
Cutting width side guide	Bis 162 mm
Cutting width center guide	2 x 25 bis 75 mm
Number of channels (block width variable)	2 bis 5 Kanäle
Block height min. / max.	30 mm / 266 mm
Block length min.	300 mm
Block height difference/Channel system	+/- 0,5 mm
Block height difference / Centre guide	+/- 0,5 mm
Lamella thickness min.*2	1,5 mm
Cutting precision*2	Bis 120 mm Schnitthöhe ca. +/- 0,1 mm Über 120 mm Schnitthöhe ca. +/- 0,2 mm
Cutting kerf	Ab 0,8 mm
Feed speed*2	0,1 bis 1,7 m/min

\*1 Further optional versions available for worldwide network requirements

\*2 Depending on type of wood and block dimensions

We reserve the right to make technical modifications.





# After-sales service

## When the delivery ends the support begins

The best time to evaluate the quality of an investment is several years after delivery. For this reason, WINTERSTEIGER has an after-sales service that is available to you all over the world.

### **Installation and training.**

WINTERSTEIGER ensures both with its experts world-wide and of course on site.

### **Support.**

We provide continuous support to quickly optimize the profitability of the machine for our customers.

### **Proactive maintenance.**

Maintenance and preventive active replacement of pre-defined wear parts at firmly defined times (e.g. during company holidays) which also helps to keep maintenance and repair costs to a minimum.

### **Contracts for consumables and saw blades.**

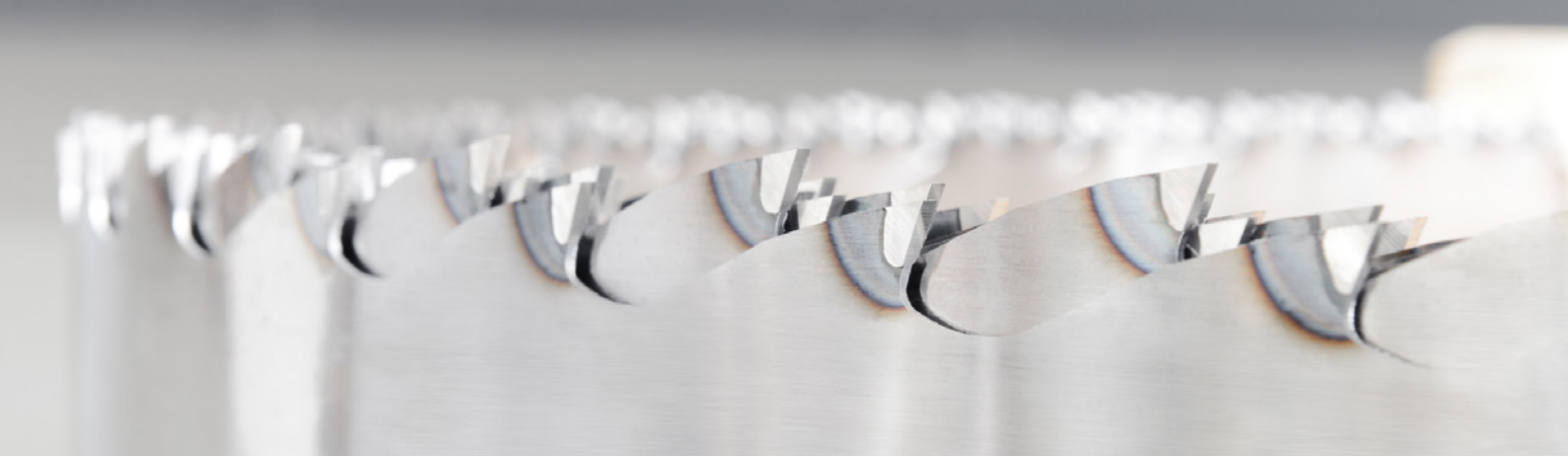
These agreements enable us to plan our annual requirements in advance and save costs which of course we pass on immediately to our customers.

### **Other benefits:**

- Just-in-time delivery of saw blades
- Availability at short notice
- Warehousing of saw blades by WINTERSTEIGER

### **Helpdesk on call service.**

This service underlines our high level, global service commitment to our partners and ensures first-class support even outside our normal business hours.



# Saw blades

Developed and produced by  
Wintersteiger itself



Customers with exacting requirements require individual tools. WINTERSTEIGER supplies the best material, optimum saw blade dimensions, and tooth geometries in line with requirements.

WINTERSTEIGER is able to supply the perfect blade for frame or band saws, meeting all customer needs. The extremely thin kerf, along with the highest possible precision, is the ideal basis for manufacturing high-quality products and is providing additional earning opportunities for each customer. For WINTERSTEIGER, shortest delivery times with greatest possible flexibility go without saying.

Thin-cutting systems and band saws from WINTERSTEIGER are impressive!

## OPTIMUM SOLUTION

- 30 years of know-how with all types of wood
- References from all over the world
- Broad product range with different base materials, tooth pitches and kerfs
- Customer-oriented saw development
- Optimum wood yield using appropriate tools

## MAXIMUM COST-EFFECTIVENESS

- Immediate further processing of the lamella without subsequent calibration
- Kerf from 0.7 mm
- Clean lamella surface
- Maximum lamella precision
- Efficient use of material thanks to constantly perfect kerf

## RELIABLE PARTNER

- Top quality servicing of machines, tools and saws
- Customized systems for your success
- Consistently high quality and ability to supply
- High level of customer satisfaction

# The pooled timber expertise of WINTERSTEIGER



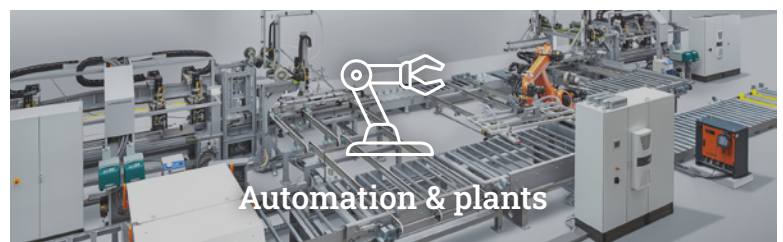
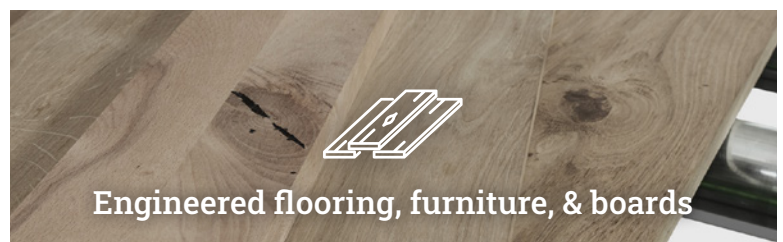
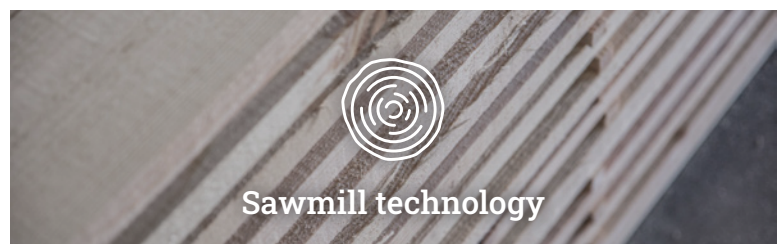
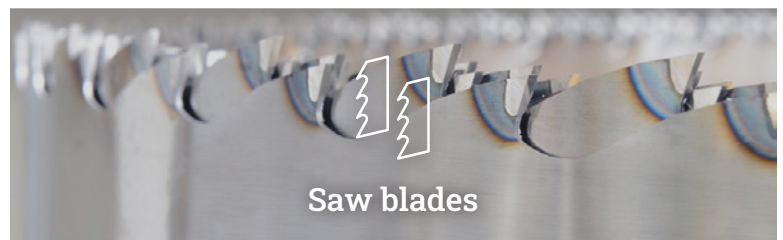
## Division WOODTECH

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 Holding AG** 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





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