

# DSB Compact XM



**WINTERSTEIGER**  
Thinking about tomorrow.

DSB Compact XM

# Single-module thin-cutting band saw

Enter the world of precision thin-cutting



From now on, even more customers will benefit from the tried and tested technology of the world market leader in precision thin-cutting: adapted to fit your requirements exactly, the machine offers an unbeatable price-performance ratio.

The DSB Compact XM is the entry model in the thin-cutting band saw product family and cuts with a kerf starting at 1.1 mm.

With a cutting height of up to 160 mm and infinitely variable control of the feeding speed from 1 to 16 m/min, the thin-cutting band saw can handle wooden blocks up to a width of 318 mm.

## Your benefits summed up:

### Enter the world of precision thin-cutting

- Unique price-performance ratio
- Machine and tools developed and manufactured by WINTERSTEIGER
- From the world market leader in precision thin-cutting

### Maximum precision for your requirements

- Solid-cast construction of all major machine components
- Innovative, automatically self-cleaning conveyor belt feed system
- Long lasting high-tech carbon guide

### User-friendly operation & worldwide service

- Central operating terminal with touchscreen display
- Ergonomic & easy to maintain
- Worldwide service, assisted by remote maintenance



# How to exceed high expectations

By being able to offer benefits as standard

## Flexible and sturdy wooden block transportation.

The innovative conveyor belt feed system on a solid-cast substructure guarantees the customary precision of WINTERSTEIGER thin-cutting band saws. Depending on the kind of wood and the preparation and dimensions of the block, the sturdy block transportation continually feeds the blocks with a speed of 1 to 16 m/min and achieves a cutting precision of up to 0.2 mm in the process.



## Integrated continuous cleaning system.

In order to guarantee a consistently high cut precision with a feed system, the transport surface must be kept free of saw dust at all times. To achieve this, WINTERSTEIGER developed its own conveyor belt and an integrated continuous belt cleaning system that guarantees high precision for both wet and dry cutting applications.

## Great comfort of operation.

The DSB Compact XM is impressively easy to use. The touch screen display and the easy-to-understand menus guide the operator through the program. It also features a multilingual user interface as well as numerous service and help menus.

## Smooth saw blade entry for better cutting performance.

The smooth saw blade entry system goes easy on the saw and improves the quality of the output. Thanks to the reduced speed at entry of the saw-blade into the wooden block, the forces working on the saw are minimized: the deflection of the blade is reduced. Once the blade is completely submerged in the wooden block, the speed of the feed is increased again.





The comprehensive portfolio of machines and tools developed and produced by WINTERSTEIGER guarantees the long-term performance of every single WINTERSTEIGER machine.



#### **Ergonomic and easy to maintain.**

The DSB Compact XM also offers maximum comfort for maintenance. All service-related components of the in-feed and out-feed side are fully accessible so that the time and costs for machine set-up, making adjustments and changing saw blades are all reduced to a minimum.

The enclosed saw unit within the machine makes it much easier for the sawdust to be transported out of the machine. The advantage: minimal need for cleaning.



#### **High-tech carbon pressure guide system.**

This high-tech composite material made of abrasion-proof carbon fibers and heat-resistant epoxy resin guarantees precise blade guiding and an extremely long lifetime.

DSB Compact XM

# We make you a clear offer

And still leave you the freedom to choose

The quality of an offer lies not only in its clearly redeemable value promise. Its quality also increases with the opportunity to choose, for example, between options which further improve the result depending on individual needs.

## Innovative spraying system for wet cutting.

Spraying the saw teeth with a special, highly wood-compatible spraying agent creates a vapor that lubricates and cools the saw blades. The spraying intervals can be customized according to need and application. The benefits: improved lifetime of the thin-kerf saw blades thanks to reduced friction and the prevention of resin build-up. The benefits of the spraying system are particularly evident when cutting wet wood. But it also demonstrates its performance in applications involving wood species with a high resin or silicate content.



## Optional spraying with water.

As an alternative to conventional spraying agents, water is also well-suited for the processing of certain kinds of wet wood. A small amount is sprayed on the tips of the teeth and loosens the mass of wet sawdust, resin and lubricant. The lateral clearance angles of the saw therefore remain clean and functional. Water as a spraying agent can be combined with conventional agents or employed separately as needed.



## Modular flexibility.

The construction of the DSB Compact XM makes it possible to easily position multiple machines in-line. The customer remains flexible: with increasing demand of capacity, additional machines can be added in-line. A complete system consisting of up to 6 machines can be operated from any one of the displays.



**Roller table extensions for optimal block support.**

A sturdy support for blocks at the machine's in-feed and out-feed ensures precise cutting. WINTERSTEIGER has developed a robust, 1.3 m long roll-table extension for this purpose.

**Feeding magazine an easy way to boost the efficiency of your machines and your work processes.**

WINTERSTEIGER offers the optimal solution for increasing efficiency and economy with the feeding magazine as an extension of the band saw.

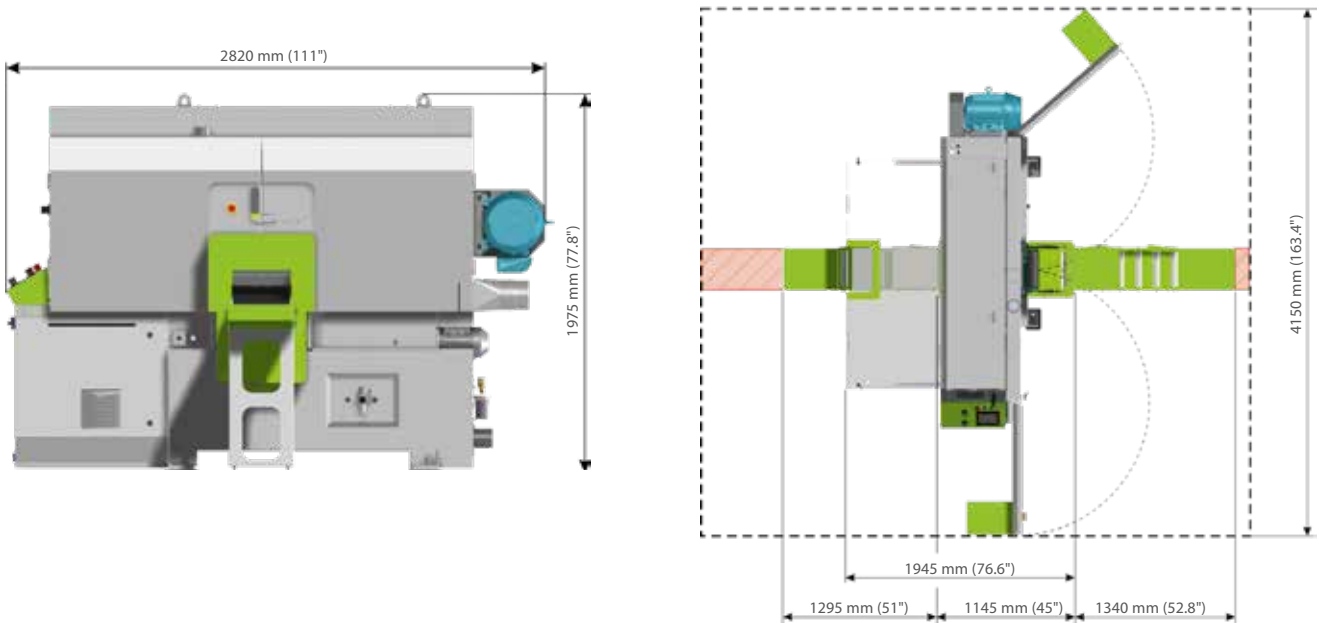
Inserting multiple blocks of wood helps to eliminate interruptions in the workflow and the use of materials. It enables your employees to operate multiple machines or run multiple work processes at the same time.



# Technical Data

Dimensions	DSB Compact XM
Height	1975 mm (77.8")
Width	2820 mm (111")
Depth (center of machine)	Min. 1145 mm (45")
Depth with doors open	Approx. 2000 mm (78.7")
Depth with roller conveyor (on feed and discharge side)	3780 mm (152.4")
Weight without roller table	1860 kg (3704 lbs)
Weight with roller tables	1960 kg (4321 lbs)
Foundation load	2100 kg (4630 lbs)
Transport options for machine	Recesses for forklift on underside of machine, 2 crane eyes on top of machine
Transport dimensions with pallet (W x D x H)	2850 x 1250 x 2200 mm; 2250 kg (112.2 x 49.2 x 86.6" / 4960 lbs)
Transport dimensions with wooden crate (W x D x H)	3100 x 1300 x 2230 mm; 2500 kg (122 x 51.2 x 87.8" (2500 kg / 5512 lbs)

We reserve the right to make technical modifications.



Technical data	DSB Compact XM
Main drive rating	15 kW
Supply voltage*1	3AC 380-480V 50/60Hz
Diameter – saw blade deflection pulleys	Ø 800 mm (31.5")
Width of saw blade	52 mm / 55 mm (2.0 / 2.2") for X-Clean saws
Expandability	Up to 6 machines
Operating height	Approx. 875 mm (34")
Saw blade speed, infinitely adjustable	Up to 40 m/sec (131 ft/sec)
Feeding speed*2	1 – 16 m/min (3.3 – 52.5 ft/min)
Compressed air connection	Operating pressure 6 bar
Required extraction force (Compressed air)	Min. 250 liters/min (8.8 cubic feet/min) per machine
Required Extraction capacity	30 m/sek (100 feet/sec), min. 4150 m <sup>3</sup> /h (146.555 cubic feet/hour) per machine
Suction fittings sideways	1 x Ø 150 mm (+ 1 x Ø 100 mm per machine)
Spraying system for wet cutting	For cutting wet wood and for wood species with a high resin or silicate content
Saw blade tensioning system	Pneumatic
Saw blade guide	Carbon guide, durable
Block width min. / max.	30 mm / 318 mm (1.2 / 12.2")
Block height min. / max.	5 mm / 165 mm (0.2 / 6.5")
Block length min. / max.	350 mm (13.8") / unlimited
Cutting height adjustment of saw blade min. / max.	2.0 to 163 mm (0.08 to 6.4")
Lamella thickness min.*2	From 2.0 mm (0.08")
Cutting precision*2	Approx. +/- 0.20 mm (0.008")
Thickness of cutting kerf	From 1.1 mm (0.04")

\*1 Further optional versions available for worldwide network requirements

\*2 Depending on type of wood and block dimensions

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# The pooled timber expertise of WINTERSTEIGER



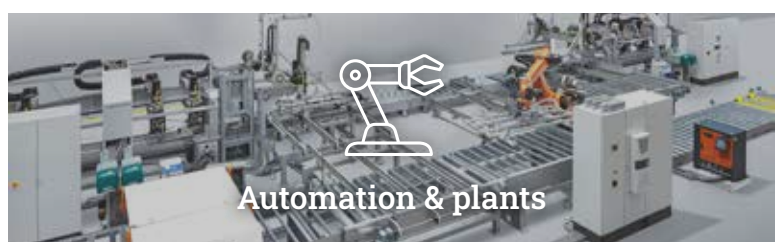
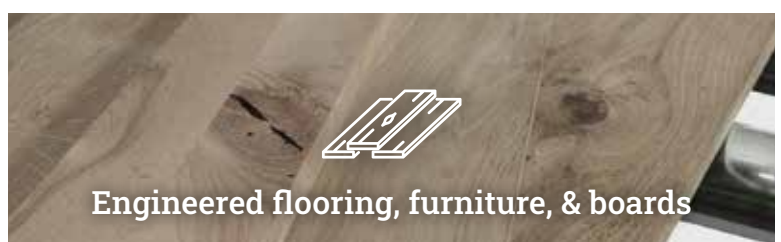
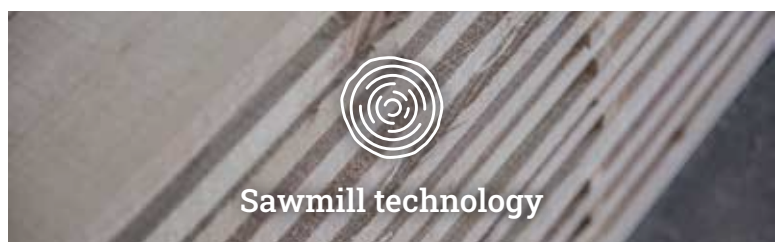
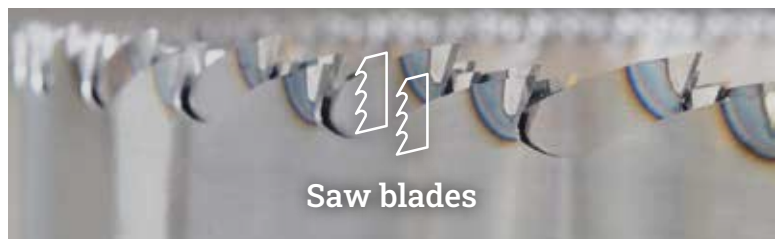
## Division WOODTECH

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 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





# 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.



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