

# Cutting edge for increasing volumes.

**HOMAG**

**Our panel dividing saws**  
SAWTEQ B-200

**YOUR SOLUTION**





# SAWTEQ B-200 – and your cutting operations are as versatile as your craft

The SAWTEQ B-200 offers everything you need in a woodworking shop to cut panels horizontally: power, precision and above all flexibility. This begins with the technology: the SAWTEQ B-200 offers you a choice of two standard models and a wide range of technology options, allowing you to customize your machine to meet your specific requirements. You remain flexible and have a saw that can grow with your needs.

## YOUR SOLUTION

## MORE AT HOMAG.COM



SAWTEQ B-200

## CONTENTS

04	Software
12	SAWTEQ B-200
14	SAWTEQ B-200 with lifting table
16	Standard features
22	Optional features
33	Technical data
34	Service

## What's different? The software!

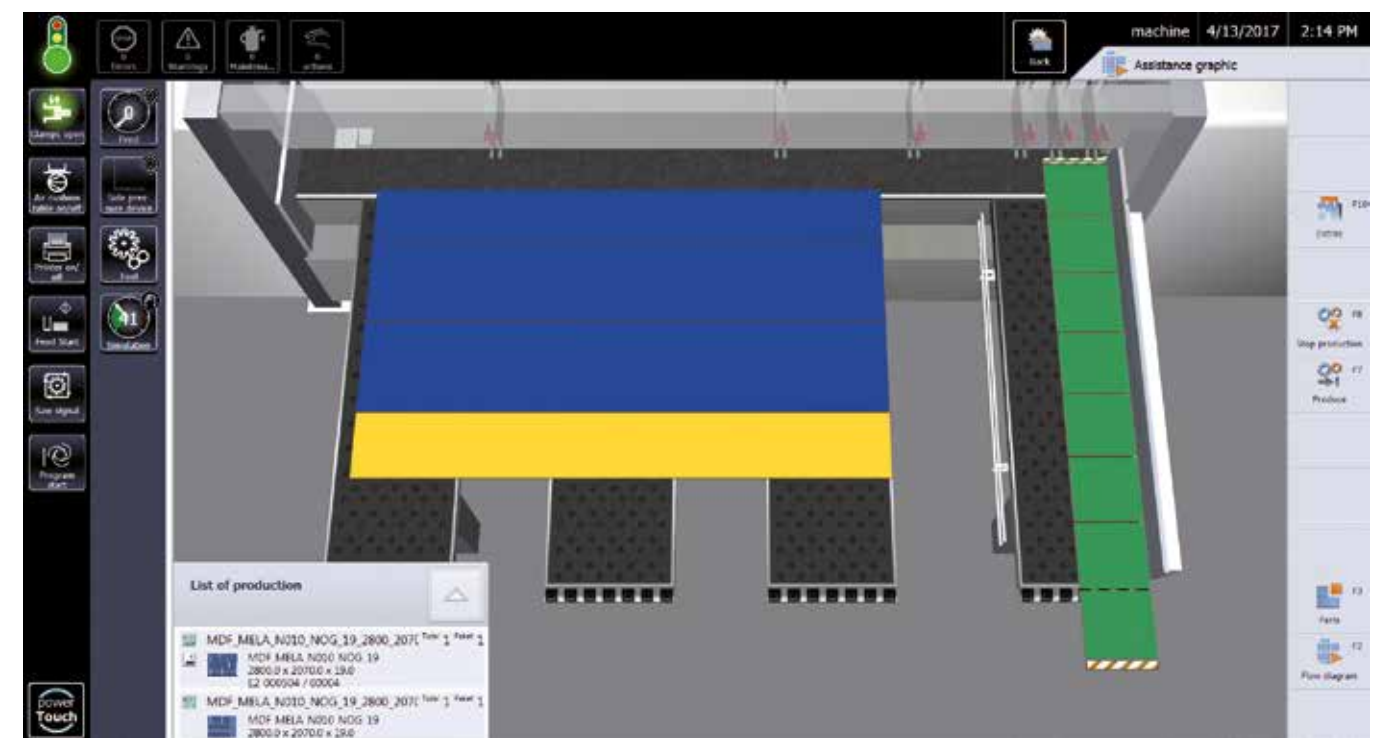
It efficiently integrates the machine into the production process. This results in seamless, intelligently networked processes from start to finish. In short: the right software unlocks new value-added potential. That is what makes it so important.





## CADmatic 5 – intuitive to operate and open for digital networking

CADmatic 5 is the state-of-the-art, high-performance saw control system from HOMAG. It provides a vast range of functions and great ease of use thanks to its intuitive operating concept and clear administrative functions. What's more, CADmatic 5 is open for communication with other machines and software solutions.



### CADmatic 5 – the change in perspective

The latest generation of the HOMAG saw controller features a new assistance graphic that clearly shows the machine operator what he has to do next. Compared to the previous process graphic that showed all the work steps of the saw (and can still be called up if required), this new graphic represents a 180-degree change in perspective!

#### Highlights:

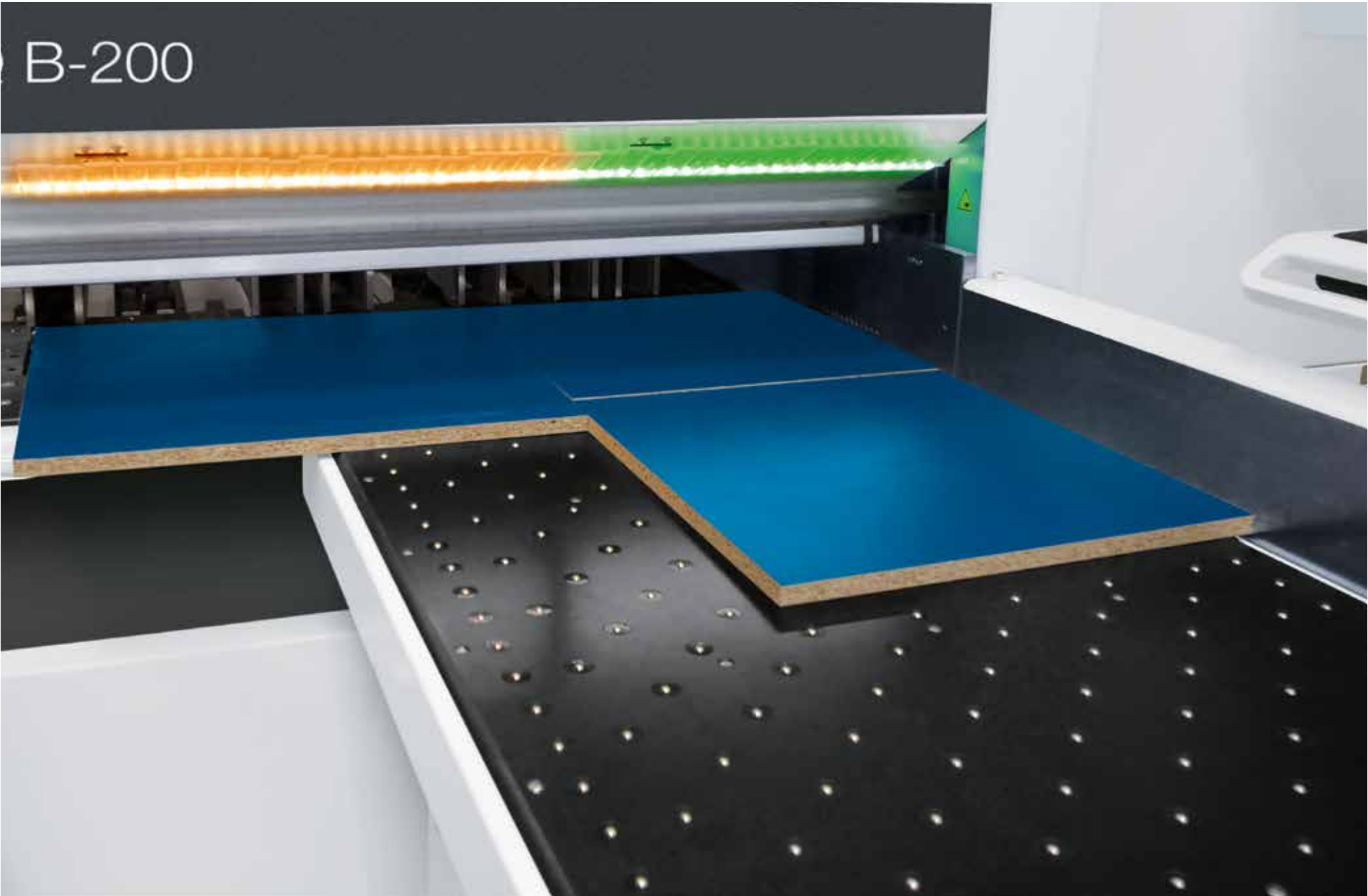
- The new 3D assistance graphic supports the operator and is intuitive to operate, which shortens the training period and reduces errors to a minimum
- This results in efficient processes and a steady output
- Simple handling via tapping and swiping (touch functions)
- Quick change between the individual sections

- Graphically supported diagnostics
- powerTouch user interface
- Ready for connection to tapio
- 21" full-HD widescreen monitor with multi-touch display

**Find out more in the "CADmatic" brochure.**

# Optional feature: innovative operator guidance by intelliGuide basic

New: the innovative operator assistance system intelliGuide is now available for the SAWTEQ B-200 too. In the 'basic' version featuring an LED strip at the cutting line which guides the operator by means of light signals.



## intelliGuide basic at a glance

- Colored LED signals at the cutting line allow intuitive operation and fast, reliable work
- Colored LED elements show the machine operator instantly whether a part has been fully processed, needs to be cut again or can be disposed of as waste
- On the basis of the LEDs that light up, the operator can determine whether the workpiece on the table meets the required specifications

Find out more in the “intelliGuide” brochure.

## Advantages of intelliGuide

- Intuitive machine operation
- Systematic means of avoiding errors
- Fast processes: operator and saw work in tandem and do not slow each other other down
- The operator rarely needs to look at the monitor and so can concentrate on processing the cutting pattern
- Fluid, ergonomic processes for efficient and concentrated work
- Smooth change of operator possible at any time



## CADmatic 5 Destacking module LITE

Which part goes where? The destacking module LITE answers this question by means of an integrated destacking display. The individual parts are color-coded both in the cutting pattern and in the assistance graphic, allowing the machine operator to clearly see which of the parts already produced have been allocated to which destacking stations.



# Optional features: increasing productivity with the appropriate cutting optimization software

Production time, material yield, parts handling and logistical process: efficient panel cutting with seamless processes requires intelligently optimized cutting patterns. For HOMAG saws, you can get the appropriate optimization solution on demand – from large to small, as permanently installed software or directly from the tapio cloud. You have the choice because the SAWTEQ B-200 is now tapio-ready.



## intelliDivide – the easy way to first-class optimization results

Simply upload the parts list. Done! The result? A choice of several alternatives for cutting patterns and entire runs. That’s how easy intelliDivide makes it.

In detail: the cloud-based optimization software intelliDivide features significantly higher computing capacities than does locally installed optimization software and can therefore swiftly provide the user with multiple variants of an optimization result.

This means the operator can choose from a variety of options, including a result based purely on reducing waste, a result based on the shortest machine time or on the simplest handling, perfectly adapted to the relevant requirements.

Applications are varied and are geared towards both the trade and industry. Would you, for example, occasionally like to optimize cutting patterns without having to buy, install and maintain a software solution? Then intelliDivide is just what you need. This is because you can use intelliDivide quite simply on an on-demand basis, as software as a service.

However, intelliDivide is also very interesting for large companies. Why so? Via the cloud, you can optimize your cutting patterns extremely quickly, intelligently and accurately with the help of a powerful calculation engine.

The SAWTEQ B-200 is tapio-ready, allowing intelliDivide to recognize the machine configuration of your saw and take it into consideration for every optimization run in the cloud, completely automatically. This pays off every time in the case of high material throughput.



## Cut Rite cutting optimization software

Efficiency through planning: This short phrase sums up the key benefits of the Cut Rite software. With this world-leading software solution, you can optimize waste and systematically lower the overall costs for cutting.

- Optimized project control
- Efficient cutting processes
- Full control of costs
- Faster calculations

**Find out more in the “Cut Rite” brochure.**

## CADplan

As an alternative to the comprehensive Cut Rite optimization software, CADplan, an add-on module for CADmatic, can also be used to perform small optimization jobs directly at the saw.

# SAWTEQ B-200

With the SAWTEQ B-200, you are opting right from the start for a saw that is a byword for precision and flexibility in cutting processes. Ideal for the trade and always ready for more.



**Now new!**

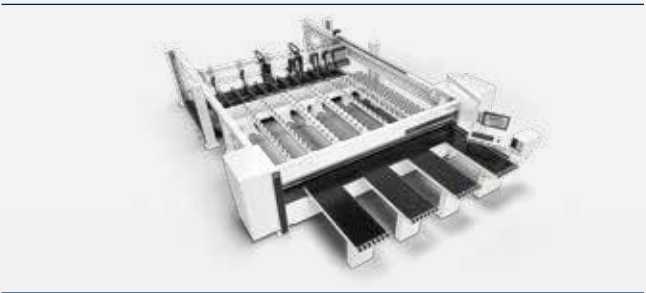
60 mm saw blade projection,  
optionally even 80 mm or 95 mm



SAWTEQ B-200. Illustration may show optional equipment.

# SAWTEQ B-200 with lifting table

The SAWTEQ B-200 can be equipped with an integrated lifting table for program-controlled feeding from the rear. This is significantly more ergonomic, faster and more efficient than exclusively manual feeding from the front.



Now new!

60 mm saw blade projection,  
optionally even 80 mm or 95 mm



SAWTEQ B-200. Illustration may show optional equipment. Protective fence obligatory.



## Standard features

Mechanical engineering of outstanding quality and state-of-the-art technologies are standard for the SAWTEQ B-200. This is admittedly an exceptionally high standard in this performance class, but then, after all, it is not without good reason that you choose a HOMAG saw.



# The standard version – more than the sum of its parts

Whether it's the patented side pressure device or the rugged HOMAG clamps, the standard version of the SAWTEQ B-200 offers impressive leading-edge technologies for your production process.



**Program fence for precision and dimensional accuracy**

The compact, electronically controlled program fence with clamps and precision guides has an electro-magnetic measuring system that guarantees positioning accuracy of +/- 0.1 mm per meter – at travel speeds of up to 80 m/min. Even minimal trims and dust cuts are possible. The measuring system is entirely wear and maintenance-free.

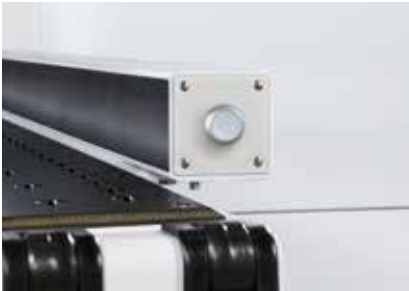
**Rugged pressure beam for first-class cut quality**

The large-area pressure zone directly at the cutting line reduces vibrations to a minimum. The result is precise cuts, for books too.



**Clamps: perfection down to the last detail**

HOMAG's rugged clamps position the material gently and accurately over the cutting line. The clamps in positions 2 and 4 are available as an option.



**Additional start / stop button**

A very practical and ergonomic solution – in particular when cutting long strips or large panels that make access to the control panel difficult.



**Manual pressure control**

The SAWTEQ B-200 comes fully prepared for cutting pressure-sensitive panels. You can adjust the pressure of the clamps and the pressure beam to suit your particular panel material by simply using the two manual controls conveniently located in the front operating area.



**Saw carriage**

The saw carriage is a robust steel construction with a main and a scoring saw as well as a central side pressure device.

Its strong points:

- Infinitely variable saw carriage speed
- High precision, low noise, maintenance free
- Fast saw blade change thanks to Power-Loc
- Saw carriage speed up to 120 m/min (as an option)



**HOMAG patent: central side pressure device**

- Integrated directly in the saw carriage. This reduces cycle times by up to 25% in comparison with conventional systems
- The contact pressure is infinitely variable – ideal for thin panels, laminates or sensitive materials



**Chopping edge on the right-angled fence**

With the help of the chopping edge, waste strips can be disposed of quickly and easily. The robust chopping edge is within easy reach of the operator and ideally positioned on the right-angled fence, allowing waste to fall directly into the container – for improved ergonomics.



**Power-Loc**

This easy-to-use, fast clamping system speeds up blade changes on both main and scoring saw.

- Automatic adjustment of scoring saw blade

## MORE AT HOMAG.COM



Central side pressure device



Chopping edge

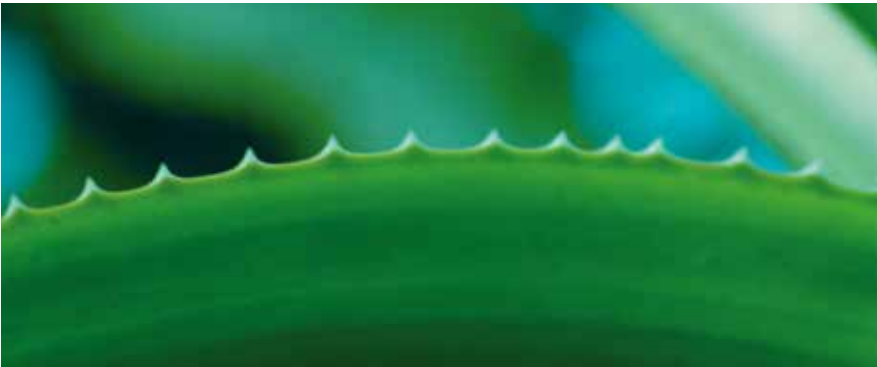


Power-Loc



# ecoPlus – because efficiency starts with the use of resources

Energy, time, material and personnel are all precious resources. Conserving them increases productivity and saves costs. The ecoPlus technologies from HOMAG help you to achieve this aim, providing countless innovations that save energy and reduce your operating costs. What’s more, ecoPlus reduces CO<sub>2</sub> emissions and protects the environment. A worthwhile investment twice over.



### ecoPlus technologies for maximum energy savings

- The standby button, a standard feature, puts the saw in an energy-saving standby mode at the touch of a button
- SAWTEQ B-200 with IE3 motors
- Variable speed control by means of a modern bypass circuit for all models with frequency-controlled main saw motor
- The geometry of the saw carriage enables highly efficient extraction
- All models are equipped with an energy monitor to monitor consumption
- Less energy required thanks to optimized extraction
- Thin-kerf saw blades can be used on request, ensuring less waste among other benefits
- Many innovations for improved ergonomics and smooth production processes

### WITH ECOPLUS, YOU SAVE:

up to **20%** of energy\*

\* Compared to our older saws

# SAWTEQ B-200 with lifting table – equipped for higher throughput

HOMAG saws with lifting table go some way towards automating feeding and are therefore equipped with additional technical solutions even in the standard version.



### Powerful feeding system

- Panels are fed via an electro-hydraulic four-column lifting table
- Automatic determination of book height
- Equipped as standard with longitudinal profiles and sensing device
- Maintenance-free and no lubrication required

### Separate backing wall

The backing wall is not attached to the machine bed, ensuring precise cuts. This is because vibrations caused by the movement of stacks on the lifting table are not transferred to the machine bed.

Illustrations may show the technical principle but not the precise machine variant described. Optional features, for example, may be shown.





## Optional features

Special challenges call for special solutions. Nothing could be easier. Simply choose the appropriate optional features and configure your SAWTEQ B-200 to meet your specific production requirements. So you get exactly your solution .



# Made-to-measure feeding solutions – for saws without lifting table

Smoothly running cutting processes begin with individually customized feeding solutions. The choice is yours!



### Easy2Feed

Easy2Feed promises automatic feeding at a budget price. This optional feature saves time and space, is very ergonomic and can be retrofitted. The core element is a compact scissor lift table, which can be comfortably loaded by forklift truck.

- For the 3,800 mm and 4,300 mm cutting lengths
- Panels upwards of 9.5 mm thickness can be fed
- Maximum panel size: 3,100 x 2,200 mm (3,660 x 2,220 mm for the 4,300 mm cutting length)
- Stack height 460 mm (standard version)
- Lifting table in pit on request
- For material that can be push-fed
- Feed roller conveyor on the side available as an option



### Other feeding solutions for the trade sector

Easy2Feed is just the beginning. Depending on your requirements, we can offer you a range of other automatic feeding solutions, for example, a fully customized saw-storage combination.

The advantages of a saw-storage combination:

- You can keep track of everything and reach every panel
- Ideal for the trade
- Small footprint
- Attractive price
- Saw and storage system perfectly coordinated
- Automatic feeding for small panel dividing saws
- Perfect handling – even with just one machine operator
- Easy, ergonomic operation
- Storage system controls the saw

# Power Concept PRACTIVE – for saws without lifting table

Power Concept PRACTIVE allows several strips with different cross cuts to be cut to length together. Available for single saws without lift table feeding with a saw blade projection of up to 80 mm.



Power Concept PRACTIVE works with:

- An additional clamp which works independently
- Clamps on the program fence that can be raised out of the overlapping work area as needed
- Sorting the strips directly at the saw so that they are ideally matched to Power Concept PRACTIVE.

The benefits:

- Up to 40% more output
- Significantly shortened work cycles
- Significantly improved material flow
- High material throughput
- Lower costs per cut
- Attractively priced high-tech solution with minimum space requirement
- Precision cutting even of very narrow strips

## POWER CONCEPT

Up to **40%** more output



Lower costs per cut



Significantly improved material flow



High material throughput

# module45 – giving your saw the scope to produce bevel cuts

With this innovation from HOMAG, you can produce all cuts, including bevel cuts, on one and the same saw. Work efficiently and flexibly without changing station, at seamlessly adjustable angles ranging from 0 to 46 degrees.



## The benefits of module45

- Easy one-man operation
- A great deal safer and more ergonomic for the operator in comparison to working with a circular saw
- No change of station: less scrap and higher quality thanks to reduced transport damage
- Low investment costs, great benefits
- Available as retrofit on request

## The technology

- module45 consists of a stationary saw carriage with a tilting saw blade that can be seamlessly adjusted to angles of 0 to 46 degrees
- When viewed from the front, the unit is integrated in the air cushion table on the far left
- The table plate can be opened, allowing easy access to the saw carriage for changing saw blades
- Other features include dedicated systems for contact pressure and dust extraction, plus a fold-down right-angled fence for maximum handling flexibility at the front of the saw

## Incorporate bevels into cutting patterns

Now you can also incorporate bevel cuts into your cutting patterns: either using the Cut Rite optimization software when preparing work in the office, or when inputting the patterns directly in CADmatic. Parts to be processed with module45 are then cut (oversize) and the operator only needs to set the angle of the bevel on module45 and start the cut.

[MORE AT HOMAG.COM](https://www.homag.com)



module45



# Cuts what is put on the table

Intelligent optional features ensure that the SAWTEQ B-200 can tackle practically all the tasks and materials required in the cutting process.



### The perfect postforming cut

- Ensures perfect cuts on soft-formed and post-formed parts
- Maximum saw blade projection: 44 mm



### Movable air cushion table

This air cushion table is easily moved along linear guides and offers you a mobile work surface and storage area. It allows you to move small panels, large panels or books of panels more ergonomically and with less risk of damage.



### Wider table elements (not shown)

Air cushion tables are optionally available in a width of 800 mm instead of 650 mm. Just one, two, three or all four – whatever is best for your production.



### Machine table equipped with air jets throughout

Anyone working with sensitive material or especially heavy panels and books will benefit from the machine table being equipped with air jets throughout.



### Greater visibility while maintaining safety (for single saws without lifting table only)

While saws with lifting table come standard with an all-round protective fence, saws without lifting table have a protective guard around the rear machine table. The sides of this protective guard are made up of individual elements which can be equipped with windows if desired – one is already included as standard. Further windows can be added as needed. This ensures greater visibility while maintaining safety levels.

### Additional clamps

An extra that gives you a real grip so that your saw always has a firm hold even on particularly large, thin or smooth materials.

### More power for the main saw

The SAWTEQ B-200 can be equipped with a stronger main saw motor. You can increase the power from 7.5 kW to 9.2 kW, 11 kW or even 18 kW.

### Gentle material handling

Additional rollers on the edge of the air cushion table ensure particularly gentle positioning of material and greater operator comfort.

### Higher speed and throughput

- Saw carriage speed of up to 120 m/min instead of the standard 80 m/min
- Higher saw blade projection of 80 or even 95 mm instead of 60 mm

## MORE AT HOMAG.COM



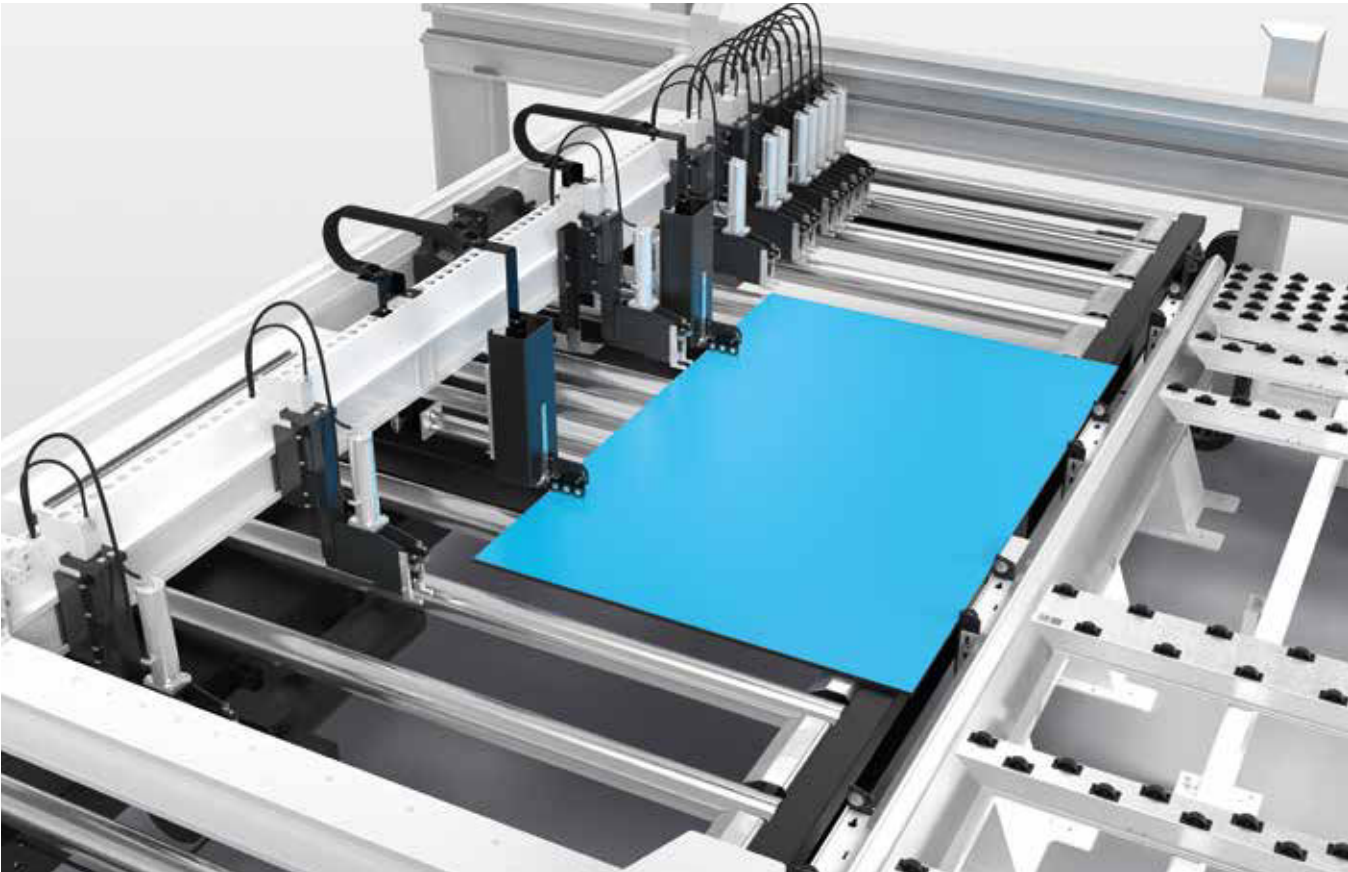
Postforming



Air cushion tables

# Extra tools for demanding materials and cuts

Exceptional materials require exceptional technical solutions. These are available in abundance for the SAWTEQ B-200 – for thin panels, for example.



### Micro feed for thin panels (for saws with lifting table only)

The micro feed option allows thin panels from 6 mm upwards to be pushed onto the rear machine table (provided that their properties meet HOMAG specifications). Book height is measured by a non-contact, electromagnetic measuring system which is completely maintenance-free.

### Extra impetus for feeding (for saws with lifting table only)

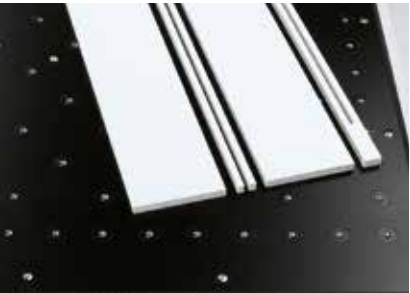
The automatically driven roller conveyor integrated in the lifting table and additional roller conveyors on the side ensure fast stack changeover.

## MORE AT HOMAG.COM



Micro-feed

Illustrations may show the technical principle but not the precise machine variant described. Optional features, for example, may be shown.



Cut-out function



Stress elimination cut

### Cut-out and stress elimination cut

Stress in the material is released when it is cut and can affect the quality of dimensions and cuts. The stress elimination cut option provides the solution. Systematic preliminary cuts can be defined during optimization and release the tension in the material. The additional cut-out feature allows you to produce both cut-outs and intermittent grooves in panels, as required for kitchen sinks or doors, for example.



### Kerfing

This option saves you an entire production step in subsequent processing. This is because your saw will also groove the panel material.

### Manual trim stops

With these, your saw can also master material with overhanging laminates or veneers. The trim stops are integrated in the clamps and are simply flipped forward when required.

- Rugged
- Gentle handling of sensitive materials with overhanging laminates or veneers
- Precise positioning

### Pneumatically operated trim stops

The trim stops are attached to the clamps and are activated as needed by the CADmatic machine control.

- Rugged
- Gentle handling of sensitive materials with overhanging laminates or veneers
- Precise positioning

## MORE AT HOMAG.COM



Kerfing



Trim stops

# Reliable labeling and identification

To ensure that your processes also continue smoothly after the saw, HOMAG offers you needs-based labeling solutions. For fast labeling and reliable identification at all downstream stations.



**Label printer**

The label printer from HOMAG allows you to print customized labels directly at the saw and design them to include bar codes, text and graphics if required. If you also use our Cut Rite optimization software, the material goes directly to the next process step with printed instructions. In this way, you can integrate the saw perfectly in your production flow.

MORE AT HOMAG.COM

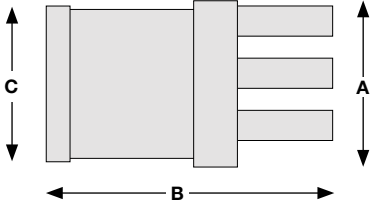


Manual labeling

Illustrations may show the technical principle but not the precise machine variant described. Optional features, for example, may be shown.

TECHNICAL DATA*		
Model	SAWTEQ B-200	SAWTEQ B-200 with lifting table
Saw blade projection (mm)	60 (optional: 80 or 95)	60 (optional: 80 or 95)
Cutting length (mm)	3,200/3,800/4,300	3,200/3,800/4,300
Lifting table width (mm)		2,200
Program fence speed (m/min)	up to 80 **	up to 80 **
Saw carriage speed (m/min)	up to 80 (optional: 120)	up to 80 (optional: 120)
Main saw motor (kW)	7.5 (optional: 9.2, 11 or 18)	7.5 (optional: 9.2. 11 or 18)
Scoring saw motor (kW)	1.1	1.1
Average total air requirement (NI/min)	150 (200 with 95 mm saw blade projection)	150 (200 with 95 mm saw blade projection)
Required compressed air supply (bar)	6	6
Extraction system (m³/h)	3,300 (26 m/sec)	3,300 (26 m/sec)
Working height (mm)	920	920
Air cushion tables (mm)	3/3/4 x 1,800	3/3/4 x 1,800

\* Values relate to the standard version  
\*\* Forwards 25 m/min  
\*\*\* Dim. A: incl. 40 mm for extraction connection, dim. C: standard program fence width



MASCHINE DIMENSIONS***			
SAWTEQ B-200	A (mm)	B (mm)	C (mm)
	5,307	6,037	3,587
	5,867	6,037	4,147
	5,867	6,637	4,147
	6,457	6,037	4,737
	6,457	6,637	4,737
	6,457	7,187	4,737

MASCHINE DIMENSIONS***			
SAWTEQ B-200 mit Hubtisch	A (mm)	B (mm)	C (mm)
	5,307	10,419	3,636
	5,867	10,419	4,196
	6,457	10,419	4,786





## HOMAG LifeCycleService

Optimal service and individual consultations are included in the purchase of our machines. We provide support through service innovations and products that are tailored exactly to your company's requirements. With short response times

and fast customer solutions, we can guarantee excellent availability and cost-effective production for the entire life cycle of your machine.



### HOMAG Finance – tailor-made financial solutions

- We offer you tailored financing proposals for your machinery or plants. Our financial advice goes hand in hand with our expertise relating to technical questions. Your personal contact person will take care of the whole process
- The benefits for you: you can invest in new technologies without delay, while remaining financially flexible

1,200

service employees worldwide

> 90%

fewer on-site visits due to successful remote diagnostics

5,000

customer training sessions per year

>150,000

machines electronically documented  
in 28 languages in eParts



### Remote Service

- Hotline support for the control system, mechanics, and process technology from our remote service specialists. This results in 90% fewer on-site service visits!
- Mobile applications such as ServiceBoard reduce costs by providing fast assistance in the event of malfunctions via mobile live video diagnostics, online service messages and eParts, the online spare parts shop



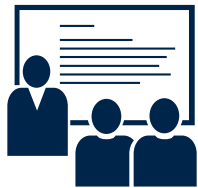
### Spare Part Service

- Identify, request and order spare parts 24/7 via [www.eParts.de](http://www.eParts.de)
- Parts available locally worldwide through sales and service companies, as well as sales and service partners
- Reduction in downtimes due to specific replacement part and wear part kits



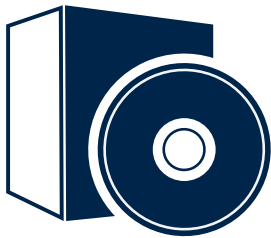
### Modernization

- Keep your machine pool up-to-date and increase both the productivity and product quality. Meet future product requirements today!
- We provide support through upgrades, modernizations, and individual consultations and development



### Training

- Thanks to training that is precisely tailored to your needs, your machine operators can operate and maintain HOMAG machines as efficiently as possible
- You will also receive customer-specific training material with tried-and-tested exercises



### Software

- Telephone support and advice from Software Support
- Digitization of your sample parts using 3D scanning saves time and money in comparison with reprogramming
- Retrospective networking of your machine fleet with intelligent software solutions from design through to production



### Field service

- Increased machine availability and product quality thanks to certified service personnel
- Regular checks through maintenance / inspection ensure that your products are of the highest quality
- Minimized downtimes in the event of unforeseeable malfunctions due to the high availability of our technicians

**HOMAG Group AG**

info@homag.com  
www.homag.com



**YOUR SOLUTION**