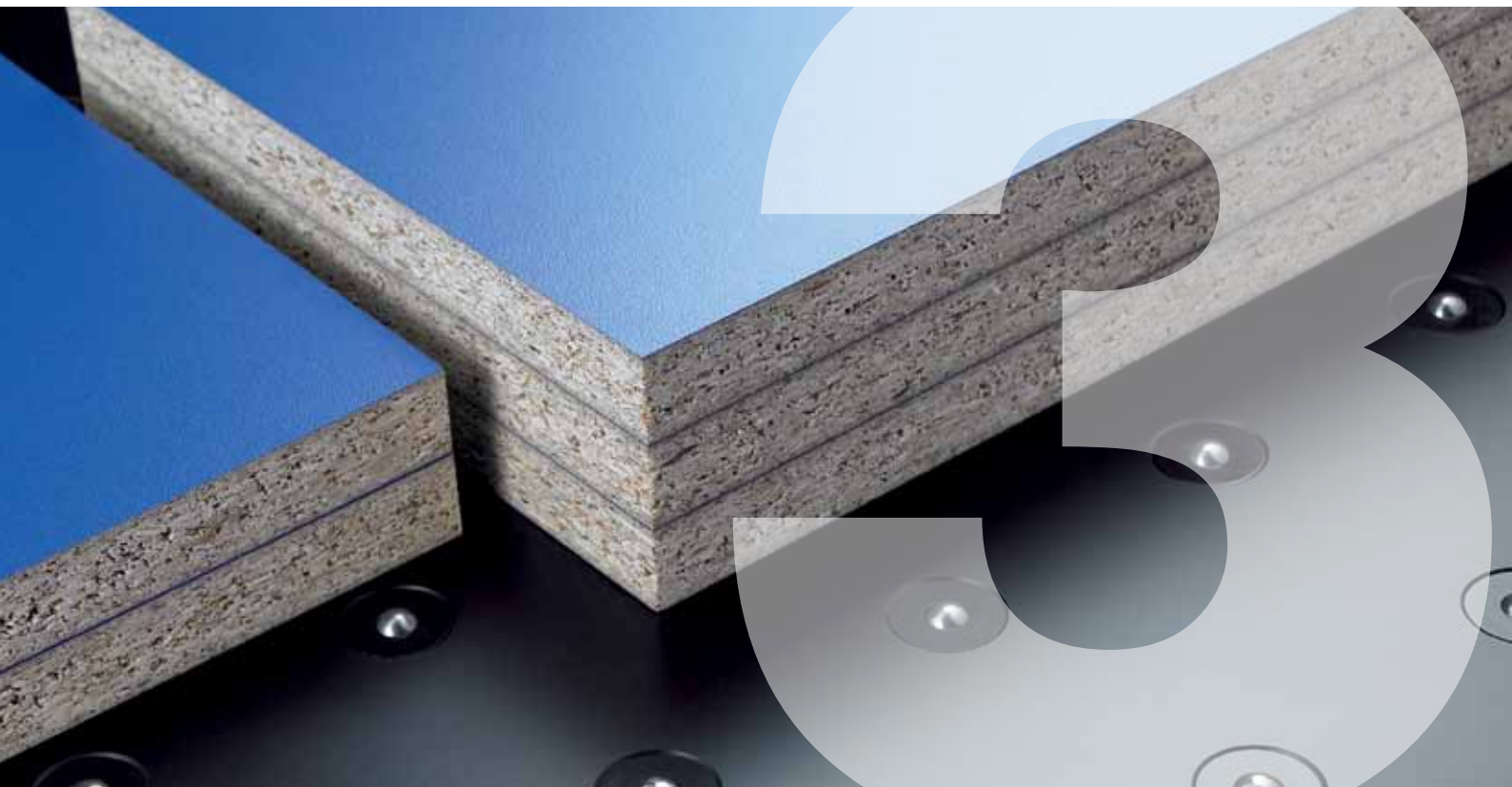


Performance tailored to your needs



The 3 series:
HPP 300 | HPL 300 | HKL 300
2014/1

The 3 series – with new flexibility for custom configurations

A key factor for your success is having the right technology – and now you have a far greater level of flexibility in equipping your new HOLZMA saw with just this. Whether it's an HPP, an HPL or an HKL 300, the standard models of the 3 series have everything a panel saw needs. No less, but also no more. That is because you can decide what more you need and simply choose the appropriate options. This means you invest no more than necessary in technology and can equip your HOLZMA saw according to your requirements.

New highlights in the standard version

- Designed for smooth material flow and precise logistics
- For integrated production processes
- ecoPlus technologies:
 - even higher energy savings
 - further increase in saw performance
- Cleaning flaps at the front
- Clamps with two fingers
- 19" touch screen monitor
- Automatic cutting height control
- Manually adjustable pressure for pressure beam and clamps
- An eye-level window provides a clear view of the rear part of the machine
- First air cushion table 650 mm wide

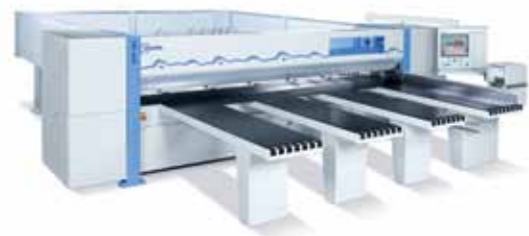


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HPP 300 and HPP 300 profiLine

With the HPP 300 you get a compact and powerful single saw that offers impressive versatility.



- Highlights at a glance**
- 80 mm saw blade projection, 95 mm as option
 - Ergonomic table height of 920 mm
 - Easy operation
 - Reliable and efficient



The 3 series
in action
Now in video 



HPP 300. Illustration may show optional equipment.

HPL 300 and HPL 300 profiLine

This model sets you up for really big jobs. The integrated lift table for automatic feeding allows you to speed up your production and significantly increase throughput.



- Highlights at a glance**
- 80 mm saw blade projection, 95 mm as option
 - Ergonomic table height of 920 mm
 - Easy operation
 - Reliable and efficient
 - HPL 300 profiLine with an even wider choice of optional features



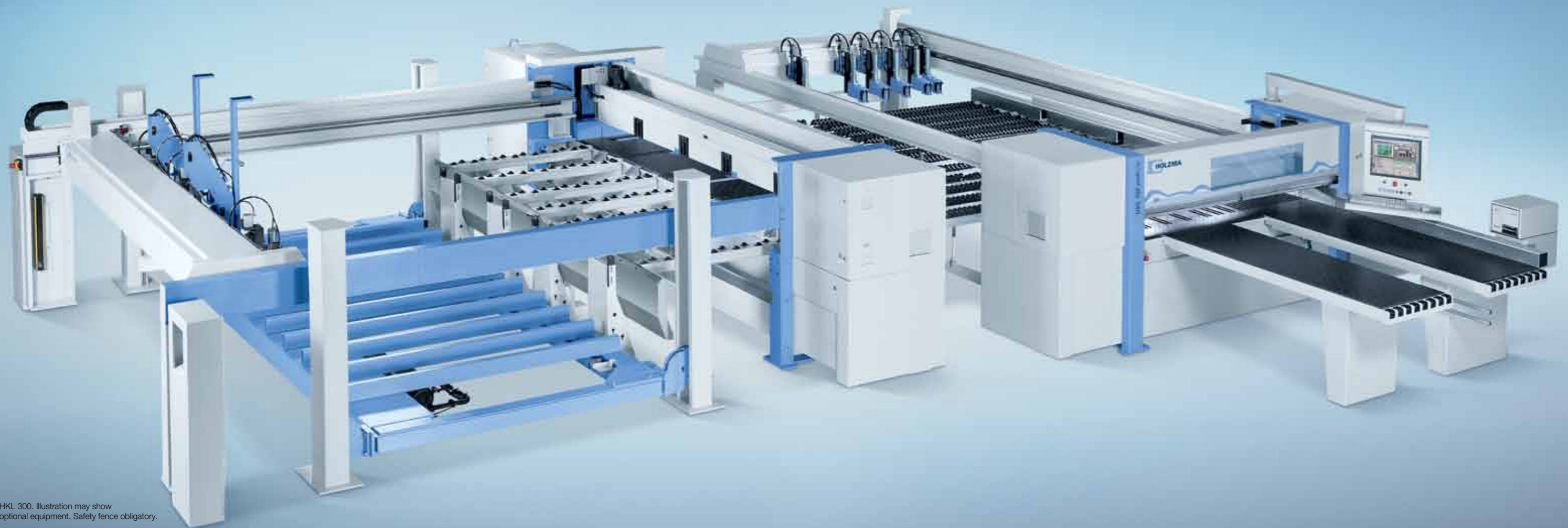
HPL 300. Illustration may show optional equipment.
Safety fence obligatory.

The HKL 300 angular system

The HKL 300 angular system is the top model in the 3 series – designed for maximum precision in continuous operation. It addresses the needs of trade and industry alike. The system cuts entire books of panels as accurately as it does single panels. Fully automatically and with long-term reliability.

Highlights at a glance

- Compact angular system
- Ideal for individual panels and small books
- High quality cuts in record time
- 80 mm saw blade projection, 95 mm as option
- Machine table equipped with air jets as standard feature

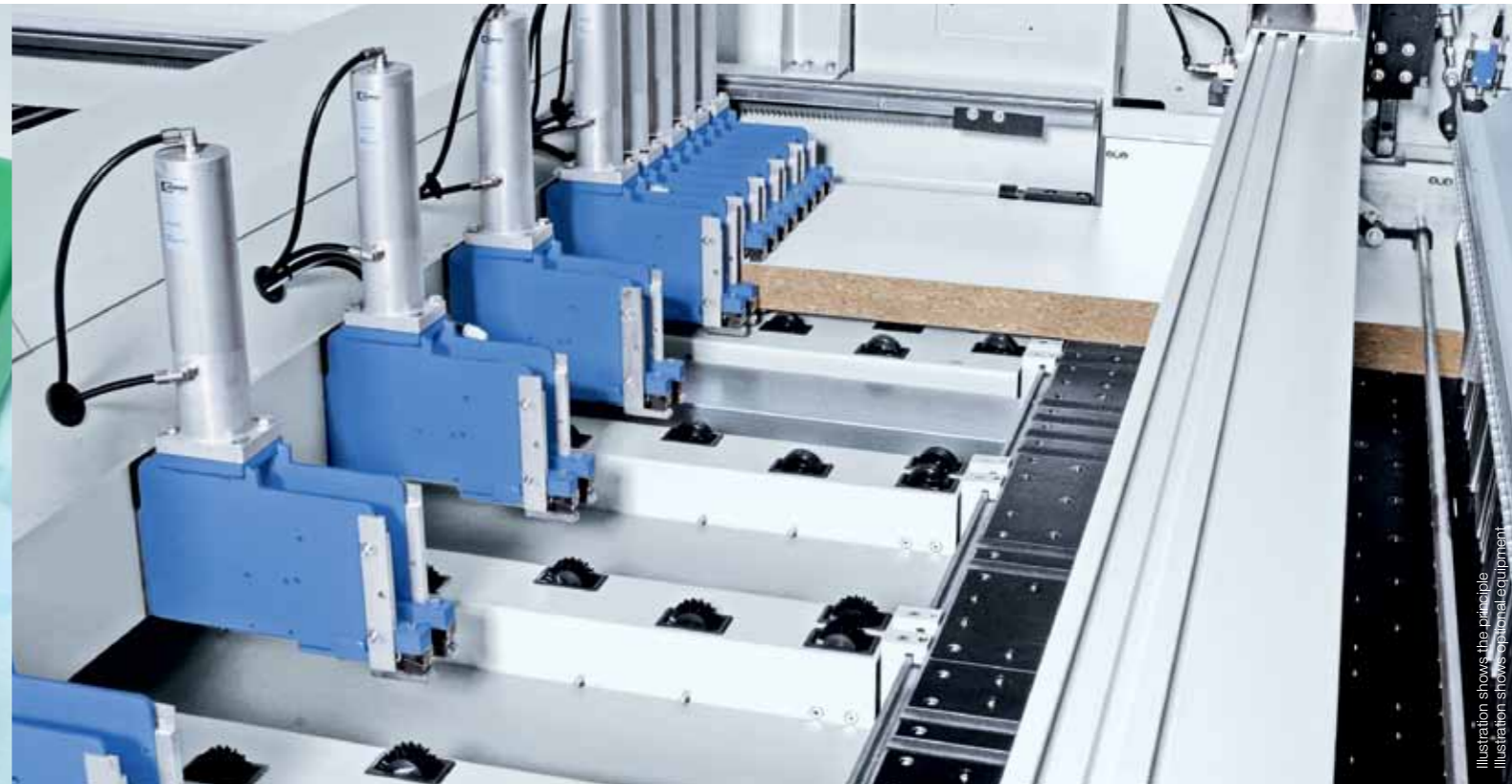


HKL 300. Illustration may show optional equipment. Safety fence obligatory.

Standard features

Standard features
HPP 300 | HPL 300 | HKL 300

You think ahead. So does HOLZMA. This is clearly reflected in the standard features. You benefit from state-of-the-art, high-precision technology.



ecoPlus: state-of-the-art technology for energy savings of at least 20%

- The standby button, a standard feature, puts the saw in an energy-saving standby mode at the touch of a button
- All models with IE2 motors
- Variable speed control by means of a modern bypass circuit for all models with frequency-controlled main saw motor
- Patented rocker raises just the main saw blade, while the motor remains in position – this saves electricity

- The light sensor on the saw carriage has its own blower unit (option), which utilizes the air discharged from the main saw motor
- The pneumatic system in the saw carriage has partly been replaced by hydro-pneumatic components, thus cutting compressed air costs and enhancing precision
- The new geometry of the saw carriage boosts extraction efficiency
- Intelligent optional feature: load-dependent control of the air cushion

- All models with the HOLZMA energy monitor for consumption monitoring
- Lower energy requirement thanks to optimized extraction
- HOLZMA thin-kerf saw blades available on request
- Numerous innovations for improved ergonomics and smooth production processes

More information in the ecoPlus brochure.

Program fence for precision and dimensional accuracy

- Resistant to torsion and bending
- Electronically controlled
- Precision guidance on H-girder
- Electromagnetic measuring system guarantees positioning accuracy of +/- 0.1 mm
- Measuring system involves no wear and no maintenance

Rugged pressure beam for first-class cut quality

- Large-area pressure zone directly at the cutting line reduces material vibrations to a minimum
- Linear guide on both sides
- Rack and pinion ensure the necessary parallel adjustment

This results in accurate, clean cuts, for books too.

XXL cutting length

HPP 300, HPL 300 and HKL 300 are also available with a 5600 mm cutting length if desired (also for profiLine).



Clamps

- Rugged clamps, all with two fingers
- Gentle positioning of material
- The bottom fingers of the clamps can be removed to allow the clamp base to be cut in perfect alignment – a fast means of adjustment
- The clamping pressure can be adjusted (manually) to suit each particular material
- The short, rugged design allows material to be held more accurately and handled more gently
- Irrespective of the book height, the top fingers of the clamps do not exert any leverage; instead, they are lowered horizontally and their entire contact surface rests on the material. This increases the working depth and ensures material is held firmly
- Designed for continuous, multi-shift operation



Illustration shows optional equipment

Central side pressure device
Now in video

HOLZMA patent: central side pressure device

- Integrated directly in the saw carriage; this shortens cycle times by up to 25% in comparison with conventional systems
- Infinitely variable adjustment of contact pressure – according to panel thickness. This allows even thin boards, laminates or sensitive materials to be processed perfectly. This is now complemented by the new, book-height-dependent control of the contact pressure: the higher the book, the greater the pressure

Illustration shows optional equipment

Standard features

Standard features
HPP 300 | HPL 300 | HKL 300

Chopping edge by the right-angled fence

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



Illustration shows optional equipment

Newly designed saw carriage

Exceptionally smooth running, high precision and low energy consumption are the hallmarks of the new saw carriage of the 3 series.

- Developed especially for the 3 series
- Torsion-resistant, compact and tough basic design of the steel plate body for maximum dynamics and precision
- Infinitely variable feed speed – for precision cutting of demanding materials
- Long-term accuracy of saw blade projection
- Fast, precise, low-wear and infinitely variable positioning of the main saw blade by means of linear guide system with rocker (patent)
- Main saw motor is not raised
- Low-noise, maintenance-free main saw blade drive
- Power-Loc system: fast and easy saw blade change
- Spring-preloaded wheels (optional) always in perfect contact with the guides
- Light sensor with blower unit (available as an option with the saw carriage dynamics package)
- Excellent dust extraction thanks to innovative design of the saw carriage
- Postforming package available as option (page 25)



CADmatic 4.1 PROFESSIONAL

Developed with the needs of different user groups in mind and individually configurable, the CADmatic control software delivers optimized processes.

- Intuitive, easy-to-understand operating software
- 3D, real-time process graphic
- 19" TFT flat touch screen monitor
- Graphically supported diagnostics
- Improved navigation due to permanent access to all functions
- Improved design for enhanced user-friendliness



Handy cleaning flap

Quick and convenient: flaps provide easy access to the area under the saw carriage, allowing easy removal or vacuuming of cutting waste.



Waste flap (only for HKL)

The waste flap opens automatically when required and removes cutting waste from the rip saw.

- Opens and closes in perfect coordination with the operating cycle of the system
- Equipped with air jets



Powerful feeding system

Feeding is performed by the electro-hydraulic four-column lift table.

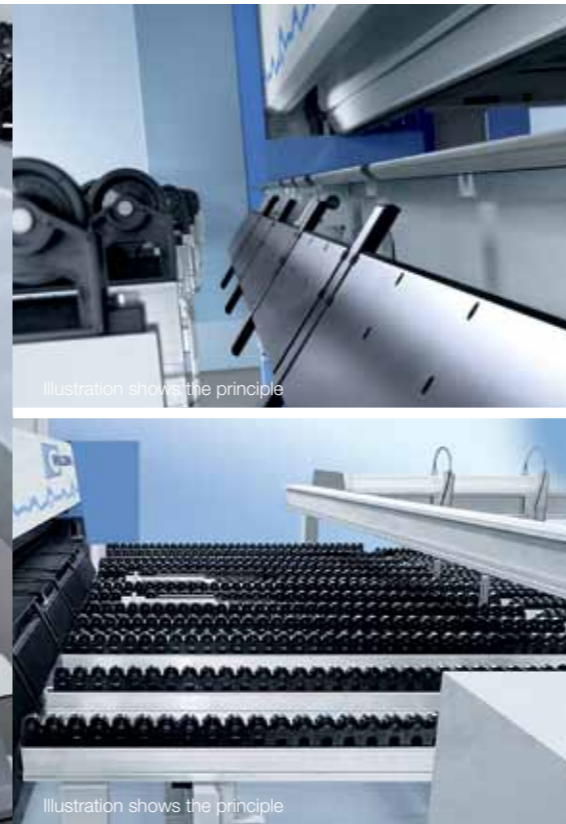
- Automatic measurement of book height
- Equipped as standard with longitudinal profiles and sensing device

- Also suitable for thin materials from 9.5 mm upwards. If equipped with the options micro-infeed and hold-back device, suitable for materials from just 3 mm upwards
- Maintenance-free and no lubrication required



Separate backing wall

- Not attached to the machine bed; this ensures precise cuts
- Vibrations caused by the movement of stacks on the lift table are not passed on to the machine bed



Transfer to cross cut saw (only for HKL)

- Special motor-driven pushers ensure perfect transfer
- Roller rails can be raised and lowered
- Lengthwise and crosswise alignment after transfer
- AB-BA system for mirror-image cutting
- Integrated headcut device



Outfeed device for the rip saw (only for HKL)

The outfeed device pushes the panel material onto the intermediate table and the trim onto the waste flap.

Basic package

- Machine table with air jets
- One clamp with 2 fingers
- Moving device for second air cushion table
- First air cushion table 2810 mm long instead of 2160 mm

Performance package

- Pressure beam height control
- Saw carriage dynamics package
 - Saw carriage speed up to 150 m/min
 - Spring-preloaded running wheels
- 13.5 kW main saw motor

Premium package

- Pressure beam height control
- Saw carriage dynamics package
 - Saw carriage speed up to 150 m/min
 - Spring-preloaded running wheels
- 13.5 kW main saw motor
- Machine table with air jets
- Motor-driven scoring saw lift

Extra impetus for feeding

The automatically driven roller conveyor, integrated in the lift table, and additional roller conveyors to the side ensure fast stack changeover.



Easy2Feed
Now in video



Shows CADmatic 4.5 PROFESSIONAL

Keeping an eye on everything – with video monitoring

- Recommended for large panel saws
- Displayed in the CADmatic control software
- You always have the rear machine table and feed system in view
- Camera pictures can be recorded for error diagnostics and workflow optimization purposes and sent to the HOLZMA Service department

Easy2Feed

(only for the HPP 300 in right-handed version)

Easy2Feed promises automatic feeding at a budget price. This optional feature saves time and space, is particularly ergonomic and can be retrofitted to the HPP 300 at any time – without requiring any additional space. The core element is a compact scissor lift table, which can be comfortably loaded by fork-lift truck.

- For 3800 and 4300 mm cutting lengths
- Panels upwards of 9.5 mm thickness can be fed
- Maximum panel size: 3100 x 2200 mm (with a 4300 mm cutting length 3660 x 2200 mm)
- Stack height 460 mm (standard version), 800 mm (in pit)
- Lift table standing in pit if required
- For material that can be push-fed
- Infeed roller conveyor at side available as option

Low-cost storage system integration

HOLZMA offers economically priced feeding solutions for the single saws of the new 3 series, including storage system integration.

- Ideal for the trade and craft sector
- Small footprint
- Attractive price
- Movable in x and y directions
- Saw and storage system are perfectly matched

- Automatic feeding for small panel saws
- Perfect handling – even with just one machine operator
- Easy, ergonomic operation
- Storage system controls the saw

More information, for example about combination with BARGSTEDT TLF storage systems, can be found in the HOLZMA Handling brochure.

Optional features

Optional features
HPP 300 | HPL 300 | HKL 300



 **Panel labeling system**
Now in video [▶](#)



 **Micro-infeed**
Now in video [▶](#)



 **Turning device**
Now in video [▶](#)



Panel labeling system

The innovation for saws with automatic storage link-up: the HOLZMA panel labeling system labels the panel before it is cut – independently of the saw, in non-productive time that hitherto went unused. It can also be combined with the feed-stacking table with integrated infeed (available for profilLine models).

- Smallest part size 170 x 170 mm
- Up to 10 labels/min, up to 15 labels/min as option

- Labeling independent of cutting process
- Saves time, because non-productive time is used productively
- Optimizes handling during destacking, because all the parts are already labeled
- Simplifies and speeds up production processes
- Automated parts tracking
- Can be retrofitted
- For smooth processes

Micro-infeed for thin panels

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

Turning device for headcuts

- Labor-saving device for operators
- With automatic aligning function
- Significant increase in output
- Process integrated perfectly in the machine cycle
- Less time required for preparation
- Easy operation

Automatic waste removal

(only for HKL)

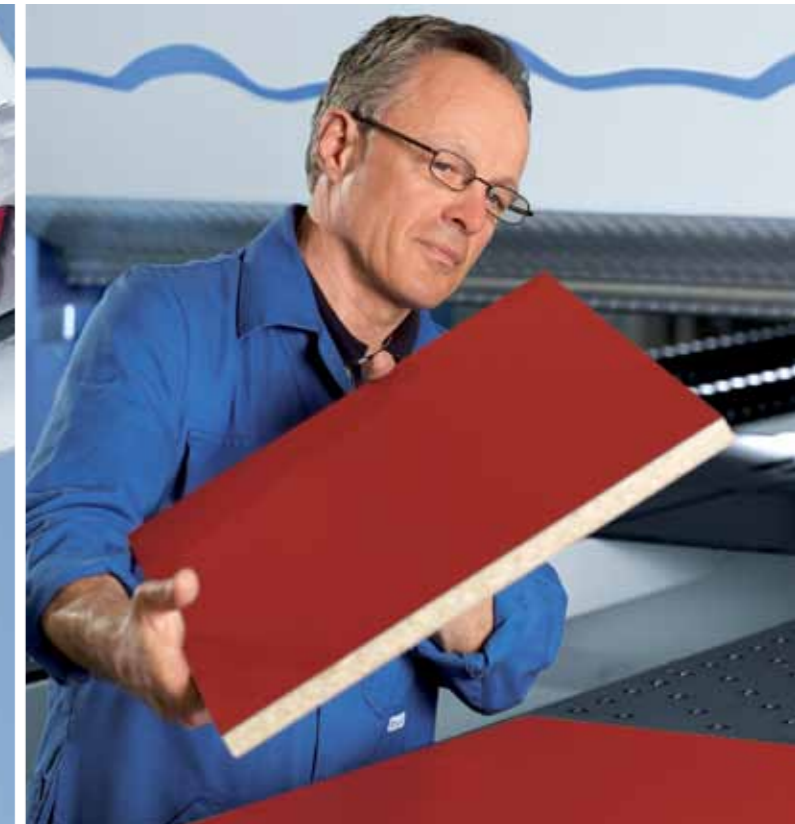
- Vibrating conveyor: cutting waste that falls through the waste flap is collected here **A**
- Waste chopper: this cuts waste into small pieces, facilitating automatic removal of the cuttings **B**
- Elevating conveyor belt for waste: transports the waste, for example, to a container **C**



 **Pneumatically operated trim stops**
Now in video 



 **Program-activated clamps**
Now in video 



Pneumatically operated trim stops

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

- Rugged
- Adjustable to common panel thicknesses
- Gentle handling of sensitive materials with overhanging laminates or veneers
- Precise positioning

Program-activated clamps

This option ensures panel edges are not damaged. Now also possible: clamp activation in "measuring" mode.

Patented: camera-controlled scoring saw adjustment

This allows the scoring saw to be adjusted fully automatically (manual adjustment is still possible if desired).

- Optimum measuring results: the camera selects the lighting color and the exposure time itself
- The simple adjustment takes no longer than a minute
- Adjustment accurate to one hundredth of a millimeter



Air jets throughout: the machine table
(standard feature for HKL 300)

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

Now with new dustEx technology

HOLZMA was one of the first manufacturers to introduce a machine table with air jets throughout. dustEx now offers the next leap forward.

New combination air jets, patent pending, located along the cutting line transport dust and chips specifically toward the right-angled fence. They are now picked

up here even more effectively thanks to the improved suction geometry.

Recommended: a front and rear dust-trap curtain rounds off the dustEx package (see page 32).

The perfect postforming cut

This option is available in two versions. Both include a scoring saw raised by a motor, complete with automatic adjustment.

**Version 1:
Ascending postforming**

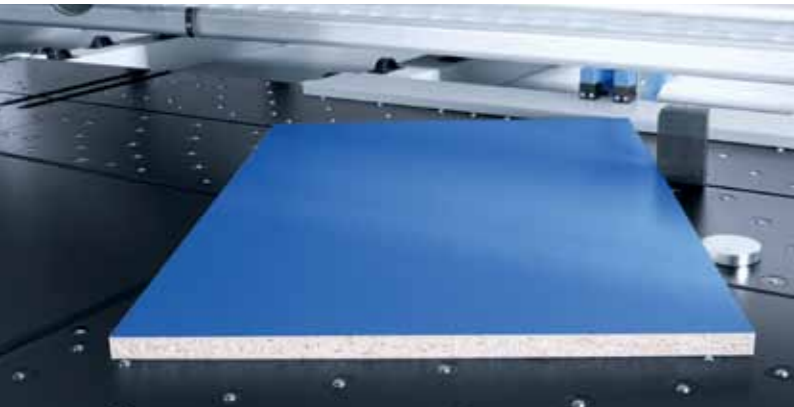
- Ascending vertical scoring saw (VSH)
- Ensures perfect cuts on softformed and postformed parts
- Maximum saw blade projection: 55 mm

**Version 2:
Ascending and vertical postforming**

- VSH as described in Version 1
- Vertical scoring saw (VVS) with a maximum saw blade projection of 90 mm
- Scores the edge of the entire book (scoring depth up to a maximum of 15 mm)
- Ideal for edges covered with veneer, paper, ABS etc.

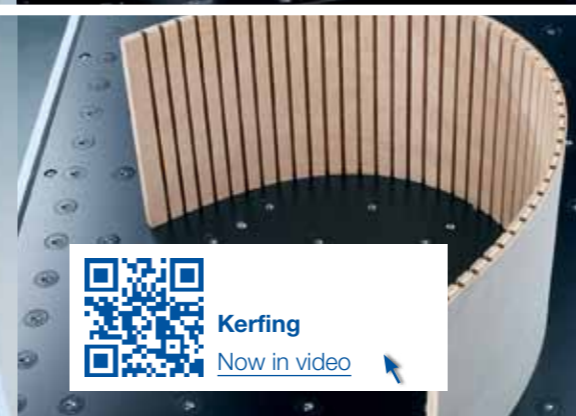
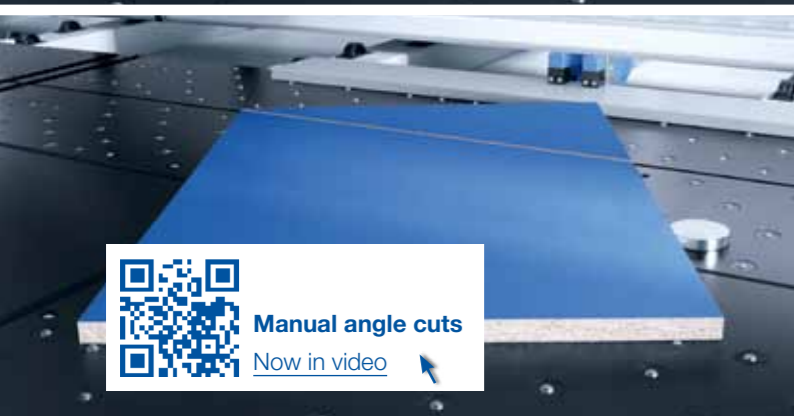
High-precision laser guide beam

- Especially for solid wood, veneered panels and other materials with grain structure
- Pinpoint positioning right down the line



Cut-out function
[Now in video](#)

Laser guide beam
[Now in video](#)



Stress-elimination cut
[Now in video](#)

Kerfing
[Now in video](#)

powerTouch
[Now in video](#)



Manual angle cuts

The angle cut device allows you to control angle cuts using the CADmatic control software.

Cut-outs and stress-elimination cut

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

Turbo-grooving

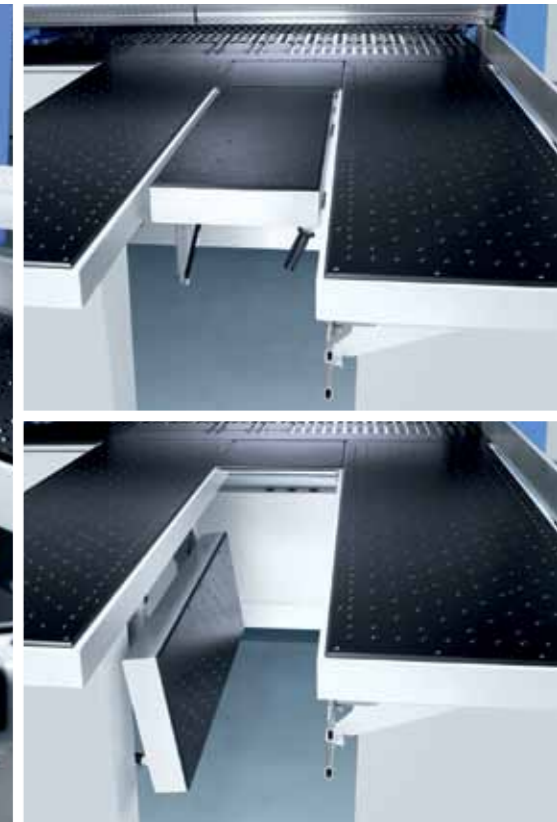
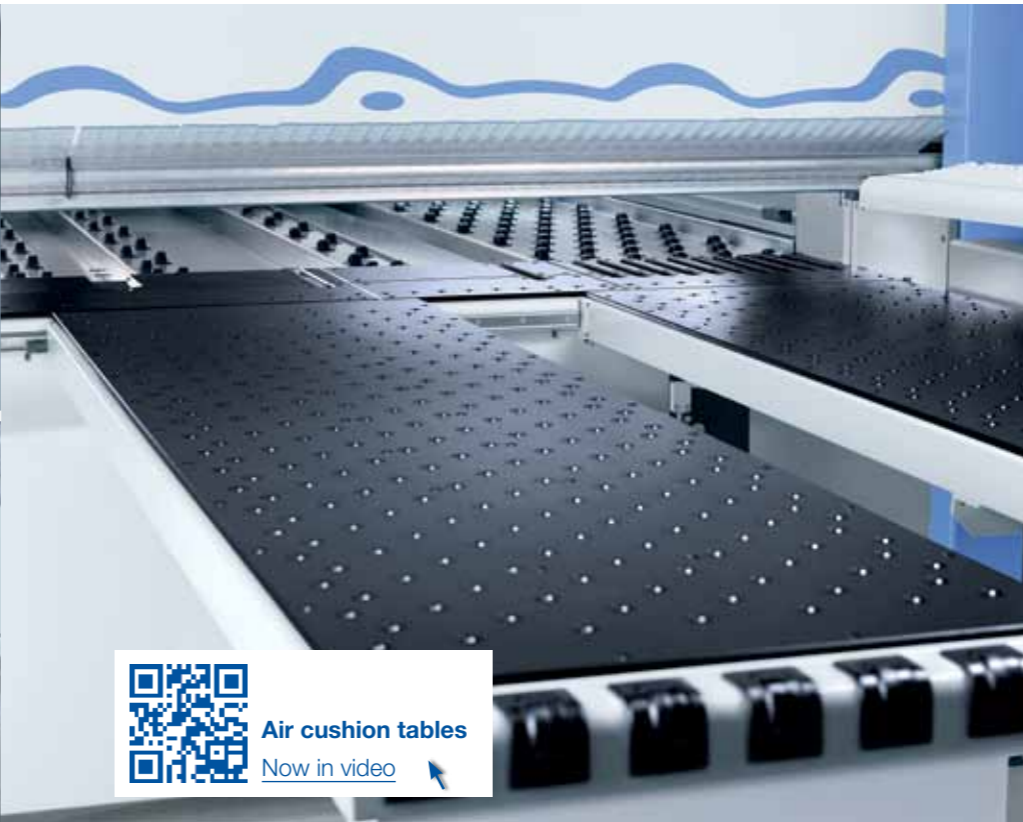
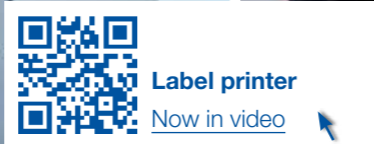
This option saves you an entire production step in subsequent machining. This is because your HOLZMA saw will also groove the panel material in both directions – all at top speed and much faster than a processing center could.

powerTouch

Intuitive machine control – simple, fast and clearly structured: this is what CADmatic 4.5 PROFESSIONAL stands for. The new operating system comes with the new widescreen monitor. This package goes under the name of powerTouch and is available as an option. It makes controlling the machine a real pleasure.

Additional start-stop button

- Allows the program sequence to be started independently of the control panel
- Equipped with an emergency stop button



Label printer

The HOLZMA label printer has everything to facilitate an efficient workflow. You can print customized labels directly at the saw and design them to include barcodes, text and graphics, if so desired. If you also use our Cut Rite optimization software, instructions for downstream CNC machining can also be included on the labels. In this way, you can integrate the saw perfectly in your production flow.

Swiveling label printer and parts buffer

The new HOLZMA parts buffer with swiveling label printer increases the efficiency of processes and optimizes handling. It provides an ergonomic buffering area for parts after cutting. Allowing the operator to work in a comfortable position, the integrated printer dispenses the right label for the right part at the right time.

Movable air cushion table

The movable 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 and large panels or books more ergonomically and with less risk of damage.

Longer air cushion tables

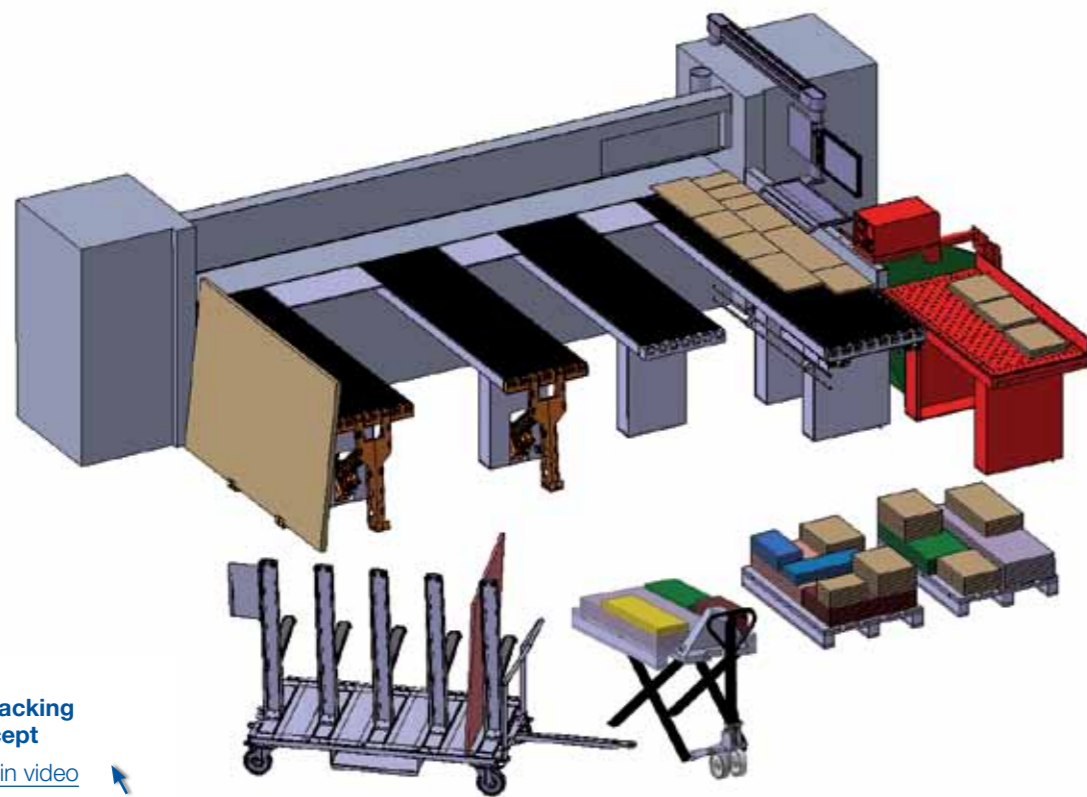
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- Length increased from 2 160 mm to 2 810 mm
- Greater freedom of movement
- Better connection to destacking systems
- Very useful when cutting large-format panels

Tiltable air cushion table

(Illustrations show the principle on a different model)

- Prevents thin materials from sagging
- Increases the work surface
- Primarily for large panels
- Folds down for easy access to the cutting line



Destacking concept

Now in video

Destacking concept

This software and hardware concept guides the operator intuitively, from depositing the first part to forming the perfectly stacked pallet. An LED display indicates, at the same time as the monitor, when a cut part is to be pushed onto, or removed from, the parts buffer. The system uses the parts buffer so intelligently that stack formation is greatly

improved. Even waste parts are put to good use. The advantage: the operator always knows which part he has to put where and when he must do it. Times and routes that do not add value are systematically reduced. The key components of the HOLZMA destacking concept:

- Destacking software as add-on module for CADmatic 4.1 PROFESSIONAL and CADmatic 4.5 PROFESSIONAL
- Label printing with destacking details – using the manual label printer (p. 28) or, as an optional feature for profiLine machines, the automatic label printer near the pressure beam (p. 35)
- Ergonomic parts buffer (p. 28)
- Pneumatically operated feeding and destacking aid mounted lengthwise on air cushion table
- And much more



Cutting pattern optimization in the office

HOLZMA increases output and efficiency in panel cutting with its proven optimization software Cut Rite.

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

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

Options packages

HOLZMA now offers the most important optional features in attractively priced equipment packages:

- Feeding package (HPL models)
- Grooving and cut-out package
- Labeling package
- Postforming package
- Cut Rite package PRACTICE
- Cut Rite package PROFESSIONAL

Saw carriage dynamics package

(Already included in the Premium package.) The saw carriage dynamics package gives you more power for production.

- 150 m/min saw carriage speed instead of the standard 130 m/min
- Spring-preloaded running wheels
- Blower unit for light sensor

Additional clamps

- For an even better grip on thin, narrow or smooth materials
- For increased material throughput

Higher performance due to automated feeding from the front

The automated feeding system Econolift achieves a significantly higher material throughput in a shorter time. The result: more efficiency with less manpower.

- Automated feeding from the front
- Can be retrofitted at any time

profiLine optional features

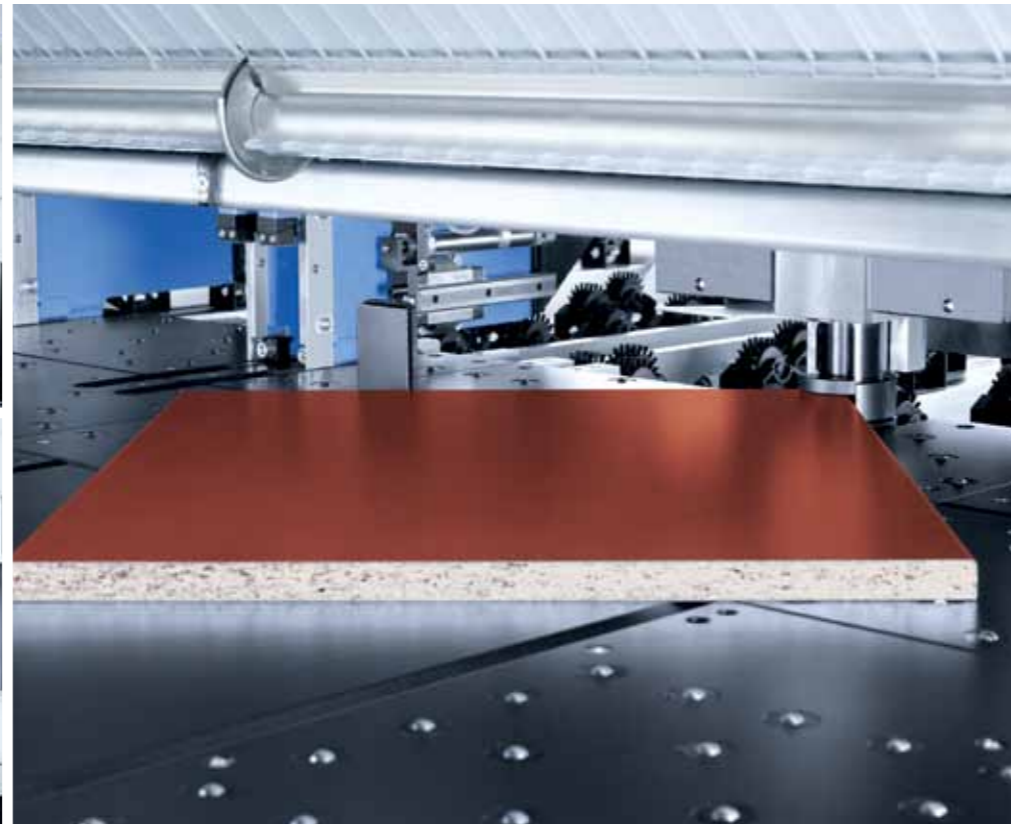
Optional features
HPP 300 profiLine | **HPL 300 profiLine** |
HKL 300 profiLine

The HOLZMA profiLine options are technological highlights. They promise maximum performance and custom solutions. These advanced options require an enhanced standard specification of the saw. HOLZMA completes the extra construction work involved for a comparatively low, one-off additional charge. Your saw is then ready and prepared for all the following profiLine options.



Dust-trap curtain on both sides

- Attached to the front and rear of the pressure beam. Dust-trap curtain only at the rear when combined with the pressure beam labeling system (page 35)
- Protects operators from dust
- Improves extraction
- Ideal for dust cuts



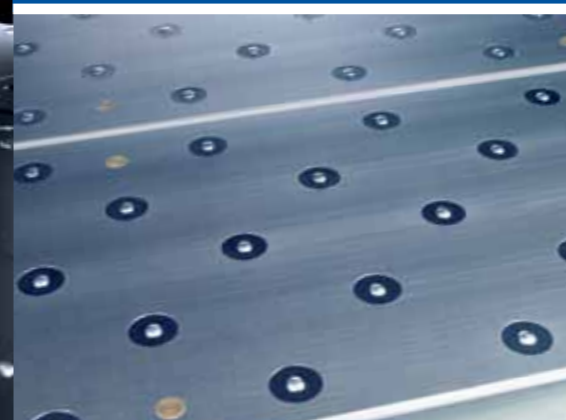
Automatic angle cut device

This technology completes angle cuts fully automatically, after you have entered the respective data in the CADmatic control.

Options packages

HOLZMA now offers the most important optional features in attractively priced equipment packages:

- Package for highly sensitive surfaces (HPP models)
- Angle cut package



Anodized aluminum machine bed plates

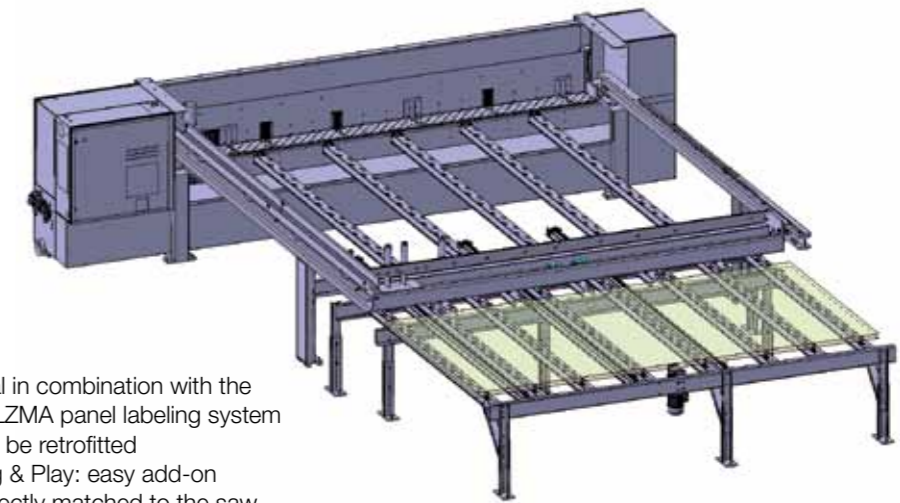
The special coating ensures exceptionally gentle material handling. Ideal for materials with highly sensitive surfaces. This option is also included in the "highly sensitive surfaces" package.



Ready for large-scale storage system integration

With this optional feature your HOLZMA saw is ready for connection to almost all storage systems. Perfectly matched machines and systems from the HOMAG Group ensure maximum performance. Take a look at the HOLZMA Handling brochure for more information.

Illustration shows the principle. No storage link-up (as illustrated)



Feed-stacking table with integrated infeed

When linked to a simple storage system, the saw has to stop working briefly when a new panel is fed. The new feed-stacking table ensures smooth, faster work-flows: while one panel is still being cut, the storage system can already deposit the next panel(s) on the feed-stacking table with integrated infeed.

- Ideal in combination with the HOLZMA panel labeling system
- Can be retrofitted
- Plug & Play: easy add-on
- Perfectly matched to the saw (height, width, roller rails)
- Virtually no more idle time
- Without alignment



Power Concept
 Now in video

Power Concept – for up to 40% higher output

The Power Concept allows you to cut strips with different cross cuts together. Power Concept achieves this by means of:

- An additional clamp which works independently
- Clamps on the program fence that can be raised out of the work area if necessary

- Re-sorting the strips directly at the saw, so that they are ideally matched to the Power Concept. This is based on existing optimization data for shortest machining times

The benefits:

- Up to 40% higher output
- Significantly shortened cutting cycles
- Significantly improved material flow
- High material throughput
- Lower costs per cut

- Attractively priced high-tech solution with minimum space requirement
- Precision cutting of even very narrow strips
- Simultaneous feeding and cutting without a separate infeed carriage: the Power Concept clamp positions the last strip at the cutting line while the program fence fetches the next panel or book of panels from the lift table (HPL)



Fully automatic labeling
 Now in video

Fully automatic labeling

The labeling system is located near the pressure beam, i.e. in your field of vision, and labels the finished parts/books – even when several strips are processed simultaneously side by side (Power Concept). It makes no difference whether you feed the panels from the front or the rear. If desired, the position of the label can be individually controlled.

- Suitable for panels, offcuts and finished parts
- Gives precise details of the destacking location
- Gives precise instructions for further processing
- Saves time
- Minimizes errors
- Guides the operator

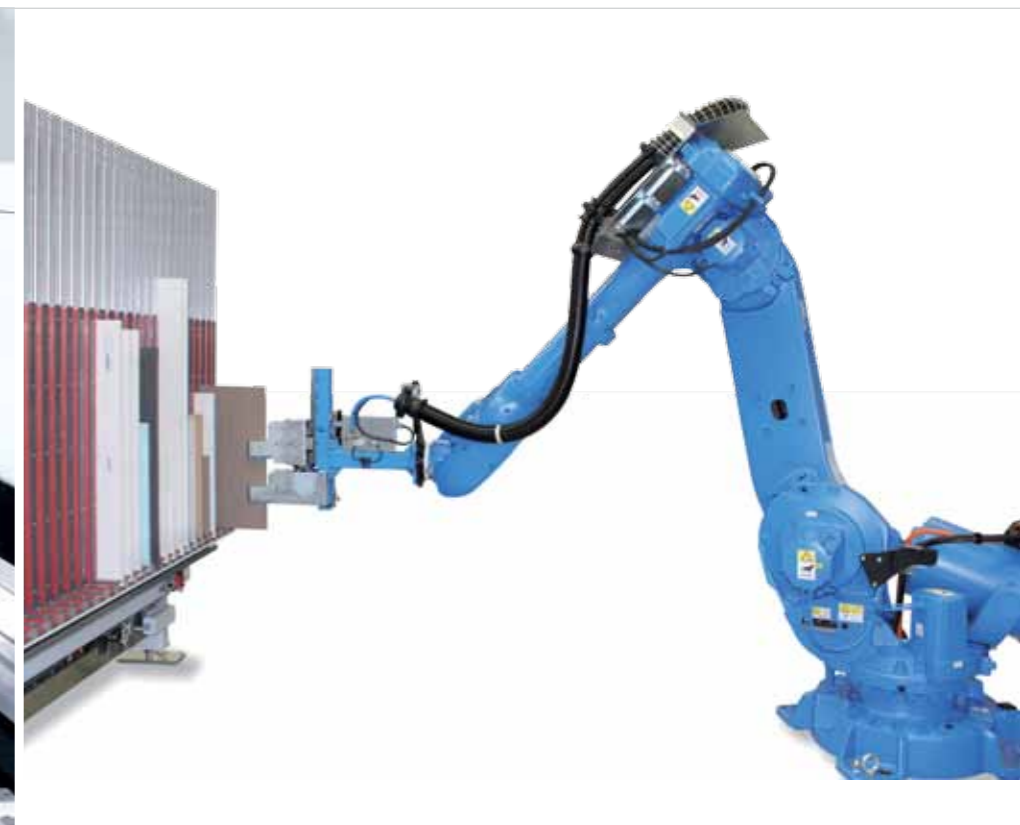
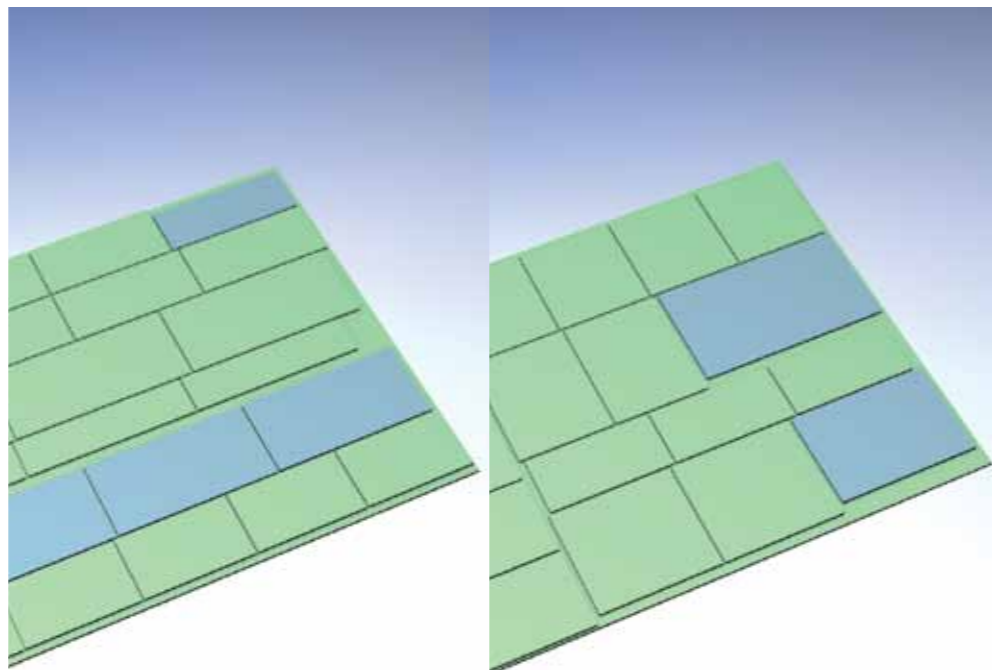


Soft Touch package for pressure-sensitive material

As the diversity of materials increases, so do the requirements: pressure-sensitive lightweight boards, composite boards and plastic sheets are steadily gaining in importance. HOLZMA has bundled the technologies to deal with these materials in the Soft Touch package. HOLZMA also offers equally innovative package solutions for scratch-sensitive material. Ask your HOLZMA advisor for more details.

profiLine optional features (HPL 300 / HKL 300)

Further profiLine options are available for the HPL 300 and the HKL 300. They can be individually combined to match your specific requirements, allowing you to get maximum performance from your HOLZMA saw.



Hold-back device

The micro-infeed **A** can be combined with the hold-back device **B** for thin panels from a thickness of 3 mm upwards.

combiTec

(only HKL 300 profiLine)

With the recuts option combiTec, the HKL 300 profiLine is now ready for batch size 1 production on an industrial scale. This innovation deals with the majority of recuts automatically during the ongoing cutting process, even when complex cutting patterns are involved.

- Proven HOLZMA know-how for optimization and simulation

- Reduced material costs due to less waste
- No manual reworking
- Low power consumption as the volume of material removed by cutting is significantly smaller than that removed by routing and requires less extraction power
- High speed
- Low unit and tool costs
- Excellent price/performance ratio

Automatic push-out fence

- Pushes panel remnants from the rear machine table across the cutting line to the front
- You no longer need to reach into the cutting area
- Ergonomic

New: robot handling of offcuts

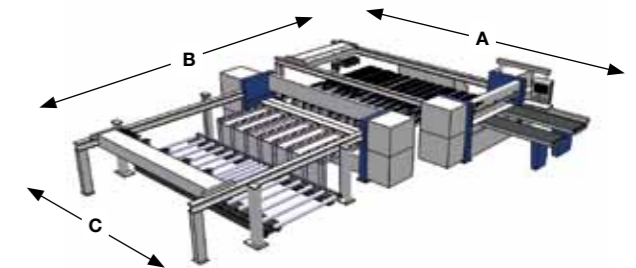
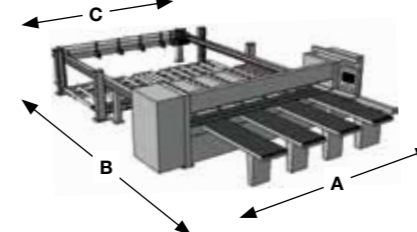
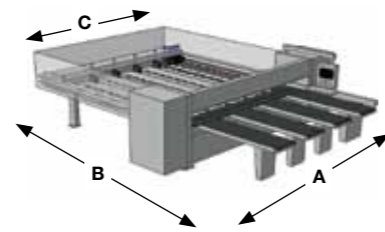
The new saw-robot combination from HOLZMA and LIGMATECH maximizes efficiency in offcuts handling. The principle: a custom-designed robot with a 6-axis articulated arm is positioned directly next to the saw. It automatically fetches all the offcuts from a separate buffer table,

stores them in a space-saving vertical shelving system with up to 500 slots – and retrieves them, again fully automatically, when they are needed. That saves any amount of time, creates order and optimizes material yield.

The HOLZMA 3 series at a glance

Technical data
HPP 300 | HPL 300 | HKL 300

Size, performance, features: the most important technical data for the 3 series can be seen here at a glance. If you would like to know more, please don't hesitate to ask. Your HOLZMA sales consultant will be pleased to give you detailed information.



Technical data*	HPP 300	HPL 300	HKL 300
Saw blade projection	80 mm (95 mm as option) 3.2" (3.8" as option)	80 mm (95 mm as option) 3.2" (3.8" as option)	80 mm (95 mm as option) 3.2" (3.8" as option)
Cutting length, cutting width	3200/3800/4300/5600***** mm 126"/150"/170"/220.5"	3200/3800/4300/5600***** mm 126"/150"/170"/220.5"	rip saw: 3200/4300/5600 mm 126"/170"/220.5" cross cut saw: 2200 mm (2100 mm*****) 86.6" (82.7*****) 2200 mm 86.6"
Lift table width	-	2200 mm 86.6"	2200 mm 86.6"
Program fence speed **	90 m/min 295 ft/min	90 m/min 295 ft/min	rip saw: 90 m/min 295 ft/min, cross cut saw: 140 m/min 459.2 ft/min
Saw carriage speed	up to 130 m/min (150 m/min as option) up to 426.4 ft/min (492 ft/min as option)	up to 130 m/min (150 m/min as option) up to 426.4 ft/min (492 ft/min as option)	up to 130 m/min (150 m/min as option) up to 426.4 ft/min (492 ft/min as option)
Main saw motor	11 kW (13.5 or 18 kW as option) 15 HP (18.4 or 24.5 HP as option)	11 kW (13.5 or 18 kW as option) 15 HP (18.4 or 24.5 HP as option)	11 kW (13.5 or 18 kW as option) 15 HP (18.4 or 24.5 HP as option)
Scoring saw motor	1.5 kW (2.2 kW as option) 2 HP (3 HP as option)	1.5 kW (2.2 kW as option) 2 HP (3 HP as option)	1.5 kW (2.2 kW as option) 2 HP (3 HP as option)
Average total air requirement	140 NI/min 4.94 cfm	200 NI/min 7.06 cfm	450 NI/min 15.89 cfm
Compressed air requirement	6 bar 87 psi	6 bar 87 psi	6 bar 87 psi
Dust extraction	3800 m³/h (5230 m³/h****), 26 m/sec 2236.3 cfm (3077.9 cfm), 85.3 ft/sec	3800 m³/h (5230 m³/h****), 26 m/sec 2236.3 cfm (3077.9 cfm), 85.3 ft/sec	6600 m³/h (9030 m³/h****), 26 m/sec 3848.1 cfm (5314.2 cfm ****), 85.3 ft/sec
Max. stack height without pit	-	560 mm 22"	560 mm 22"
Max. stack weight	-	4t (5600 mm cutting length: 7t) 8816 lbs (220.5" cutting length: 15428 lbs)	4t (5600 mm cutting length: 7t) 8816 lbs (220.5" cutting length: 15428 lbs)
Working height	920 mm 36.2"	920 mm 36.2"	920 mm 36.2"
Air cushion tables	3/4/5 x 2160 mm 3/4/5 x 85"	3/4/5 x 2160 mm 3/4/5 x 85"	2 x 2160 mm 2 x 85"

* Values relate to the standard version
** In EU countries, Switzerland and Liechtenstein, forward speed is restricted to 25 m/min
*** Dim. A: incl. 64 mm for extraction connection, Dim. C: standard program fence width, there are wider dimensions for the lift table with HPL and HKL machines
**** For the 5600 mm cutting length
***** Only right-handed version
***** Maximum width that can be aligned

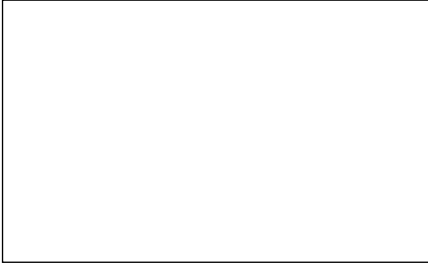
Machine dimensions***			
HPP 300	A	B	C
HPP 300/32/32	5364 mm 211.2"	6543 mm 257.6"	3709 mm 146"
HPP 300/38/32	5924 mm 233.2"	6543 mm 257.6"	4269 mm 168"
HPP 300/38/38	5924 mm 233.2"	7143 mm 281.2"	4269 mm 168"
HPP 300/43/32	6514 mm 256.5"	6543 mm 257.6"	4859 mm 168"
HPP 300/43/43	6514 mm 256.5"	7693 mm 302.9"	4859 mm 168"
HPP 300/56/56	7864 mm 309.6"	9043 mm 356.0"	6209 mm 244.5"

Machine dimensions***			
HPL 300	A	B	C
HPL 300/32/22	5364 mm 211.2"	9963 mm 392.2"	3636 mm 143.2"
HPL 300/38/22	5924 mm 233.2"	9963 mm 392.2"	4196 mm 165.2"
HPL 300/43/22	6514 mm 256.5"	9963 mm 392.2"	4786 mm 188.4"
HPL 300/56/22	7864 mm 309.6"	11413 mm 450"	6136 mm 241.6"

Machine dimensions***			
HKL 300	A	B	C
HKL 300/32/22	8020 mm 315.7"	11760 mm 463"	3636 mm 143.2"
HKL 300/43/22	9170 mm 361"	11760 mm 463"	4786 mm 188.4"
HKL 300/56/22	10520 mm 414.2"	11760 mm 463"	6136 mm 241.6"

All dimensions subject to change

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