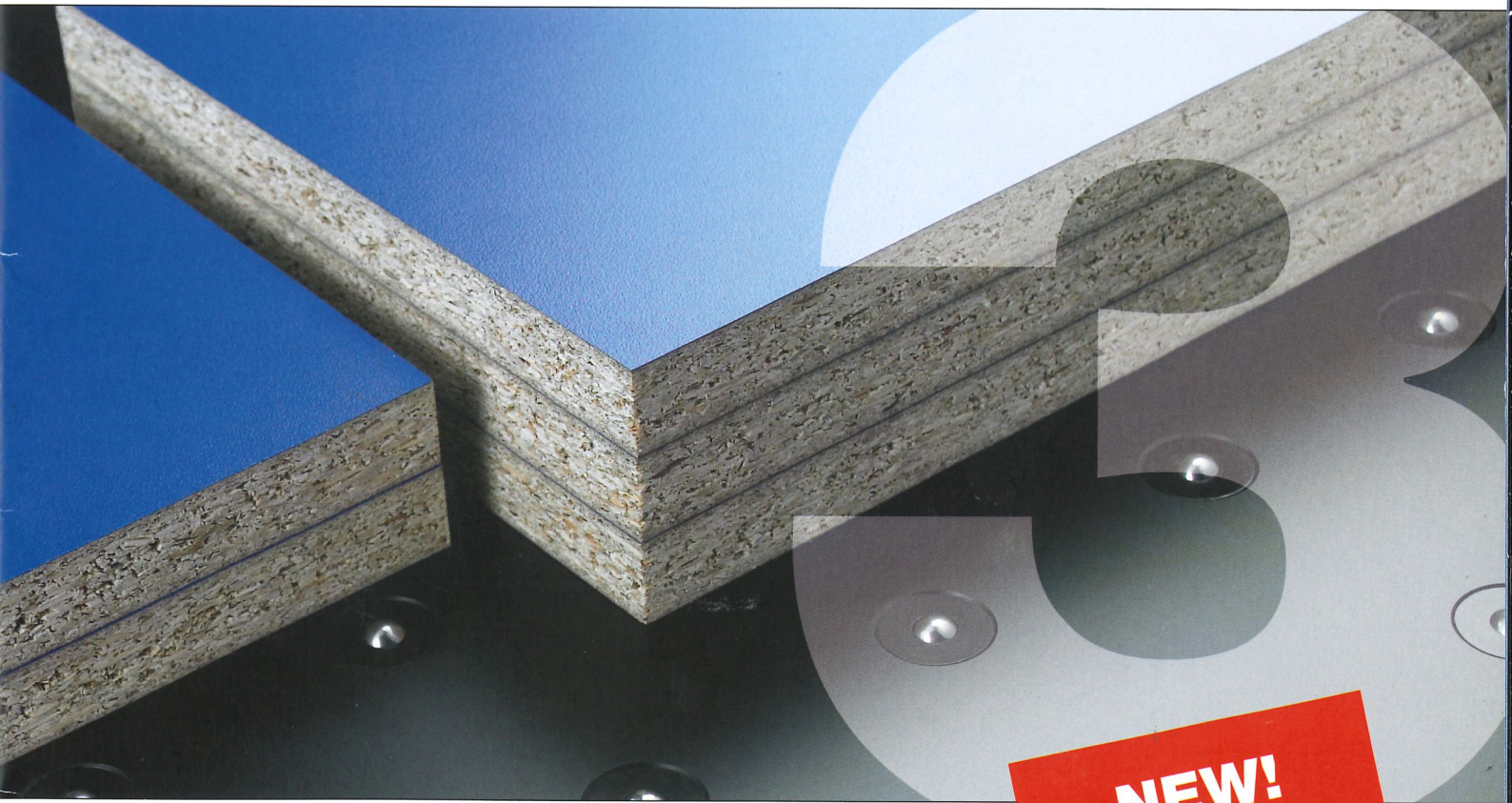


## Performance Tailored to Your Needs



# The 3 series from HOLZMA – Efficiency meets performance

Whether woodworking shops or industry: the right degree of technology and convenience is the key factor for successful panel-sizing operations. That's why the 3 series will in future range from the compact single saw to the professional angular system. This way you can be sure of finding the right solution for your production requirements – ideally matched for size, performance and quality. The HPP and HPL models of the new 3 series are already available. The HKL models will follow in the near future.



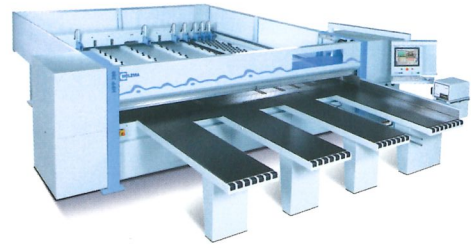
## New highlights in the standard version

- designed for smooth material flow and precise logistics
- for holistic production processes
- ecoLine technologies:
  - even higher energy savings
  - further increase in cutting 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
- a window at the height of the pressure beam allows the rear part of the machine to be in clear view
- air tables and machine tables with air jets throughout
- first air table 800 mm wide

## Contents

The HPP models	4
The HPL models	6
Standard features	8
Optional extras	14
profiLine optional extras (HPP/HPL 380)	24
Optional extras specifically for the HPL 380 profiLine	28
Technical data	30

## The HPP models



The HPP 350 and HPP 380 are two compact, powerful single saws which provide exceptional versatility. The HPP 350 is the perfect solution for expanding woodworking shops or companies with small to medium-sized batches. The larger HPP 380 is even more powerful thanks to its higher saw blade projection.

### Highlights at a glance

- 80 mm saw blade projection for the HPP 350 and 95 mm for the HPP 380
- ergonomic table height of 920 mm
- easy operation
- reliable and efficient
- also available: HPP 380 profiLine – with even more optional extras

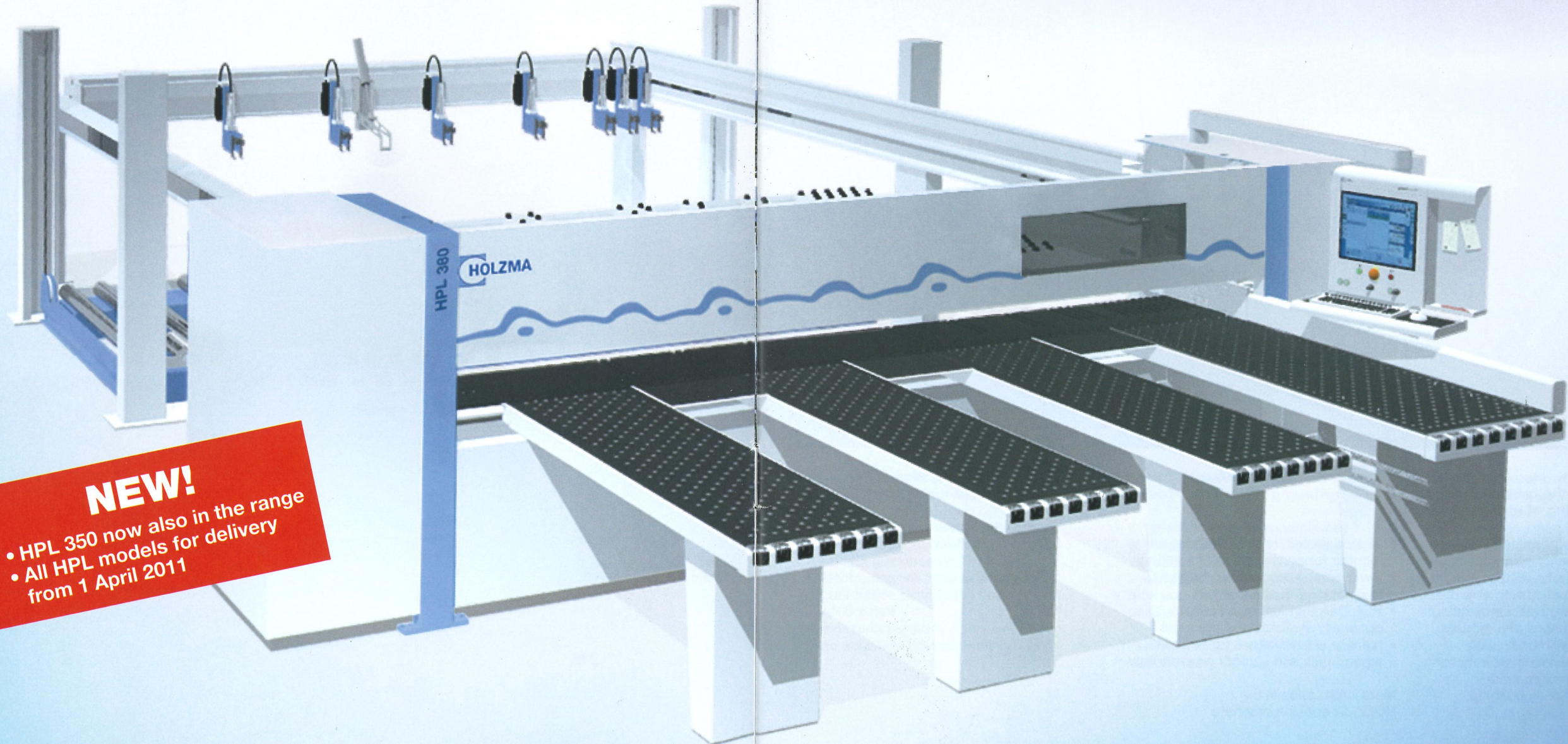


# The HPL models

The HPL models from HOLZMA set you up for big jobs. These panel saws offer the convincing addition of an integrated lift table for automatic feeding, allowing you to speed up your production significantly and thus boost output.

## Highlights at a glance

- 80 mm saw blade projection for the HPL 350 and 95 mm for the HPL 380
- ergonomic table height of 920 mm
- easy operation
- reliable and efficient
- also available: HPL 380 profilLine – with even more optional extras



**NEW!**

- HPL 350 now also in the range
- All HPL models for delivery from 1 April 2011

# Standard features

You think ahead. So does HOLZMA. This is clearly reflected in the standard features. Why not benefit from state-of-the-art, high-precision technology.

**Save 20% more on energy**

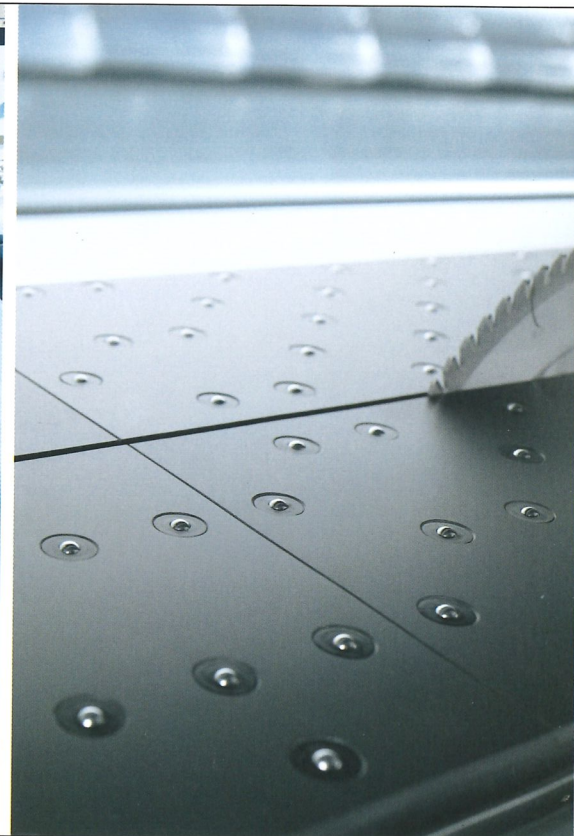
than previously – with the new models of the 3 series. Tip: before purchasing, check government funding opportunities.



## **ecoLine: state-of-the-art technology for an energy saving of at least 20%**

- standby button (standard feature) puts the saw into an energy-saving standby mode at the touch of a button
- all new models supplied with new motors with EFF1 energy efficiency rating
- speed control by means of a modern bypass circuit for all models with frequency-controlled main saw motor
- intelligent optional extra: load-dependent control of air cushion
- all models with HOLZMA energy monitor for consumption monitoring
- lower energy requirement thanks to optimised dust extraction
- HOLZMA thin-kerf saw blades optionally available upon request
- numerous innovations for improved ergonomics and smooth process flow

More information in the HOLZMA ecoLine brochure



Picture illustrates the principle

**Program fence: precision and dimensional accuracy**

- resistant to torsion and bending
- electronically controlled
- perfect 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 cutting quality**

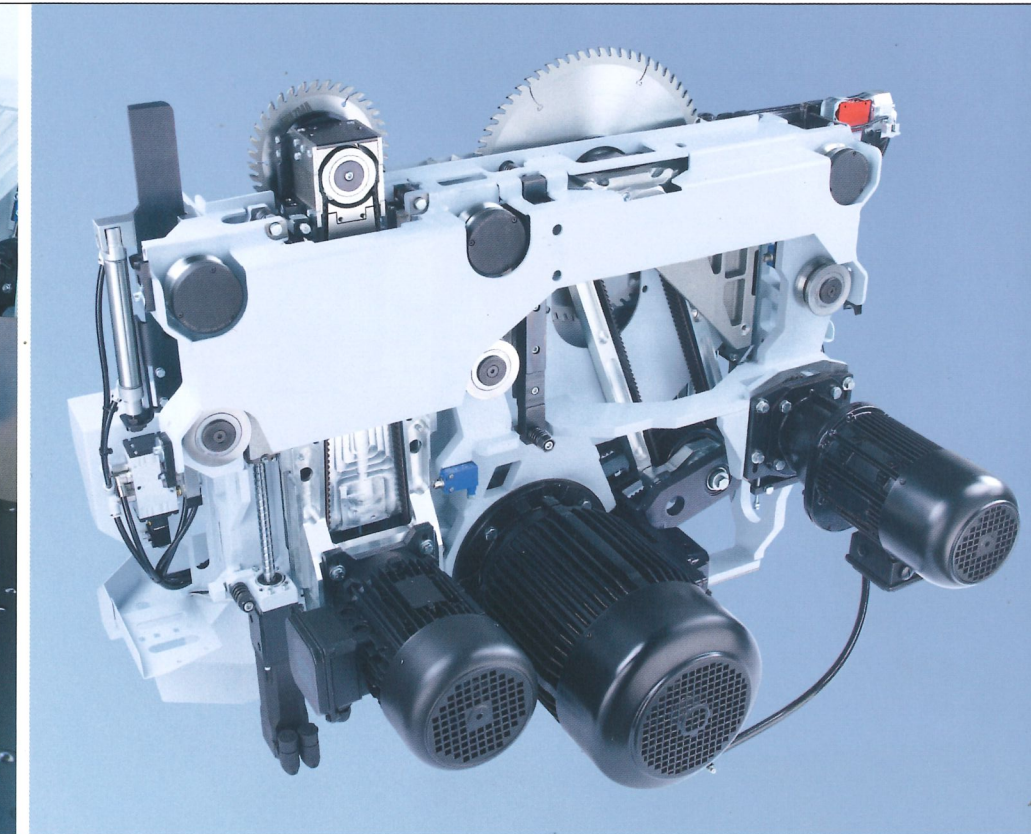
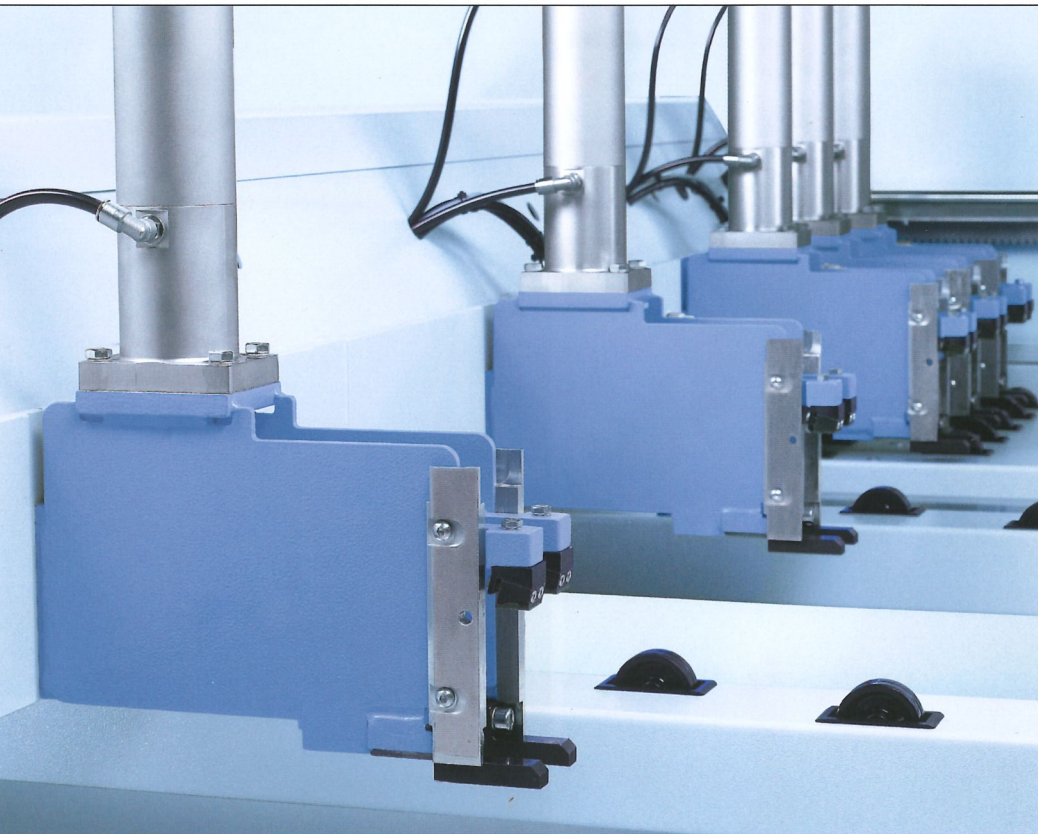
- large-area pressure zone directly at the cutting line reduces material vibrations to a minimum
- linear guide on both sides
- rack and pinion ensure the necessary parallel adjustment

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

**Air jets throughout as standard: the machine table**

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

# Standard features



## 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 contact 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 throat depth and ensures material is held firmly
- designed for continuous, multi-shift operation

## HOLZMA patent: central aligning 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 – to match the panel thickness. This allows even thin panels, 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

## Newly designed saw carriage

Exceptionally smooth running, high precision and lower power consumption are key features of the new saw carriage of the 3 series.

- developed especially for the 3 series
- torsion-resistant, rugged and resilient basic construction of the steel plate body for maximum dynamics and precision
- infinitely variable saw carriage 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 drive for the main saw blade
- Power-Loc system: fast and easy saw blade change
- spring-loaded wheels always in perfect contact with the guides
- light sensor with blow-cleaner
- fully-automatic, camera-controlled scoring saw adjustment (option)
- reduced air requirement
- excellent dust extraction thanks to innovative design of the saw carriage

# Standard features



## Control made to measure – CADmatic 4 PROFESSIONAL

Developed with the needs of different user groups in mind and individually configurable, the CADmatic control software provides optimised machine cycles.

- intuitive, easy-to-understand operating software
- 3D, real-time moving graphics
- 19" TFT flat screen monitor with touch screen
- online diagnostics
- improved navigation due to permanent access to all functions
- improved design for even easier operation

## Handy flap for cleaning

Quick and convenient: the area under the saw carriage is easily accessible via flaps, allowing easy removal or vacuuming of waste, if necessary.





Picture illustrates the principle



Picture illustrates the principle

**Powerful feeding system**  
(only HPL models)

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. Together with the optional extras micro-infeed and hold-back device, suitable for materials from 3 mm upwards
- maintenance-free and no lubrication required

**Separate backing wall**  
(only HPL models)

- 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

# Optional extras

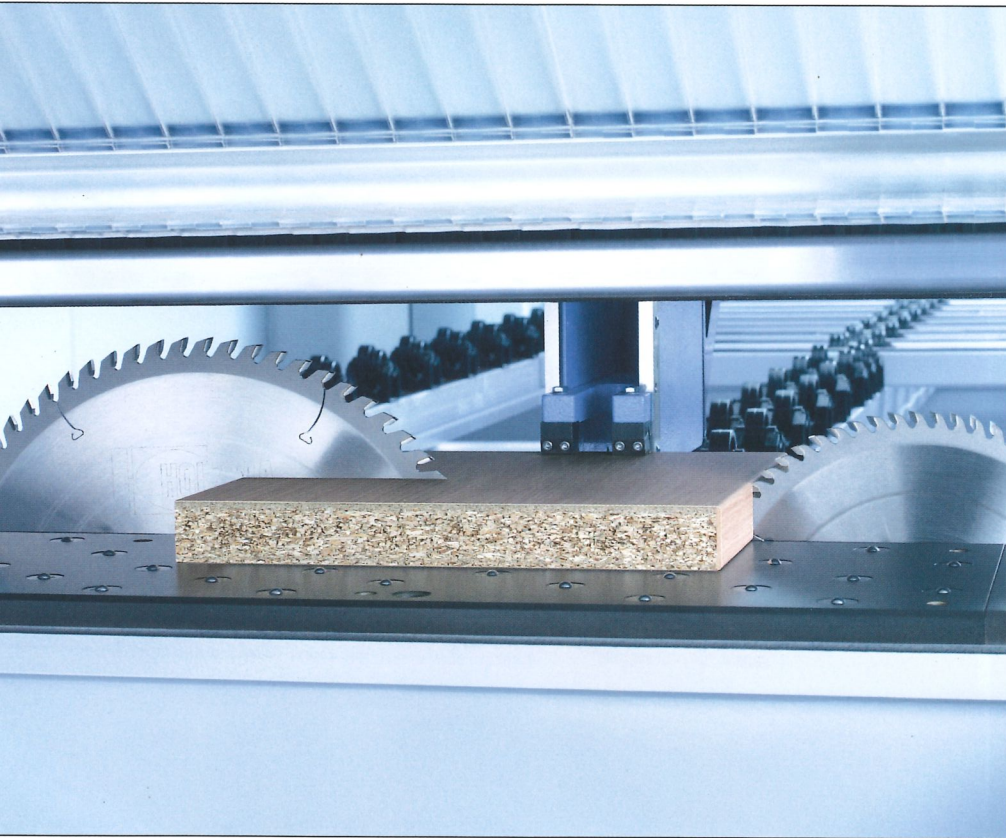
Specially tailored options allow you to customise your HOLZMA saw to match your production process.



## **Pneumatic trim stops**

The trim stops are fitted to the clamps and are activated when needed by the CADmatic machine control.

- rugged
- adjustable to popular panel thicknesses
- gentle processing of sensitive materials with overhanging laminate or veneer
- precise positioning



### **The perfect postforming cut**

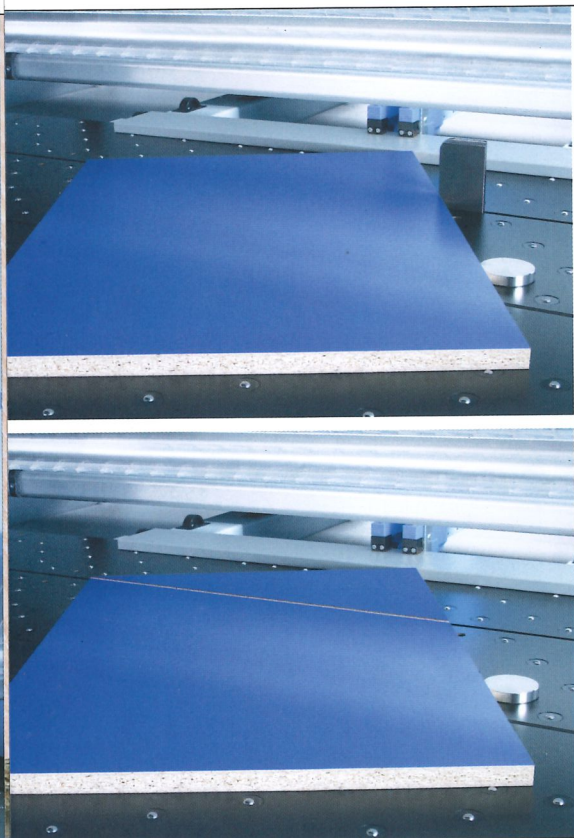
#### **Version 1: ascending postforming saw**

- ensures perfect cuts on softformed and postformed parts
- maximum saw blade projection: 55 mm

#### **Version 2: vertical postforming saw**

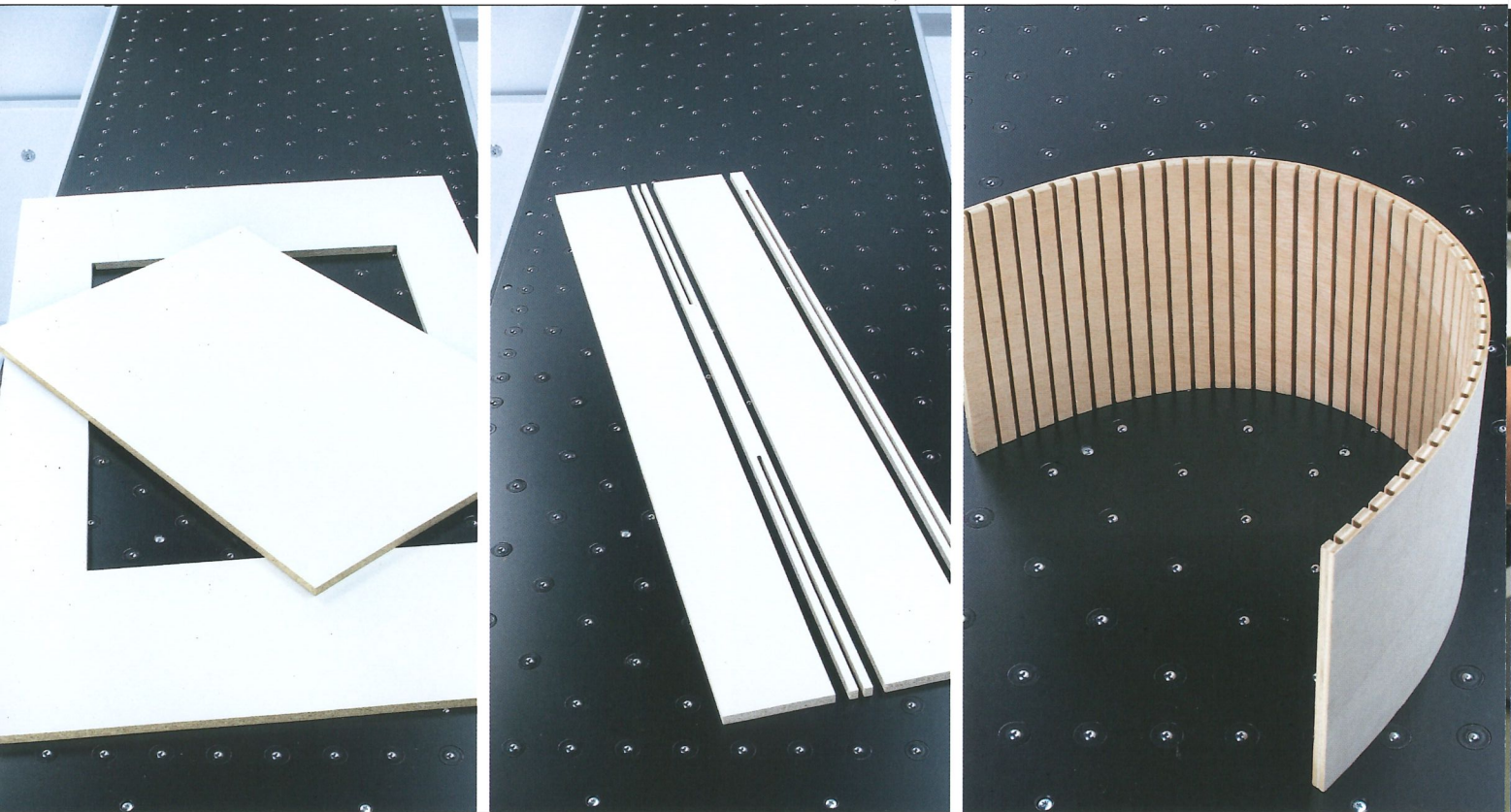
- maximum saw blade projection: 90 mm
- scores the edge of the entire book (scoring depth up to a maximum of 15 mm)
- ideal for edges with veneer, paper, ABS etc.

## Optional extras



### Manual angle cuts

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



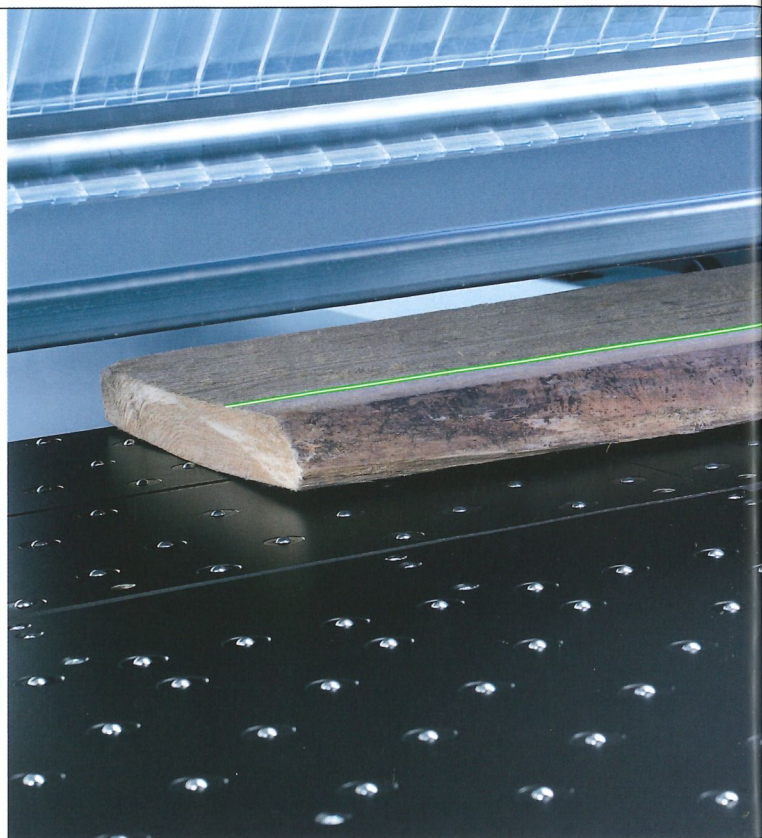
### **Cut-out and stress-release cut**

At the moment material is cut, tension in the material is released and can affect the quality of dimensions and cuts. HOLZMA's stress release cut option remedies this. Systematic preliminary cuts can be defined during optimisation 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.

### **Kerfing**

The "turbo-grooving" 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 centre could.

# Optional extras

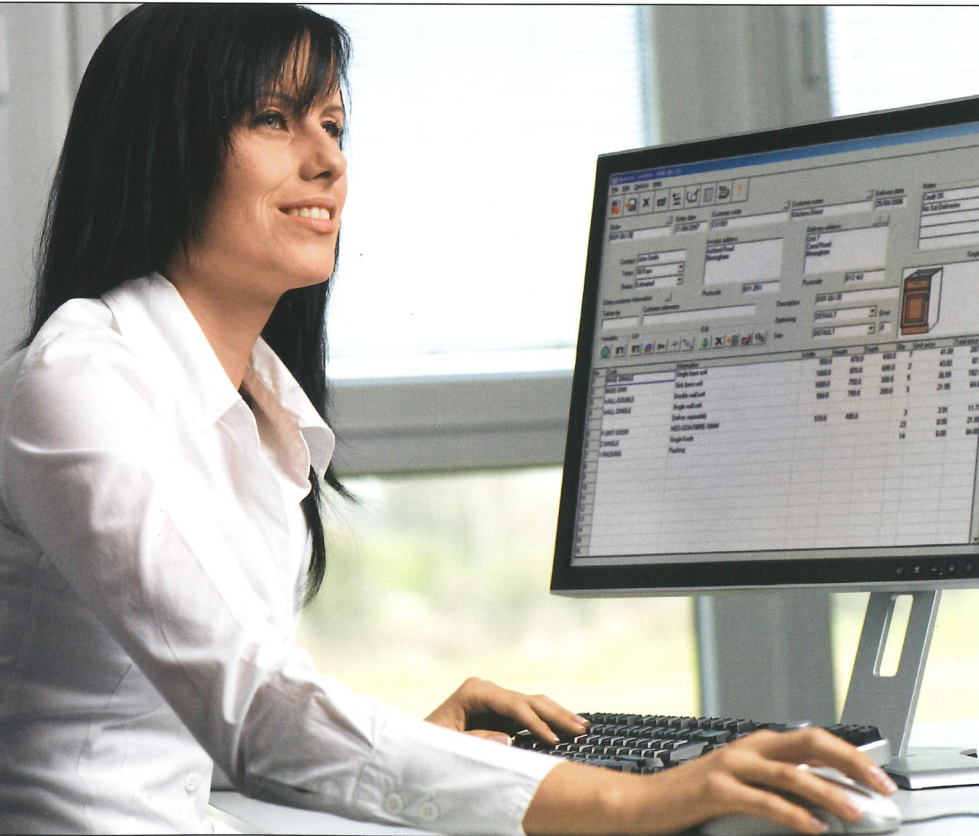


## Sliding label printer

The HOLZMA label printer has everything to facilitate an efficient workflow. It dispenses the right label for the right part at the right time. With barcodes, text or even graphics, depending on your needs. If, in addition, you use our Cut Rite optimisation software, instructions for downstream CNC machining can also be included on the labels. Cut Rite also allows connection to ERP/PPC systems. In this way, you can integrate the saw perfectly in your production flow.

## High-precision laser guide beam

- especially for solid wood, veneered panels and other materials with grain structure
- pinpoint positioning across the board



### **Cut optimisation in the office**

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

- optimised project control
- efficient cutting processes
- full control of costs
- faster calculations

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



### **Practical, mobile operation with radio remote control**

- ergonomic and efficient
- wireless operating comfort
- controls functions such as ...
  - ... starting the cutting process
  - ... opening the clamps and moving the saw to its home position
  - ... switching the air table air jets on/off
  - ... moving the program fence

# Optional extras

Picture illustrates principle on an HPP 250

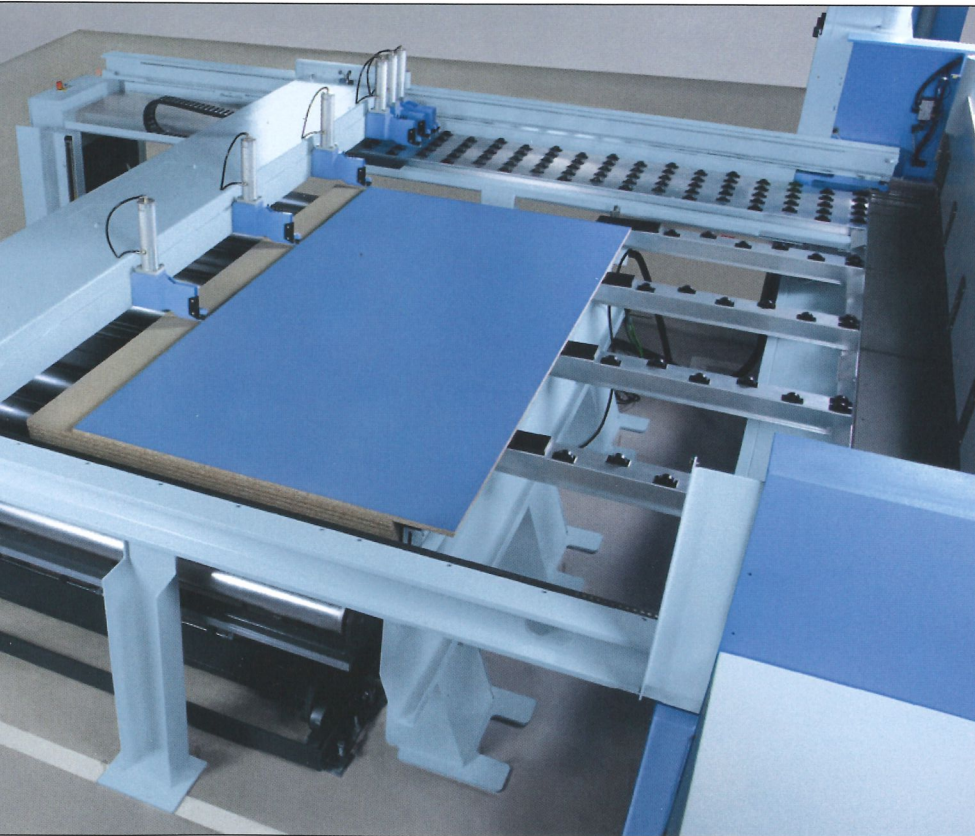


## **Easy2Feed** (only HPP models)

Automatic feeding at a low price is what Easy2Feed promises to deliver. This optional extra saves time and space, is particularly ergonomic and is retrofittable at any time for the HPP models of the new 3 series. The core element is a compact scissor lift table which can be comfortably loaded by fork-lift truck.

- available for the HPP 350 and HPP 380
- for 3 800 and 4 300 mm cutting lengths
- panels from a thickness of 9.5 mm can be fed
- maximum panel size: 3 100 x 2 200 mm
- stack height 460 mm (standard version)
- lift table standing in pit, if desired
- roller conveyor at the side for material that can be pushed off, available as an option





### **Options packages**

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

- performance package
- feeding package (HPL models)
- package for sensitive surfaces (HPP models)
- angle cut package
- handling package
- grooving and cut-out package
- labelling package, for manual or alternatively automatic operation
- Cut Rite package PRACTICE
- Cut Rite package PROFESSIONAL

### **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
- retrofittable at any time

### **Additional clamps**

- for an even better grip on thin, narrow or smooth materials
- for higher material throughput

### **Longer air tables**

- 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

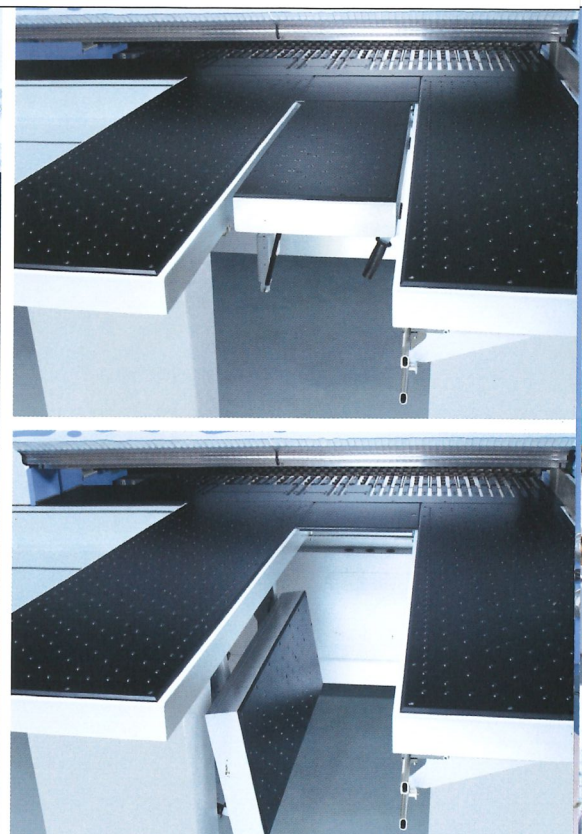
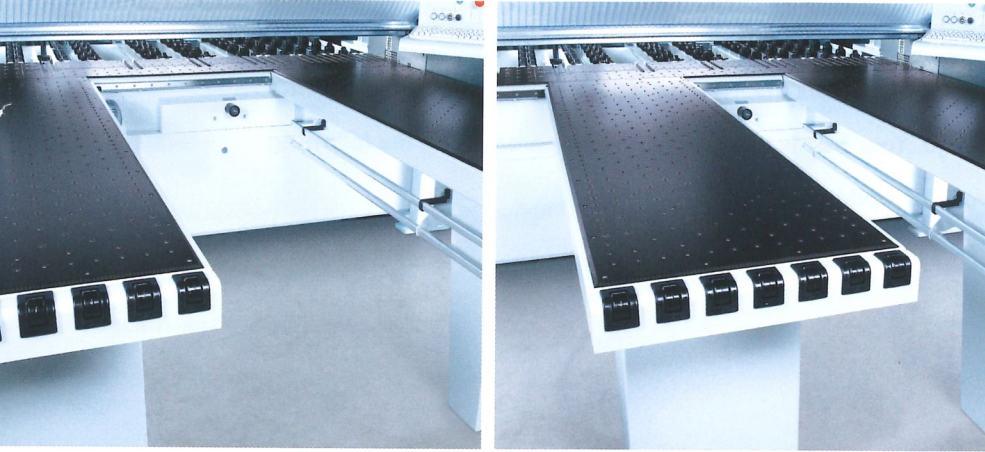
# Optional extras



## Low-cost storage link-up

HOLZMA offers low-cost feeding solutions for the single saws of the new 3 series, complete with storage link-up.

- 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-sizing saws
- perfect handling – even with just one machine operator
- easy, ergonomic operation
- storage system controls the saw
- more information, for example about combination with the BARGSTEDT TLF 400 storage system, can be found in the HOLZMA Handling brochure



### **Movable air table**

The movable air table is easily moved along linear guides and offers you a mobile work and support surface. It enables you to move small and big panels or books more ergonomically and with less risk of damage.

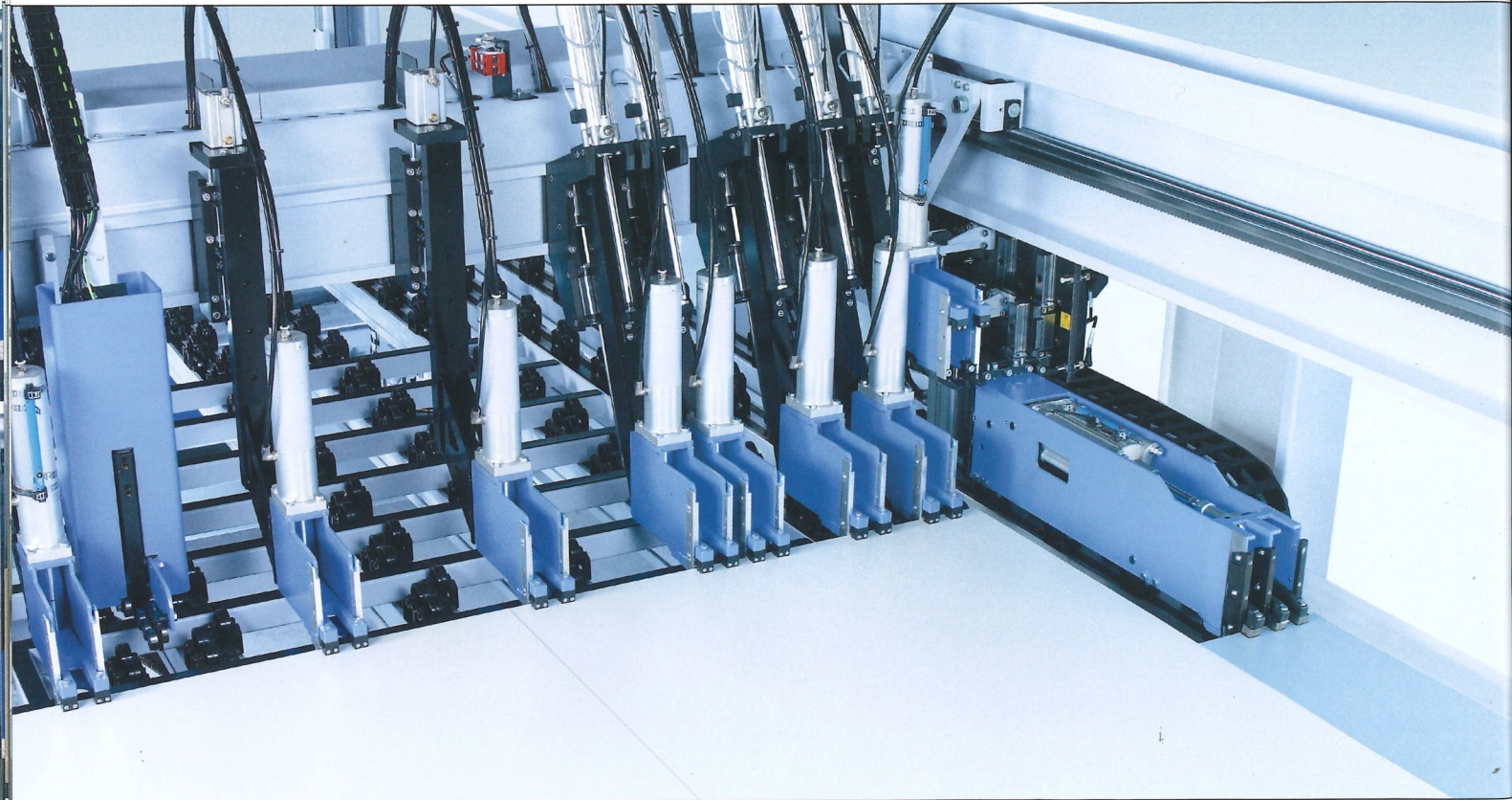
### **Tiltable air table**

(Pictures illustrate 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

# profiLine optional extras (HPP/HPL 380)

The HOLZMA profiLine options are technological highlights. They are available for the HPP 380 and the HPL 380, promising 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.



## **Power Concept – up to 40% higher output**

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

- an additional clamp which works independently
- clamps on the program fence which can be raised out of the work area if necessary

- re-sorting the strips directly at the saw so that they are perfectly suited to the Power Concept. This is based on existing optimisation data for shortest machining times

The advantages:

- up to 40% higher output
- significantly shorter cutting cycles
- significantly improved material flow
- high material throughput
- lower costs per cut

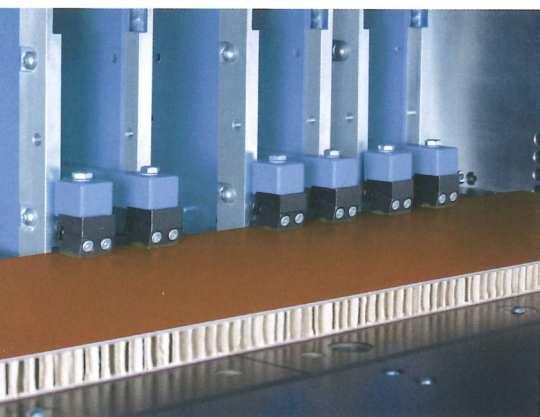
- attractively priced high-tech solution with minimum space requirement
- precision cutting of even very narrow strips
- simultaneous feeding and cutting without a separate infeed carriage: the Power Concept clamp positions the last strip at the cutting line while the program fence fetches the next panel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

### Program-activated clamps

This option prevents damage to panel edges.

### XXL cutting length

HPP 380 profiLine and HPL 380 profiLine are also available with a cutting length of 5600 mm



### 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 packed the technologies to deal with these materials into the Soft Touch package. HOLZMA also offers equally innovative package solutions for scratch-sensitive material. Ask your HOLZMA advisor for more details.

### Fully automatic labelling

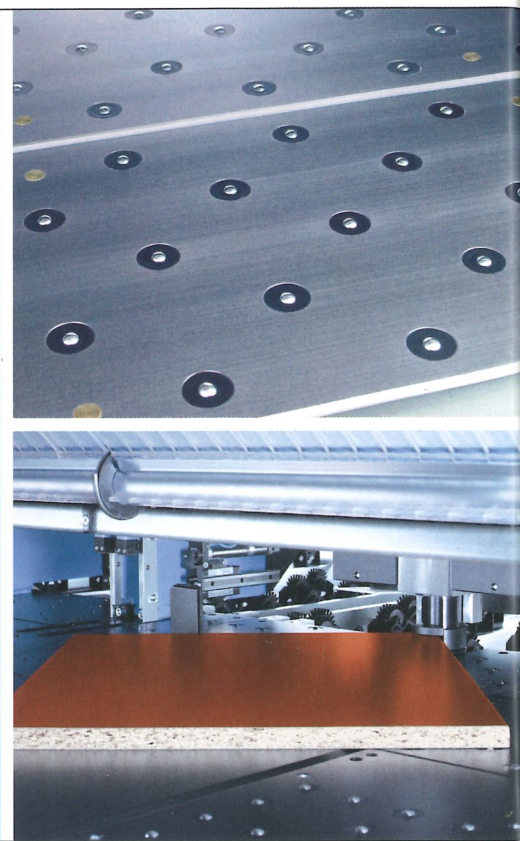
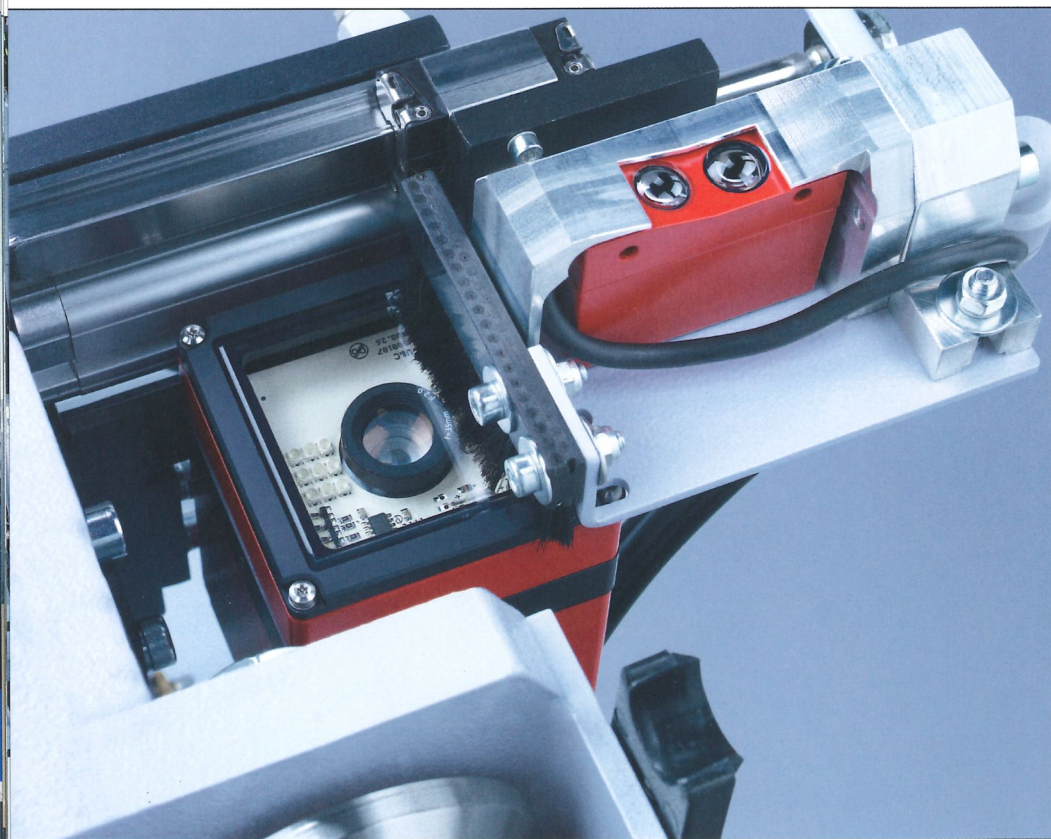
The printer is located close to the pressure beam, i.e. in your field of vision, and labels the finished parts or books – also when several strips are cut simultaneously side by side (Power Concept). It makes no difference whether you feed the panels from the front or the rear.

- suitable for panels, offcuts and finished parts
- gives precise details of the destacking location
- gives precise instructions for further processing
- saves time
- eliminates errors
- guides the operator

# profiLine optional extras (HPP/HPL 380)

## Anodised aluminium machine bed plates

The special coating ensures extremely gentle material handling. Ideal for materials with highly sensitive surfaces. This option is also included as part of the "highly sensitive surfaces" package.



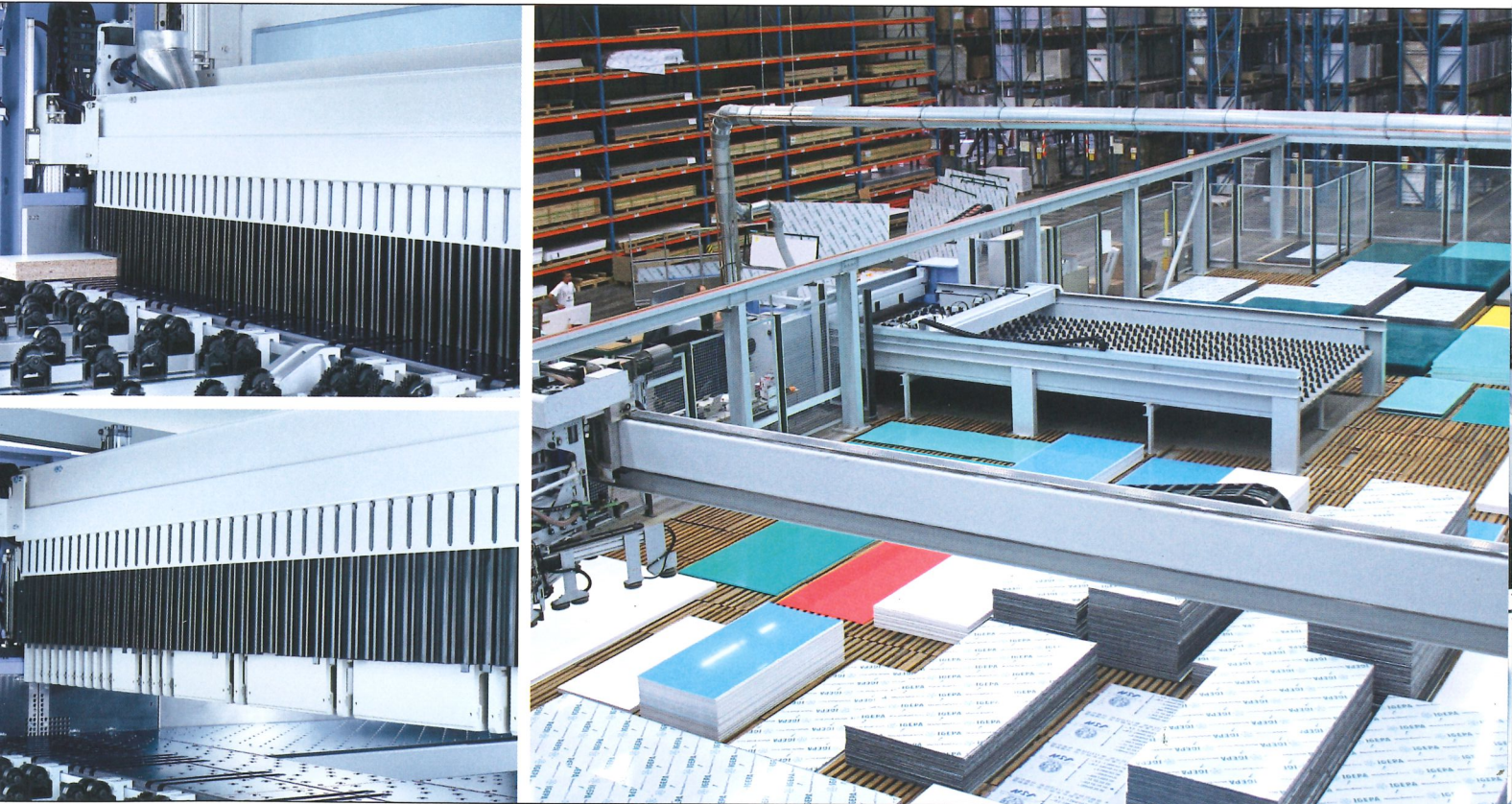
## Patented: camera-controlled scoring saw adjustment

The scoring saw is adjusted completely automatically. (Manual adjustment is also still optionally possible.)

- optimal measuring results: the camera selects the colour of lighting and the exposure time itself
- the simple adjustment usually takes no longer than a minute
- adjustment accurate to one hundredth of a millimetre

## Automatic angle cut device

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



**Dust-trap curtain on both sides**

- fitted to front and rear side of the pressure beam
- protects operators from dust
- improves extraction
- ideal for dust cuts

**Ready for large-scale storage system integration**

This optional extra ensures that your HOLZMA saw is prepared for link-up to virtually all storage systems. Perfectly matched machines and systems from the HOMAG Group provide maximum performance. Take a look at the HOLZMA Handling brochure for more information.

# Optional extras specifically for the HPL 380 profiLine

A range of further profiLine optional extras is available for the HPL 380 model of the 3 series. They can be individually configured to match your specific requirements, allowing you to get maximum performance from your HOLZMA saw.



## Extra impetus for feeding (no photo)

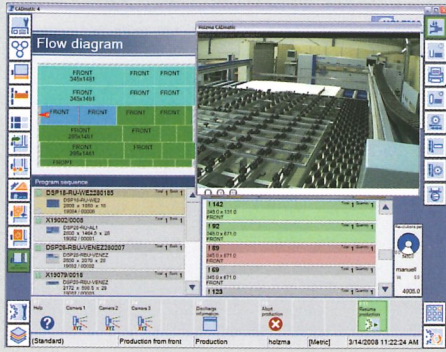
Automatically driven roller conveyors ensure quick stack changeovers.

## Micro-infeed | A for thin panels / hold-back device

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, electro-magnetic measuring system, which is completely maintenance-free. Optionally available in combination with a hold-back device for thin panels from a thickness of 3 mm upwards.

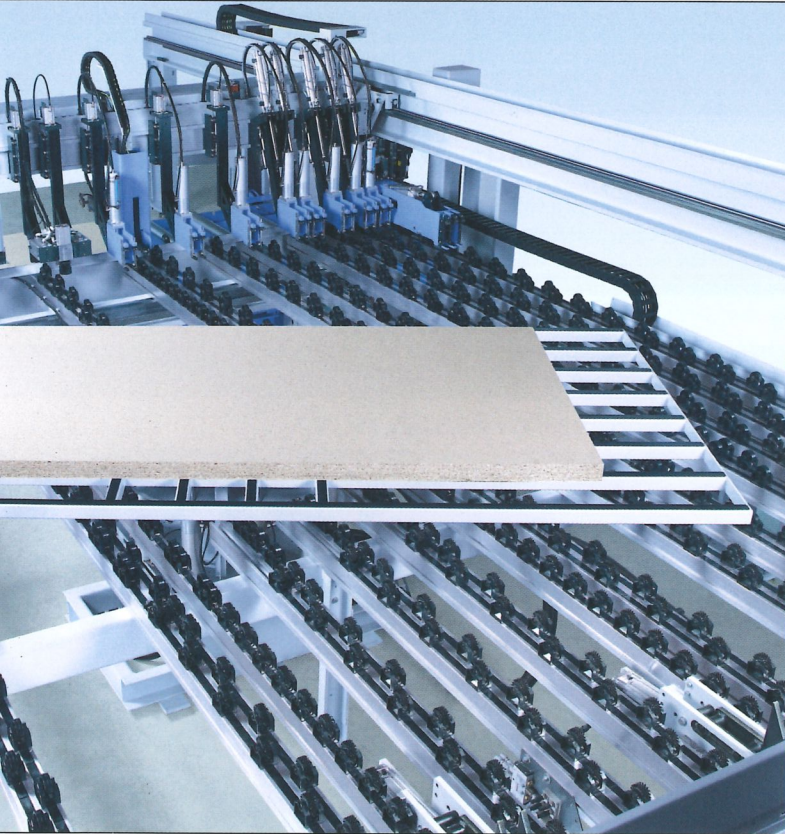
\* Standard for 5600 mm cutting length





**Everything in view –  
with video monitoring**

- recommended for large panel-sizing saws
- display via the CADmatic control software
- you always have the rear machine table and the infeed in view
- camera pictures can be recorded for troubleshooting and workflow optimisation purposes and sent to HOLZMA Customer Support.



**Turning device for headcuts**

- labour-saving device for operators
- with automatic aligning function
- significant increase in output
- process integrated perfectly in the machine cycle
- less time required for preparation
- high degree of operating comfort

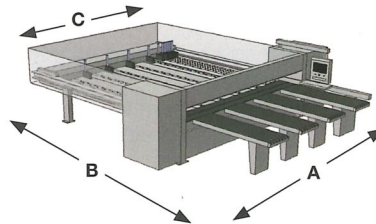


**Automatic push-out fence**

- 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

# The 3 series at a glance

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, just contact your HOLZMA sales advisor. He will be pleased to provide you with comprehensive information.



## Technical Data \*

	HPP 350	HPP 380
Saw blade projection	80 mm (3.2")	95 mm (4")
Cutting length, cutting width	3 200/3 800/4 300 mm (126"/150"/170")	3 200/3 800/4 300/5 600***** mm (126"/150"/170"/220"*****)
Lift table width	–	–
Program fence speed **	90 m/min (295 ft/min)	90 m/min (295 ft/min)
Saw carriage speed	up to 150 m/min (492 ft/min)	up to 150 m/min (492 ft/min)
Main saw motor	13.5 kW (18.5 HP)	13.5 kW (18.5 HP)
Scoring saw motor	2.2 kW (3 HP)	2.2 kW (3 HP)
Average total air requirement	120 NI/min (4.3 cfm)	120 NI/min (4.3 cfm)
Compressed air requirement	6 bar (87 psi)	6 bar (87 psi)
Extraction system	3 330 m <sup>3</sup> /h, 26 m/sec (1 960 cfm)	3 330 m <sup>3</sup> /h (4 770 m <sup>3</sup> /h****), 26 m/sec (1 960 cfm; 2 631 cfm****)
Total connected load	20 kW (27 HP)	20 kW (27 HP)
Max. stack height without pit	–	–
Max. stack weight	–	–
Working height	920 mm (36")	920 mm (36")
Air tables	3/3/4 x 2 160 mm (3/3/4 x 85")	3/3/4 x 2 160 mm, (5 x 2 810 mm****) (3/3/4 x 85"; 5 x 111"****)

\* Values refer to the standard version

\*\* In EU countries, Switzerland and Liechtenstein, forward speed is restricted to 25m/min

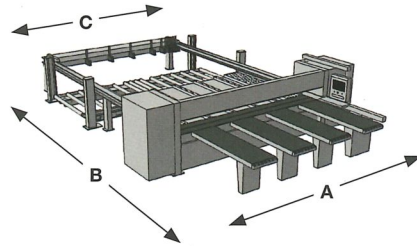
\*\*\* Dim. A: incl. 120 mm for extraction connection. Dim. C: standard program fence width, there are wider dimensions for the lift table in the case of HPL and HKL models.

\*\*\*\* For the 5600 mm cutting length

\*\*\*\*\* Only in conjunction with profilLine saws, only for right-orientated execution

## Machine dimensions\*\*\*

Machine model	A	B	C
HPP 350/32/32   HPP 380/32/32	5364 mm (211")	6543 mm (258")	3709 mm (146")
HPP 350/38/38   HPP 380/38/38	5924 mm (233")	7143 mm (281")	4269 mm (169")
HPP 350/43/43   HPP 380/43/43	6514 mm (256")	7693 mm (303")	4859 mm (191")
HPP 380/56/56	7864 mm (310")	9043 mm (356")	6209 mm (244")



**HPL 350**

**HPL 380**

80 mm (3.2")

95 mm (4")

3 200/3 800/4 300 mm  
 (126"/150"/170")  
 2 200 mm (87")

3 200/3 800/4 300/5 600\*\*\*\* mm  
 (126"/150"/170"/220"\*\*\*\*)  
 2 200 mm (87")

90 m/min (295 ft/min)

90 m/min (295 ft/min)

up to 150 m/min (492 ft/min)

up to 150 m/min (492 ft/min)

13.5 kW (18.5 HP)

13.5 kW (18.5 HP)

2.2 kW (3 HP)

2.2 kW (3 HP)

180 NI/min (6.4 cfm)

180 NI/min (6.4 cfm)

6 bar (87 psi)

6 bar (87 psi)

3 330 m<sup>3</sup>/h, 26 m/sec (1 960 cfm)

3 330 m<sup>3</sup>/h (4 770 m<sup>3</sup>/h\*\*\*\*), 26 m/sec  
 (1 960 cfm; 2 631 cfm\*\*\*\*)

24 kW (33 HP)

24 kW (33 HP)

580 mm (22.8")

580 mm (22.8")

4 t (8 816 lbs)

4 t (8 816 lbs)

920 mm (36")

920 mm (36")

3/3/4 x 2 160 mm  
 (3/3/4 x 85")

3/3/4 x 2 160 mm, (5 x 2 810 mm\*\*\*\*)  
 (3/3/4 x 85"; 5 x 111"\*\*\*\*)

**Machine dimensions\*\*\***

Machine model	A	B	C
HPL 350/32/22   HPL 380/32/22	5 364 mm (211")	9 963 mm (392")	3 636 mm (143")
HPL 350/38/22   HPL 380/38/22	5 924 mm (233")	9 963 mm (392")	4 196 mm (165")
HPL 350/43/22   HPL 380/43/22	6 514 mm (256")	9 963 mm (392")	4 786 mm (188")
HPL 380/56/22	7 864 mm (310")	11 413 mm (449")	6 136 mm (242")

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