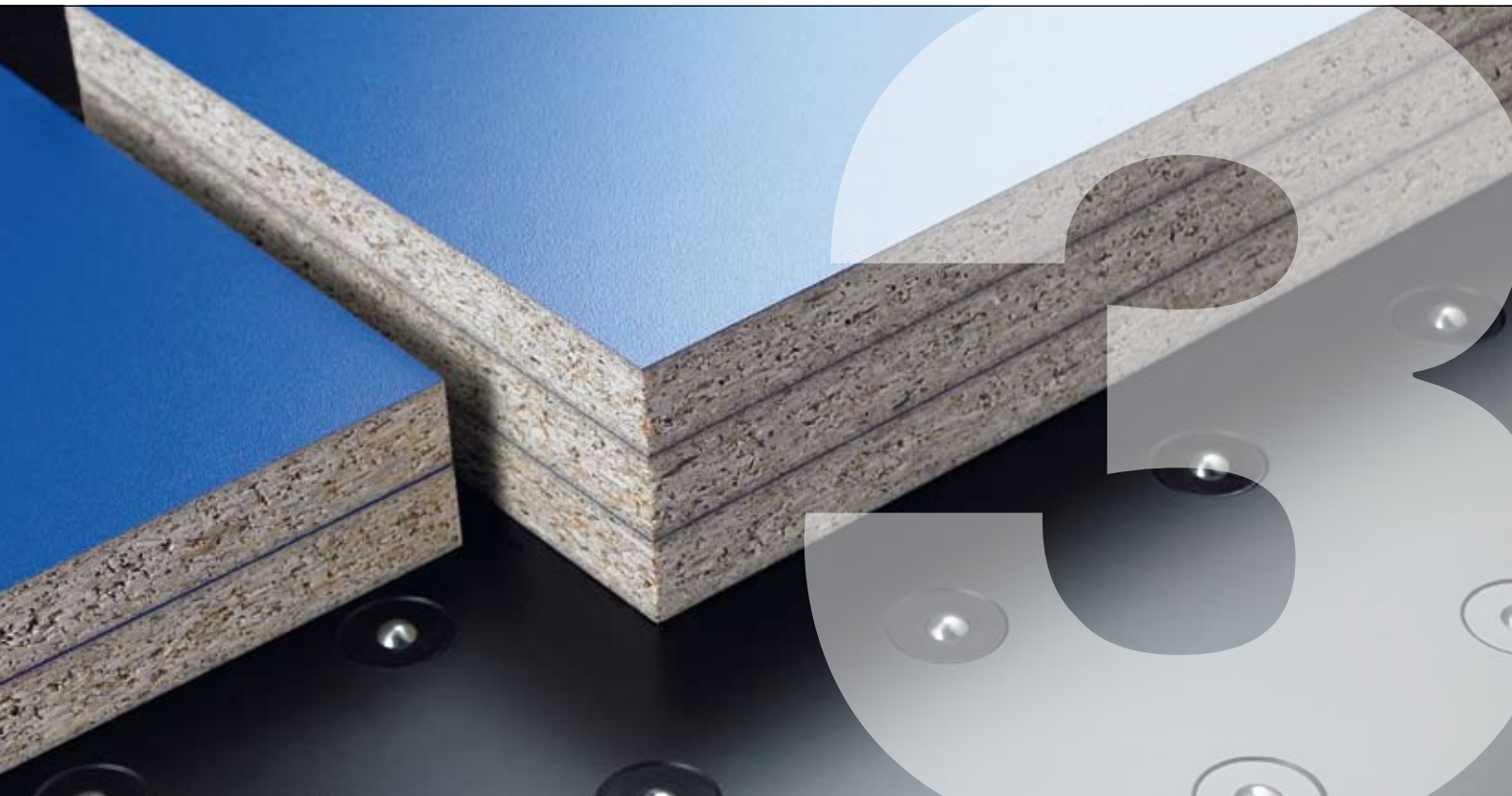


Performance Tailored to Your Needs



The 3 Series from HOLZMA: Efficiency meets Performance

Whether carpenter shops or industry: the right degree of technology and comfort level is the key factor for successful panel sizing operation. That's why the spectrum of the 3 series ranges from the compact single saw to the professional angular plant. This way you can be sure of finding exactly the right solution for your production requirements – ideally matched for size, performance and quality. So that your investment pays off day after day and is quickly amortised.

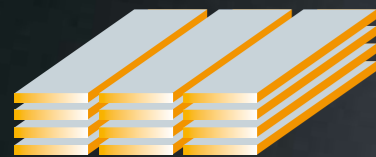


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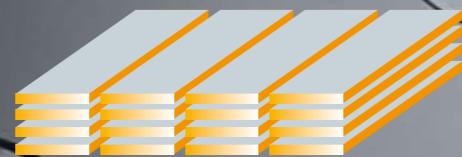
How Much Performance do You Need?

Big, bigger, biggest: Here you find the models of the 3 series at a glance. All the machines have one thing in common – they present convincing state-of-the-art technologies for sustained accuracy and performance.



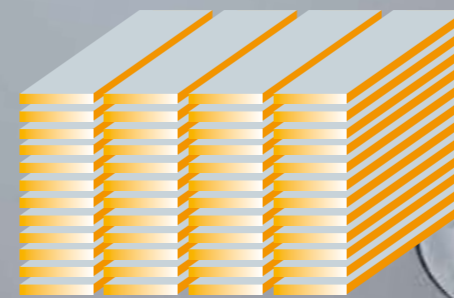
HPP 350

Compact and versatile – the proven basic model of the 3 series.



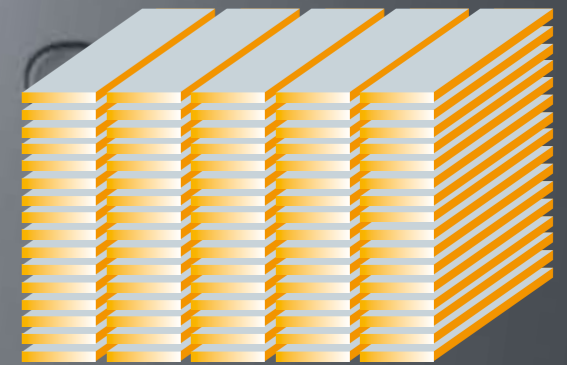
HPP 380

With more cutting height for still higher performance.



HPL 380

With automatic infeed for considerably increased material throughput.



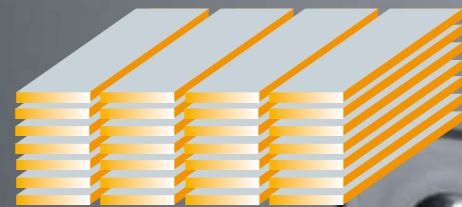
HKL 380

High-performance angular plant for series production in carpenter shops and industry.



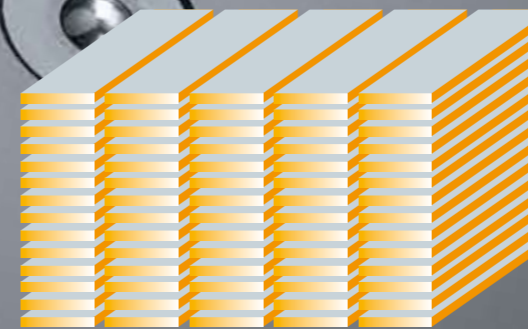
profiLine HPP 350

The profiLine version – even more versatile and ready for link-up to raw material storage.



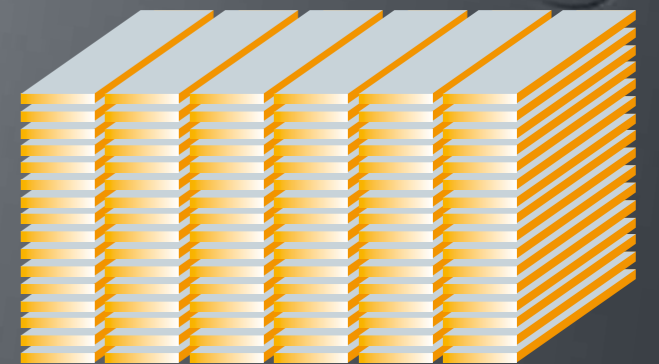
profiLine HPP 380

The profiLine allows an even higher degree of customisation and can be integrated perfectly in your production.



profiLine HPL 380

The profiLine version meets the highest demands and can be equipped with versatile options as required.



profiLine HKL 380

The profiLine angular plant – ready for integration in large-scale plants with a very high level of automation.

High Tech as Standard – Standard Features

You think ahead. So does HOLZMA. This is clearly reflected in the standard features included in all models of the 3 series. See for yourself and benefit from reliable high-precision technology.



Precision Clamps

HOLZMA's heavy-duty clamps hold the material firmly but gently and position it accurately onto the cutting line.



The Heart of the Saw

The saw carriage consists of a heavy-duty steel structure with main saw, scoring saw and central side aligner. Its strengths:

- infinitely variable saw carriage speed
- low-noise, maintenance-free rack and pinion drive
- fast saw blade change thanks to the Power-Loc system
- easy adjustment of the scoring saw from the control console

High Tech as Standard – Standard Features

Program Fence: Precision and Dimensional Accuracy

The compact, electronically controlled program fence with clamps and precision guide has an electro-magnetic measuring system which guarantees positioning accuracy of +/- 0.1 mm. This allows even minimal trim and dust cuts. The measuring system entails absolutely no wear and no maintenance.

Rugged Pressure Beam for First-Class Cut Quality

The large-area pressure zone directly at the cutting line allows vibrations to be reduced to a minimum. Accurate and clean cuts, also for books, are the result.



Picture shows optional clamps.

Air Jets Throughout as Standard: the Machine Table

Anyone working with sensitive material or especially heavy boards and books will benefit from the machine table being equipped with air jets throughout. An extra which is included as standard in the 3 series from HOLZMA.



HOLZMA Patent: Central Side Aligner

- Time is money, that's why HOLZMA has integrated the side aligner directly in the saw carriage. This shortens cycle times by up to 25% in comparison to conventional systems.
- Contact pressure is infinitely variable. Allowing even thin boards, laminates or sensitive materials to be machined perfectly.
- The side aligner can travel the entire cutting length.

Control Tailored to Your Needs – CADmatic 4 PROFESSIONAL

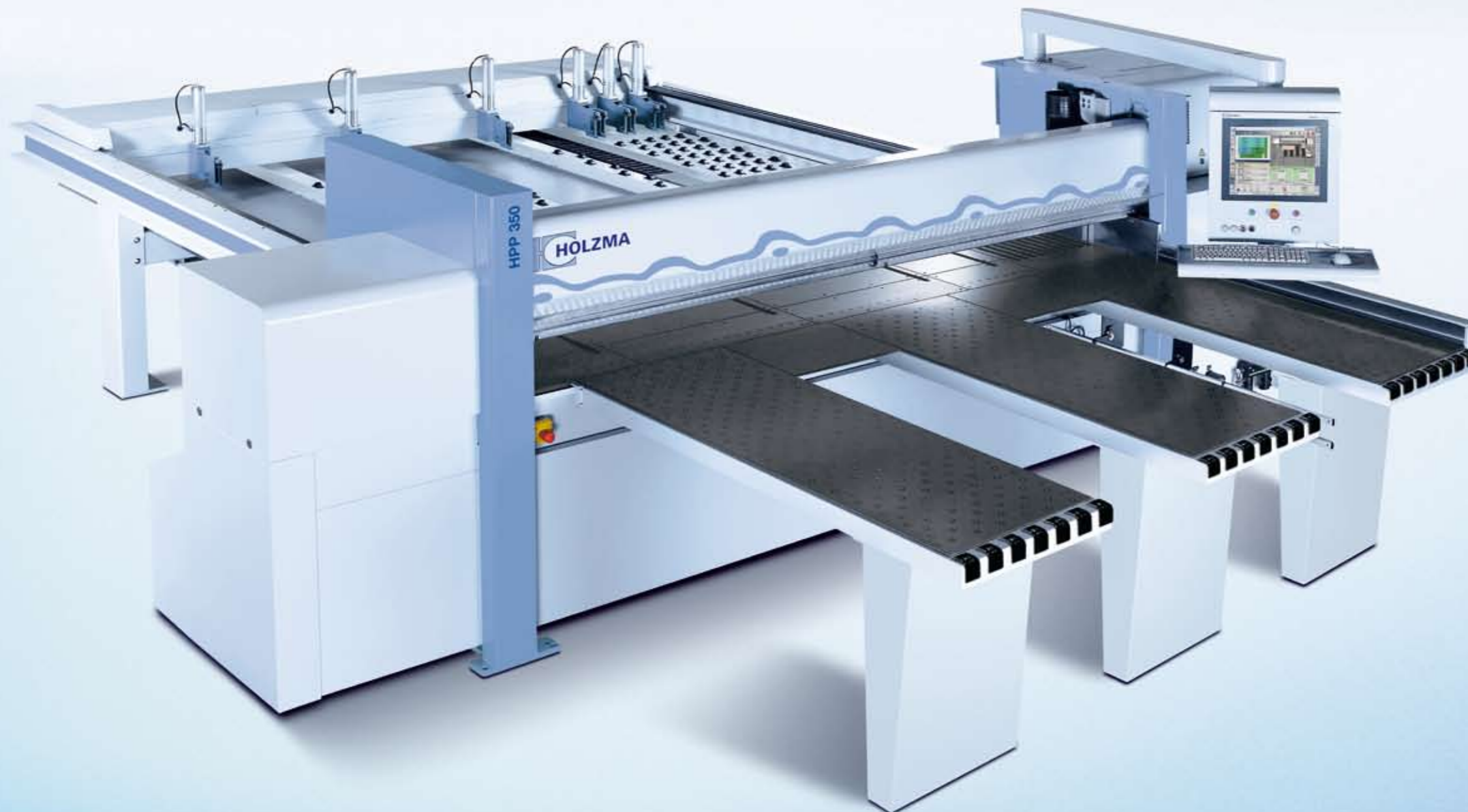
Developed especially for production processes in panel sizing technology, the CADmatic control software provides optimised machine cycles. The machine's potential is exploited to the full with:

- intuitive operating software
- 3D realtime moving graphics
- 17" TFT flat screen monitor, optionally with touch screen, for all 350 models

- 19" TFT flat screen monitor with touch screen for all 380 models
- online diagnostics
- improved navigation thanks to permanent access to all functions
- improved design for enhanced user-friendliness
- CADplan, the manual cutting pattern optimisation option, included as standard

The HPP Models of the 3 Series – Compact and Powerful

The HPP 350 and HPP 380 are two compact, powerful single saws which are both economical and versatile in operation. The basic model HPP 350 kicks off – the perfect solution for expanding carpenter shops or companies with small batches. The HPP 380 goes one step further. Thanks to its higher saw blade projection, it offers a higher degree of performance and flexibility.



HPP 350 at a Glance

The proven basic model of the 3 series offers high performance in a compact design. The ideal solution for increasing requirements.



HPP 380 at a Glance

Its increased saw blade projection makes it more powerful and more versatile than the basic model. The main saw motor, which comes with 18 kW, also caters for this.



HPP 380

Extras Tailored to Your Needs

HOLZMA offers numerous optional extras for the HPP 350 and HPP 380. This enables you to match the machine exactly to your production requirements and realise its full potential.

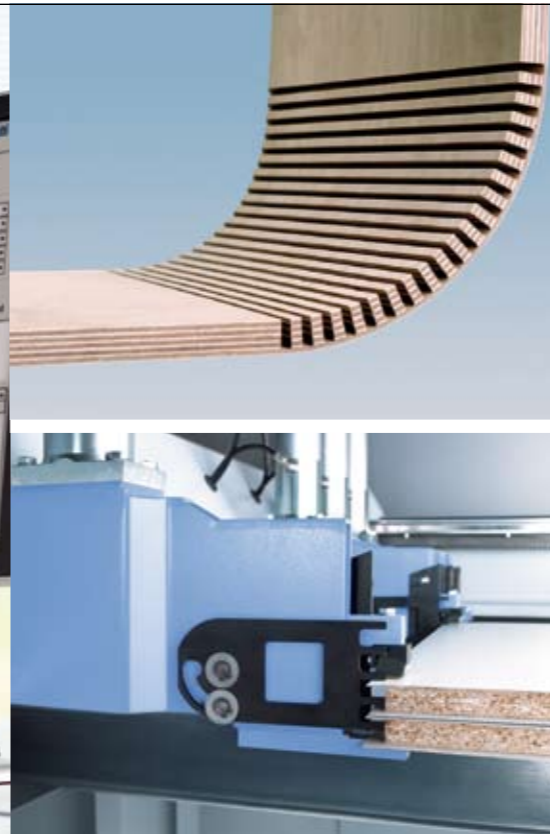
Sizing and Grooving

The “Turbo-Grooving” option saves you an entire production step in subsequent machining. Because your HOLZMA also immediately grooves the panel material in both directions – all at top speed.

Cut-Out and Stress Release Cut

Tension in the material is released when it is cut and can affect the quality of dimensions and cuts. HOLZMA’s stress-release cut option remedies this – systematic preliminary cuts eliminate the tension in the material.

The additional cut-out feature allows you also to produce both cut-outs and inserted grooves in the panels, as are required, for example, for kitchen sinks.



Label Printer

HOLZMA’s label printer facilitates an efficient workflow. You can print individual labels directly at the saw and design them to include barcodes, text and graphics, if so desired. If, in addition, you use our Cut Rite optimisation software, instructions for downstream CNC machining can also be included on the labels. Link-up to ERP/PPC systems is also possible. In this way, you can integrate the saw perfectly in your production flow.

Optimisation in the Office

With its excellent optimisation software Cut Rite, HOLZMA caters for top performance and higher efficiency in panel sizing technology.

- optimised project control
- efficient cut-to-size operations
- full control of costs
- fast 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.

Manual Trim Stops for Special Materials*

With these, your HOLZMA can also master material with overhanging laminates or veneers. The manual trim stops are integrated in the clamps and are simply pulled out when required:

- exact positioning
- gentle processing of sensitive materials such as overhanging laminates or veneers

* Standard for HPP 380, option for HPP 350

Practical Mobile Operation with Wireless Remote Control

Ergonomics and economics go hand in hand when cutting panels. The easier the operation, the more efficient the machine usage. That’s why we now offer you a hand-held wireless remote control for easy control of functions such as:

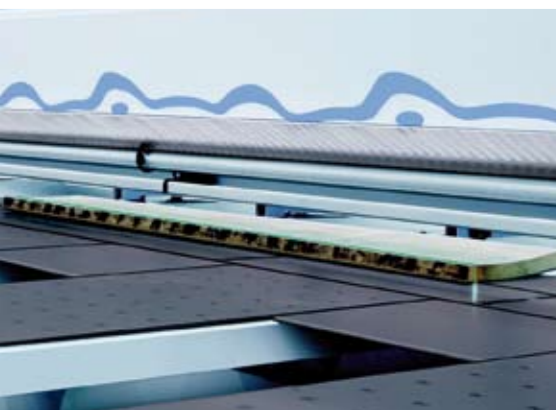
- start cutting process
- open clamps and move saw to home position
- switch air table jets on/off
- move program fence



Extras Tailored to Your Needs

The Perfect Postforming Cut

The ascending scoring saw unit allows chip-free cuts on softformed and post-formed parts.



High-Precision Laser Alignment

Accurate cuts require accurate positioning. This is particularly important, for example, when cutting solid wood panels. HOLZMA's purpose-designed laser guide line option provides assistance here.

- exact positioning right down the line
- ideal for positioning solid wood and veneered panels



Clean Angle Cuts

With the angular cut option you can control accurate angle cuts either manually (top pictures) or simply automatically (big picture), depending on the option, via the CADmatic control – allowing you to achieve accurate results quickly and easily.

Movable Air Table

The movable air table (picture right) is easily moved along linear guides and offers you a mobile work surface and storage area. It enables you to move small and big panels or books more ergonomically and at the same time with less risk of damage.

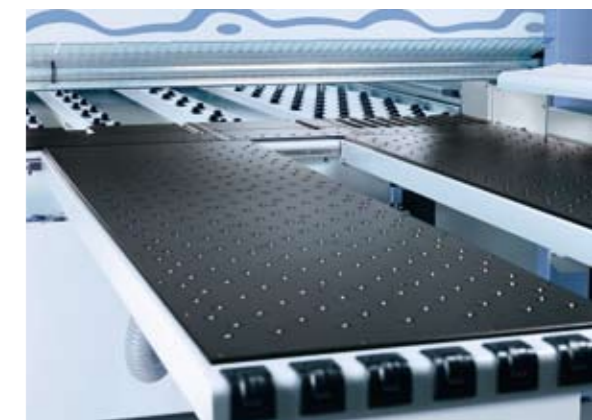
Higher Performance With Automatic Infeed

The automatic infeed system Econolift achieves a considerably higher material throughput in a shorter time. The result: more efficiency with less manpower.

- automatic infeed from the front
- retrofittable at any time

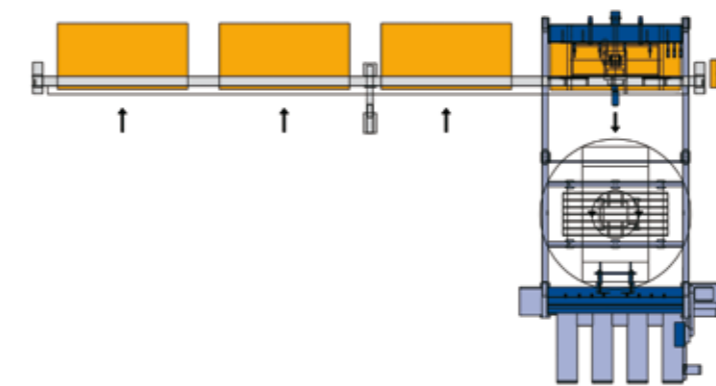
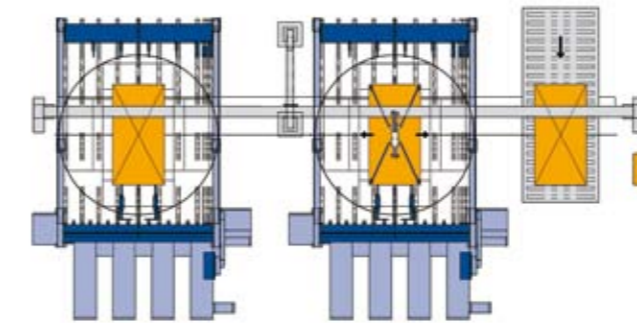
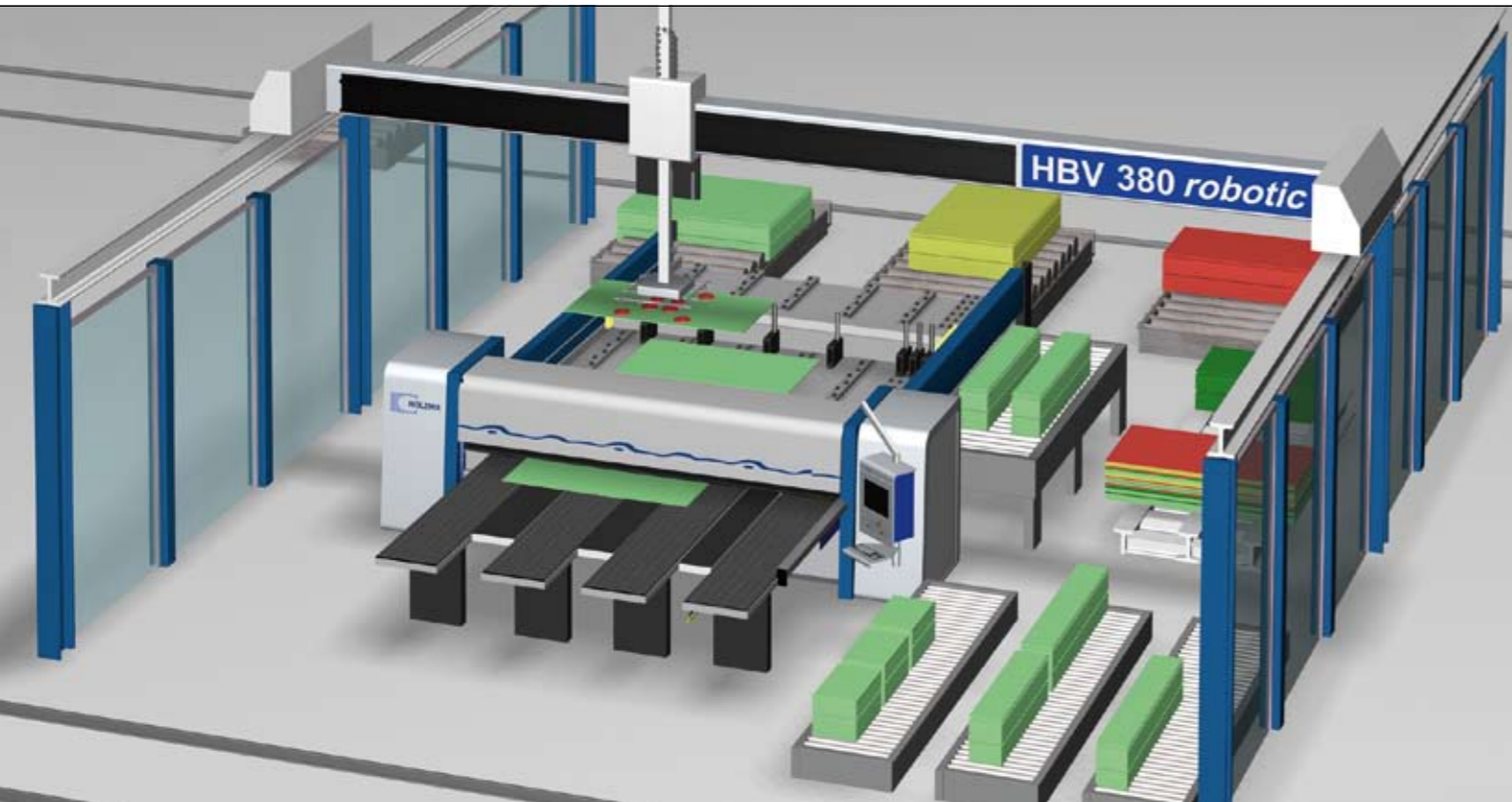
Additional Clamps

So that your HOLZMA can securely clamp even especially big, thin, narrow or smooth materials.



profiLine – Ready for System Integration

HOLZMA also offers both HPP models in the 3 series as profiLine versions – with considerably enhanced standard features and many optional extras to meet individual performance requirements. This allows the machine to be perfectly integrated into your overall production. The spectrum of possibilities ranges from the saw-storage-combination through to complete integration in your overall process.



Both profiLine models can be linked up to your production line systems. Saw-storage-combinations, for example, increase efficiency. Whether for small and medium sized shops or fully-automated for industrial operations: HOLZMA offers made-to-measure solutions to meet every challenge, with short payback period.

Example 1:

The HBV 380 robotic (illustrated above) is a perfect example of this. A saw-storage-combination on the basis of the profiLine HPP 380, requiring no personnel whatsoever in fully-automatic continuous operation. A “lights-out system” takes care of the provision and feeding of all the panels. Cutting, off-stacking of parts and waste removal also all take place automatically.

Example 2:

A manufacturer of interior fittings was initially working with two beam saws in a production line. HOLZMA then designed and interlinked two profiLine HPP 380s with a common vacuum infeed system. Today, jobs can be ‘demanded’ and processed on the first saw available. (top illustration)

Example 3:

Vacuum feeding gantry with several feeding stations. (bottom illustration)

Prepared for More

Technically, the two profiLine models are ideally equipped for custom system link-ups. Following features make sure of that:

- full network compatibility for communication with other machines, storage link-up and parts management system
- elevated program fence guide beams
- power chain located on top
- heavy-duty combi-profile rails

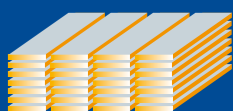
In addition, you have the choice of optional extras such as:

- anodised aluminium machine bed plates with additional air jets for gentle material handling
- longer air tables for big panels

profiLine HPP 350

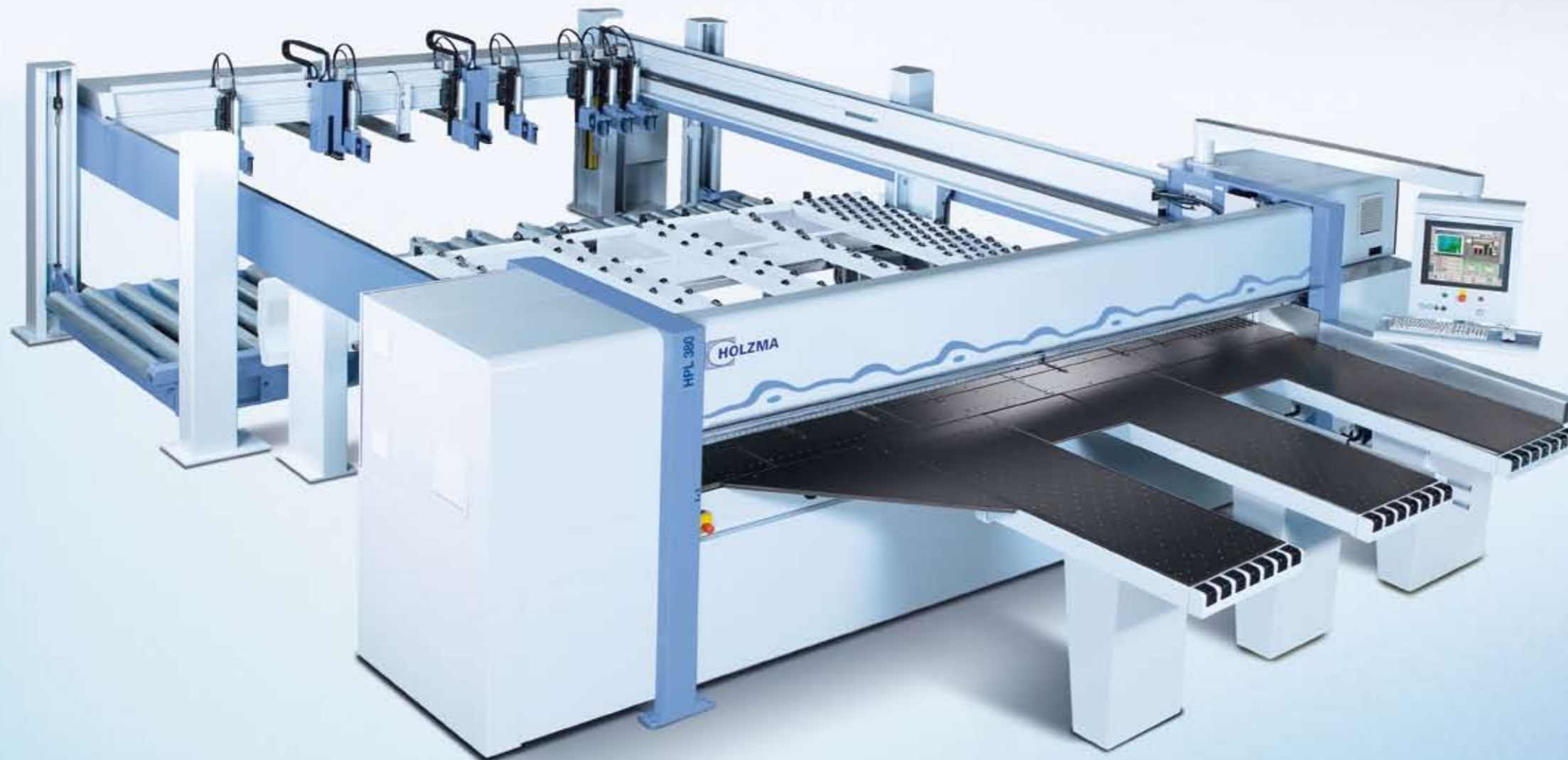


profiLine HPP 380



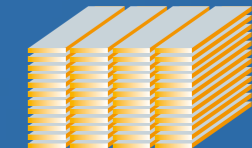
HPL 380 – High Performance Saw with Automatic Infeed

You're looking for a beam saw which sets you up for big jobs? Then the HPL 380 is the right choice for you. It has everything which makes the 3 series powerful, with the convincing addition of an integrated lift table for automatic infeed. Your advantage: you can speed up production considerably.



HPL 380 at a Glance

- material throughput considerably higher than that of the HPP 380
- short production times thanks to automatic infeed
- heavy-duty design, extremely rugged
- even more optional extras than the HPP models



Extras Tailored to Your Needs

The HPL 380 has everything which makes the HPP 380 strong. Additional optional extras provide still more power and are perfectly tailored to the automatic feeding system. Choose individual options as required or go straight for the high-performance Power Pack.

Automatic Pushout Fence

(Illustration shows the principle in the 5 series.)

A valuable labour-saving device, the automatic pushout fence moves offcuts forward from the rear machine table and so makes handling a lot easier for the operator.



Turning Device for Headcuts

The ideal addition for quick accurate headcuts – perfectly integrated in the machining cycle.

- considerable increase in performance
- less time required for preparation
- easy operation

For Thin Panels: Micro-Infeed and Hold-Back Device

The micro-infeed ensures that books contain the exact quantity of panels specified when they are pushed onto the machine table, even when the single panels have a minimum thickness of 6 mm. 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, for panels with a minimum thickness of 3 mm. (Picture shows both options.)

Extra Impetus for Loading

Automatically driven roller conveyors ensure quick stack changeovers.

HPL 380 Power Pack

The HPL 380 Power Pack provides still more power. With the Power Pack option you get all the most important high-tech options in one – put together for you by HOLZMA:

- driven rollers on the lift table
- micro-infeed for thin panels



profiLine – Designed for Maximum Performance

Good, better, profiLine: An even more comprehensive range of standard features makes the profiLine HPL 380 a perfect team player in the manufacturing process. Ready for fully-automatic storage integration and digital link-up with your ERP/PPC system. And there's more: with profiLine you benefit from many optional extras. See for yourself!

4-Side Alignment Table (no picture)

The material deposited on the rear machine table is aligned by special stops.



Power Concept

The simultaneous cutting of two different strips has for a long time been a standard feature of HOLZMA's large-scale plants. A know-how advantage from which customers can now also benefit in the 3 series. The Power Concept does just that, in a minimum of space: An additional clamp, which works independently, allows differently sized panels to be crosscut simultaneously.

Power Concept achieves this with:

- clamps on the main fence which can be raised above the work area if necessary
- speed package for 150 m/min saw carriage speed
- optimised machine cycle times by means of a special measuring system in the clamp
- wider air table
- cutting patterns regenerated at the saw on the basis of existing optimisation data, for minimum machining times

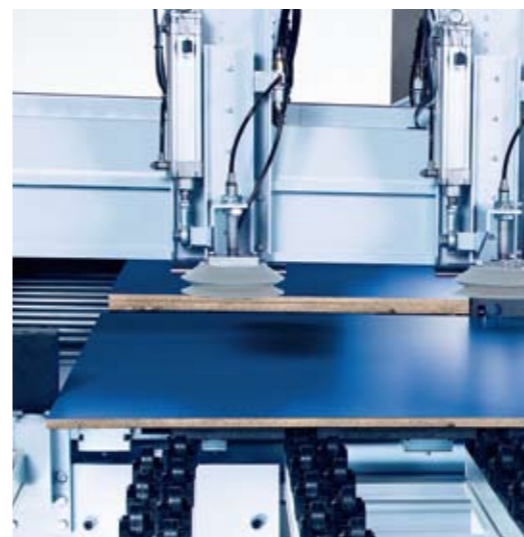
Working as a perfect team, the two systems transport different strips simultaneously to the cutting line or share the work: one system working at the front while the other fetches the next stack of panels from the lift table. The advantages:

- considerably shorter cutting cycles
- high material throughput
- lower costs per cut
- affordable high-tech solution with minimum space requirement
- precise cutting of even very narrow strips

Compact and Economical "2in1"

"2in1" offers two feeding options in one. This is how it works: An infeed carriage with integrated vacuum cups and infeed devices is located above the lift table. This allows sensitive, thin panels and material that can be push-fed to be deposited, aligned and processed on

the feed-stacking table. Optionally, feeding and cutting can run simultaneously. The advantage: "2in1" is fast, space-saving and economical – making sure you are prepared for all current and future requirements.



Angular Plant HKL 380 – Rip and Cross Cutting in Record Time

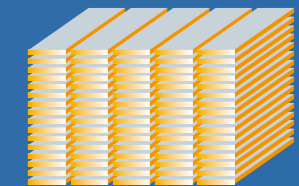
The HKL 380 angular plant is the top model in the 3 series – designed for small batches, bulk and high precision in continuous operation. The plant cuts single panels as accurately as entire books of panels. Fully-automatically and with lasting reliability.



Illustration may show options not included in the basic price.

HKL 380 at a Glance

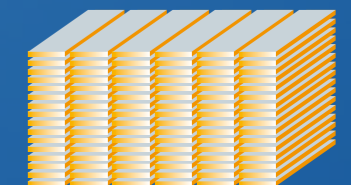
- angular plant with minimum space requirement
- with dynamic Speed Concept
- ideal for single panels and small books
- highest cut quality in record time



profiLine HKL 380

The profiLine version of the HKL 380 is ready for integration in large-scale plants and allows a high degree of automation, for example:

- “2 in 1” vacuum infeed system (cf. p. 23)
- Power Concept (cf. p. 22)
- waste flap with automatic waste removal via a vibrating conveyor
- automatic stacking after the crosscut saw
- and, in addition, many other optional extras for different materials and challenges in production



HKL 380 – Enhanced Standard Features

Whether the central side aligner, the CADmatic machine controller or the high-precision program fence: the HKL 380 has the entire range of standard features of the 3 series. Furthermore, as a dynamic angular plant, it comes equipped with additional high-performance features as standard. This all makes the HKL 380 the number 1 in the 3 series.

Powerful Loading

Via the electro-hydraulic four-column lift table:

- automatic height measurement of books
- standard version equipped with longitudinal profiles
- also suitable for thin materials
- maintenance-free and no lubrication required

Speed Concept

- considerably higher speed and dynamic saw carriage acceleration
- unmatched program fence acceleration
- raisable clamps at the crosscut saw



Tidy Operation Guaranteed

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

- opens and closes in perfect coordination with the operating cycle of the plant



Intermediate Table for Perfect Transfer

To allow both saws to work simultaneously, the intermediate table receives the books of panels from the rip saw and forwards them to the crosscut saw.

- strong design with plastic rollers for gentle handling
- special powered pushers in the sub-level carriage ensure perfect transfer
- AB-BA system for mirror-image cross-cutting
- integrated headcut feature



Pushout Device for the Rip Saw

The pushout device moves the panel material onto the intermediate table and the trim onto the waste flap.

Extras Tailored to Your Needs

HOLZMA has developed specific extras specially for the HKL 380 to provide still more flexibility. Furthermore, it goes without saying that almost all the other optional extras of the 3 series are also available. An abundance of options allows you to equip your HKL 380 exactly to match the production processes. The result is your profit.

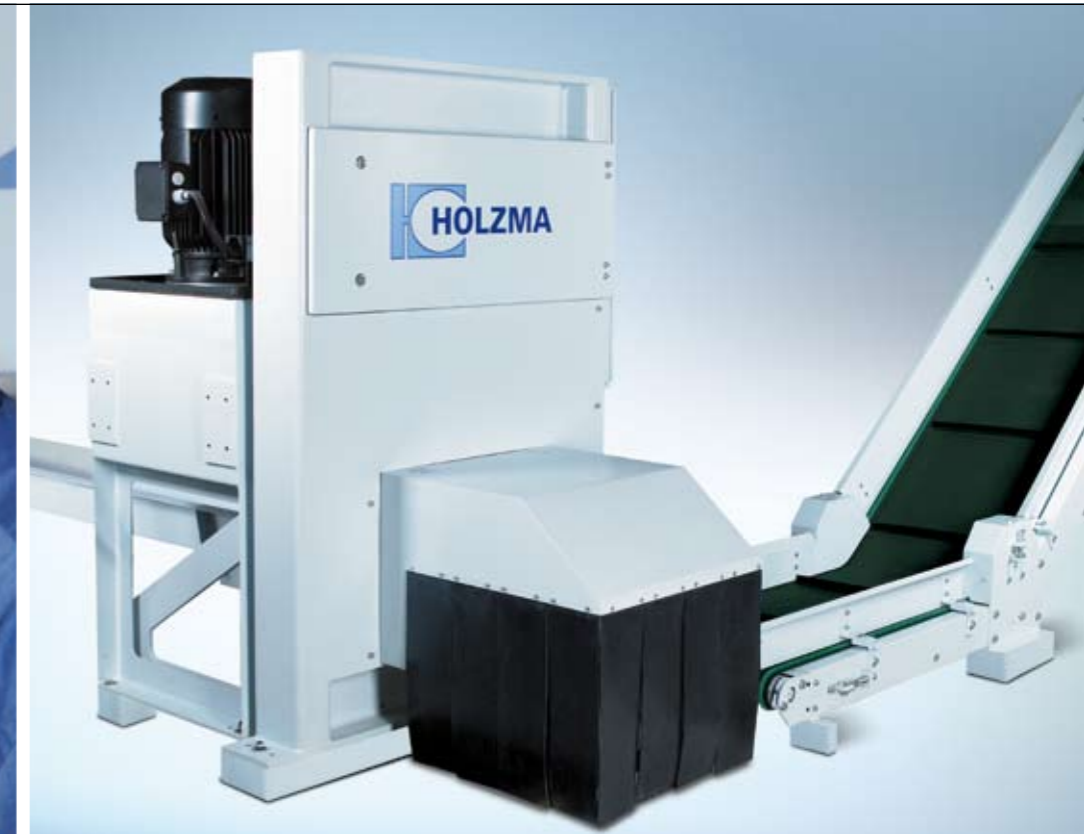
Automatic Removal of Spoilboards

This optional extra allows spoilboards for sensitive material to be automatically pushed off the lift area. This additionally accelerates the manufacturing process.



Tiltable Air Table

An additional air table with a big support area for big panels. And so that you nevertheless have easy access to the saw when you need it, you can simply drop it down.



Precision Without Obstacles

Trim strips and waste which fall through the waste flap are collected in the vibrating conveyor.

Waste Chopper for Manageable Sizes

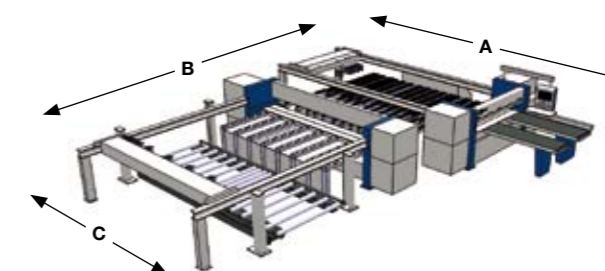
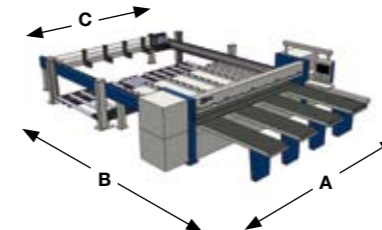
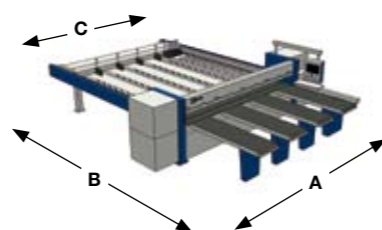
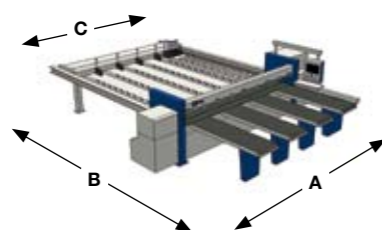
Cuts waste strips into small pieces, facilitating automatic removal.

Automatic Waste Removal

The vibrating conveyor transports the waste automatically to the waste chopper and subsequently to the elevating conveyor belt. This lightens the work.

HOLZMA's 3 Series at a Glance

Size, performance, features: Here you can find the most important technical data for the 3 series at a glance. You would like to know more? Your HOLZMA sales advisor will be pleased to provide you with comprehensive information.



Technical Data*	HPP 350	HPP 380	HPL 380	HKL 380
Saw blade projection	80 mm (3.15")	95 mm (3.74")	95 mm (3.74")	95 mm (3.74")
Cutting length, cutting width	3 100/3 800/4 300 mm (122"/150"/169")	3 100/3 800/4 300 mm (122"/150"/169")	3 800/4 300 mm (150"/169")	rip saw 3800/4300 mm, CCS*** 2200 mm (150"/169", 87")
Lift table width	–	–	1 600/2 200 mm (63"/87")	1 600/2 200 mm (63"/87")
Program fence speed**	90 m/min (295 ft/min)	90 m/min (295 ft/min)	90 m/min (295 ft/min)	rip saw 90 m/min, CCS*** 140 m/min (295 ft/min, CCS*** 459 ft/min)
Saw carriage speed	5-150 m/min (16-492 ft/min)	5-150 m/min (16-492 ft/min)	5-150 m/min (16-492 ft/min)	5-150 m/min (16-492 ft/min)
Main saw motor	13.5 kW (18 HP)	18 kW (25 HP)	18 kW (25 HP)	18 kW (25 HP)
Scoring saw motor	2.2 kW (3 HP)	2.2 kW (3 HP)	2.2 kW (3 HP)	2.2 kW (3 HP)
Average total air requirement	150 NI/min (5.3 cfm)	150 NI/min (5.3 cfm)	210 NI/min (7.4 cfm)	450 NI/min (15.9 cfm)
Operating pressure	6 bar (87 psi)	6 bar (87 psi)	6 bar (87 psi)	6 bar (87 psi)
Dust extraction	4 400 m³/h, 26 m/sec (2 589 cfm)	4 600 m³/h, 26 m/sec (2 707 cfm)	5 000 m³/h, 26 m/sec (2 942 cfm)	8 800 m³/h, 26 m/sec (5 179 cfm)
Total connected load	20 kW (27.2 HP)	24 kW (32.6 HP)	28 kW (38.1 HP)	43 kW (58.5 HP)
Maximum stack height without pit	–	–	580 mm (22.8")	580 mm (22.8")
Maximum stack weight	–	–	4 t (8 800 lbs)	4 t (8 800 lbs)
Working height	920 mm (36.2")	920 mm (36.2")	920 mm (36.2")	920 mm (36.2")
Air tables	3/3/4 x 2 160 mm (85")	3/3/4 x 2 160 mm (85")	3/4 x 2 160 mm (85")	2 x 2 160 mm (85")

Machine dimensions

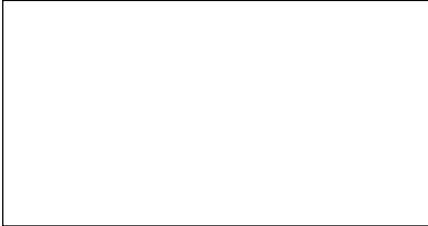
Machine model	A	B	C
HPP 350/31/31 HPP 380/31/31	5 100 mm (200.8")	6 612 mm (260.3")	3 470 mm (136.6")
HPP 350/38/31 HPP 380/38/31	5 860 mm (230.7")	6 612 mm (260.3")	4 230 mm (166.5")
HPP 350/38/38 HPP 380/38/38	5 860 mm (230.7")	7 212 mm (283.9")	4 230 mm (166.5")
HPP 350/43/31 HPP 380/43/31	6 300 mm (248.0")	6 612 mm (260.3")	4 670 mm (183.9")
HPP 350/43/38 HPP 380/43/38	6 300 mm (248.0")	7 212 mm (283.9")	4 670 mm (183.9")
HPP 350/43/43 HPP 380/43/43	6 300 mm (248.0")	7 762 mm (305.6")	4 670 mm (183.9")

Machine dimensions

Machine model	A	B	C
HPL 380/38/16	5 860 mm (230.7")	8 663 mm (341.1")	4 220 mm (166.1")
HPL 380/38/22	5 860 mm (230.7")	9 432 mm (371.0")	4 220 mm (166.1")
HPL 380/43/16	6 300 mm (248.0")	8 663 mm (341.1")	4 660 mm (183.5")
HPL 380/43/22	6 300 mm (248.0")	9 422 mm (370.9")	4 660 mm (183.5")
HKL 380/38/22/16	8 417 mm (331.4")	10 680 mm (420.5")	4 220 mm (166.1")
HKL 380/38/22/22	8 417 mm (331.4")	11 261 mm (443.4")	4 220 mm (166.1")
HKL 380/43/22/16	8 817 mm (347.1")	10 680 mm (420.5")	4 660 mm (183.5")
HKL 380/43/22/22	8 817 mm (347.1")	11 261 mm (443.4")	4 660 mm (183.5")

* Values refer to the standard version
 ** In EU countries, Switzerland and Liechtenstein forward speed is restricted to 25 m/min
 *** CCS = crosscut saw

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