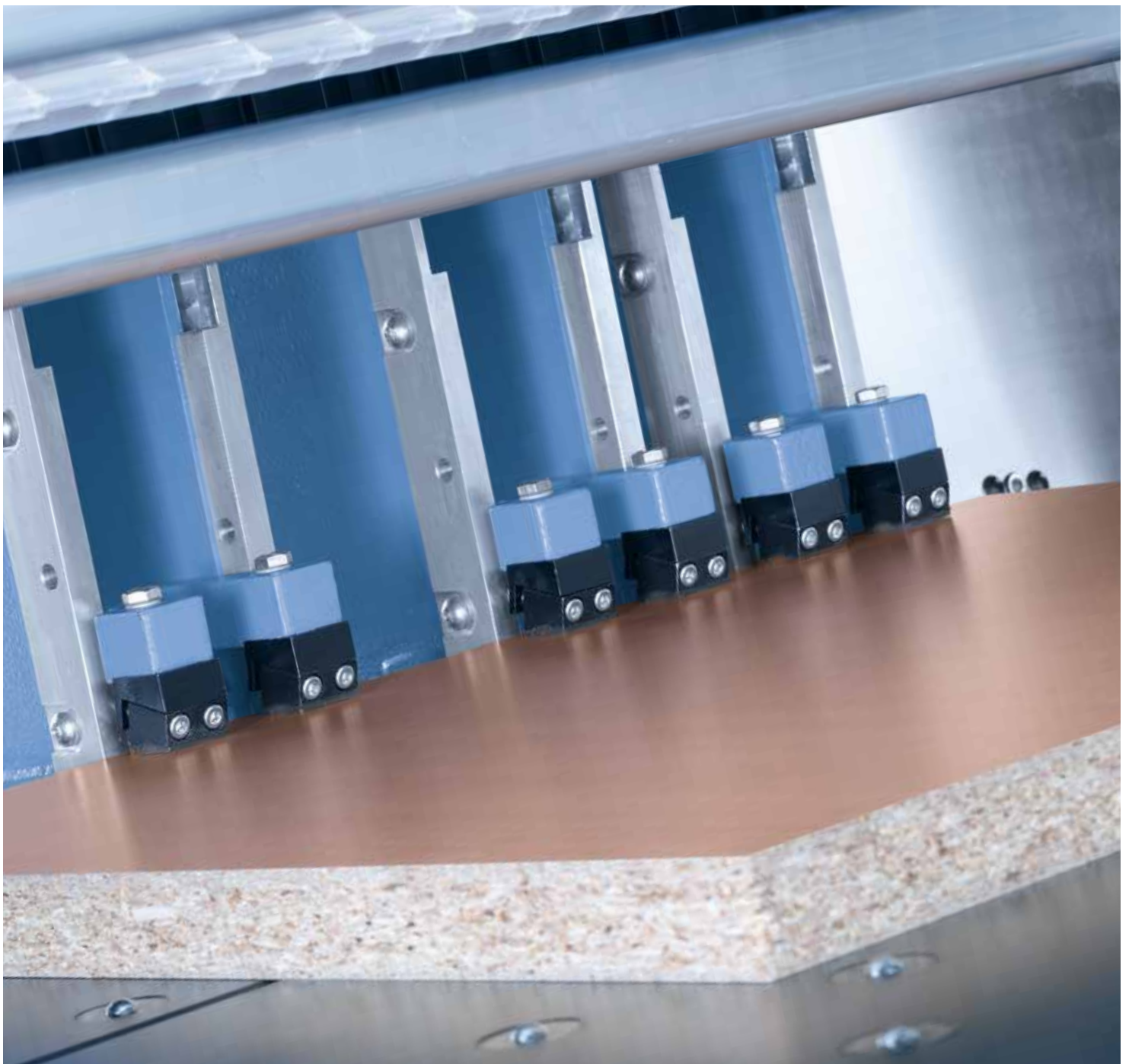


Product overview

Panel dividing saws from size S to XXL





## HOMAG panel dividing technology – your number 1 for cutting solutions in all performance classes

Regardless of whether you work in the trade or industry, HOMAG can offer you panel dividing saws for all requirements along with first-class software from one source. The saws also offer a high degree of individuality in their configuration, as well as many technical innovations, such as the innovative Power Concept for up to 40% more output, efficient saw-storage combinations, or numerous handling solutions from feeding to destacking. In brief: If you are looking for power and precise cutting, you can find precisely **YOUR SOLUTION** here.

Find out more here: [www.homag.com](http://www.homag.com)

### Contents

- 04 Software
- 06 1 and 2 series
- 08 3 series
- 10 4 series
- 12 5 and 6 series
- 14 P series
- 16 HPS 320 flexTec
- 17 HPP 300 multiTec
- 18 Systems / plants / handling



## Software for cutting processes

In these times of digitalization, networked production, and Industry 4.0, software is more important than ever, making the fact that HOMAG is developing the software along with the machines even more significant. This means that you can get everything from one source, perfectly aligned and immediately compatible.



### CADmatic saw control system

In its CADmatic software, a product developed by the company itself, HOMAG offers a machine control unit that provides extensive support to employees at the saw and guides them intuitively through the control and machining process.

- New: CADmatic 5 for saws from the 3 series onwards – including an innovative assistance graphic and 21" TFT flatscreen display with touch function
- CADmatic 4 PRACTICE: The control software for saws from the 1 and 2 series with 19" TFT flatscreen display and optional touch function for the 2 series



### Cut Rite optimization software

Gain efficiency by reducing costs: With Cut Rite, we are offering you the worldwide leading software for optimizing the cutting of panel-shaped materials. The high-performance and user-friendly program allows you to optimize the speed or the waste, and thus the overall cost of the cutting.

- Individual parameterization
- Can be integrated in a company-specific IT environment
- Demand-based update and service contracts

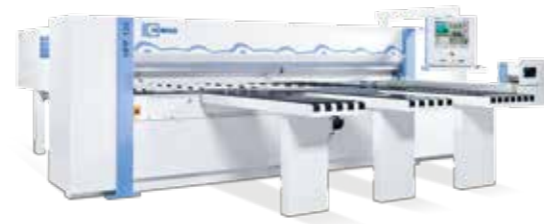


### Simulation

Using the simulation technology, you can display machines, systems, or complete production areas in the form of dynamic models. This allows you to predict their behavior (performance and bottlenecks) during a predefined production program with a high level of accuracy.

## Panel dividing saws in the 1 and 2 series

Saws in the 1 and 2 series are ideal for smaller businesses and anyone who needs reliable cutting performance in a small space.



### HPP 130 – precision at an unrivaled price

In the standard version, the smallest HOMAG saw has everything you need for cutting single panels and small series. It costs little more than a circular saw, but completes cutting much more efficiently. Simply buy, connect, and experience precision.

TECHNICAL DATA FOR THE HPP 130*	
Saw blade projection (mm)	60
Cutting length (mm)	3200
Saw carriage speed (m/min)	Up to 60
Program fence speed (m/min)**	Up to 60
Main saw motor (kW)	5.5 (optional: 7.5)
Operating software	CADmatic 4 PRACTICE
Monitor	19" TFT flatscreen display



### HPP 180 – an efficient compact saw for customers in Asia

Anyone who wants to get ahead of the competition in the Asian markets needs an unrivaled and efficient panel dividing saw: reliable, with a high throughput, and produced locally and so cost-effectively – just like the HPP 180.

For more speed and better ergonomics, the saw can also be connected to a panel storage system via roller conveyors (available separately) – it's quick and easy.

TECHNICAL DATA FOR THE HPP 180*	
Saw blade projection (mm)	95
Cutting length (mm)	3800
Saw carriage speed (m/min)	80 (optional: up to 120)
Program fence speed (m/min)**	Up to 70
Main saw motor (kW)	50 Hz: 13.5 (optional: 15) 60 Hz: 15 (optional: 17.5)
Operating software	CADmatic 4 PRACTICE
Monitor	19" TFT flatscreen display



### HPP 200 – powerful and extendable

The HPP 200 offers everything you need for panel cutting in the trade sector: a high level of power, precision, and flexibility. The saw can be extended at any time and grows with your needs.

For example, the saw is already prepared for simple storage system integration and has manual pressure regulation for processing pressure-sensitive materials.

TECHNICAL DATA FOR THE HPP 200*	
Saw blade projection (mm)	60 (optional: 80)
Cutting lengths (mm)	3200/3800/4300
Saw carriage speed (m/min)	Up to 80 (optional: 120)
Program fence speed (m/min)**	Up to 80
Main saw motor (kW)	7.5 (optional: 9.2)
Operating software	CADmatic 4 PRACTICE
Monitor	19" TFT flatscreen display with optional touch function

### You benefit from great options – even with the smallest HOMAG saws

- Very attractive price/performance ratio
- Pressure beam with a wide pressure area for precise cuts, even when cutting books
- Central side pressure device in the saw carriage – for shorter cycle times
- Power-Loc quick-clamping system for an easy saw blade change
- Low-noise, almost maintenance-free saw carriage
- Accurate program fence



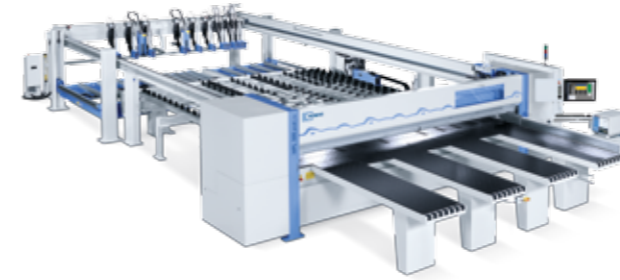
## Panel dividing saws in the 3 series

Regardless of whether it's an HPP, HPL, or the HKL 300: the basic models of the 3 series already have everything that a panel dividing saw needs. No less, but also nothing more. This is because you decide what else you need – flexibly, and based on your individual requirements.



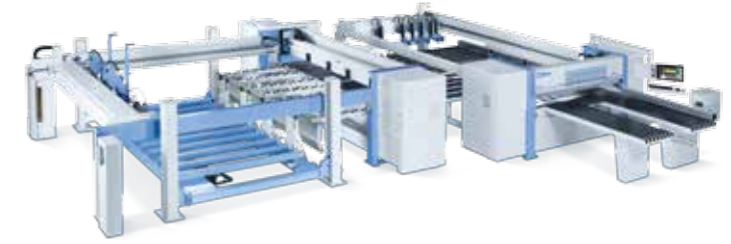
### HPP 300 – ready for networked production

The basic model from the 3 series offers maximum performance in a small space. The HPP 300 is ideal for increasing demands in the trade sector and is the first choice for connection to a storage system.



### HPL 300 – the classic with extra power

The HPL 300 has everything that makes the 3 series strong, plus an impressive integrated lifting table for automatic feed. This allows you to speed up processes and increase your production significantly.



### HKL 300 – rip and cross cuts in one pass

This angular saw unit is the top-of-the-line model in the 3 series – designed for high volumes and precision in continuous operation. The system cuts single panels and books of panels fully automatically and reliably.

#### Lots of extras available on demand

From a technical perspective, HOMAG saws from the 3 series already have everything that is possible in the 1 and 2 series. This is complemented by a wide range of innovative optional features that allow you to convert any saw into precisely **YOUR SOLUTION**.

- IntelliGuide – the first interactive operator assistance system
- Power Concept for up to 40 percent more output
- combiTec recutting function for batch size 1 production
- Patented dustEx technology to combat dust and chips
- module45 for bevel cuts directly on the panel saw
- Individual storage control connections
- And much more

TECHNICAL DATA FOR THE HPP 300*	
Saw blade projection (mm)	80 (optional: 95)
Cutting lengths (mm)	3200/3800/4300/5600
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	50 Hz: 11 (optional: 18 or 24) 60 Hz: 11 (optional: 21 or 28)
Scoring saw motor (kW)	1.5 (optional: 2.2)
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HPL 300*	
Saw blade projection (mm)	80 (optional: 95)
Cutting lengths (mm)	3200/3800/4300/5600
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	50 Hz: 11 (optional: 18 or 24) 60 Hz: 11 (optional: 21 or 28)
Scoring saw motor (kW)	1.5 (optional: 2.2)
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HKL 300*	
Saw blade projection (mm)	80 (optional: 95)
Cutting lengths (mm)	Rip saw: 3200/4,300/5,600 Cross-cut saw: 2200
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Rip saw: up to 90 Cross-cut saw: up to 130
Main saw motor (kW)	50 Hz: 11 (optional: 18 or 24) 60 Hz: 11 (optional: 21 or 28)
Scoring saw motor (kW)	1.5 (optional: 2.2)
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

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

\* Based on the standard features  
\*\* Forwards 25 m/min

## Panel dividing saws in the 4 series

The saws in the 4 series are impressively solid and powerful. That's something they have in common with the machines in the 3 series. However, thanks to their greater saw blade projection, they produce more output in a shorter time. This makes the saws in the 4 series high performers for industry and the trade.



### More is always possible!

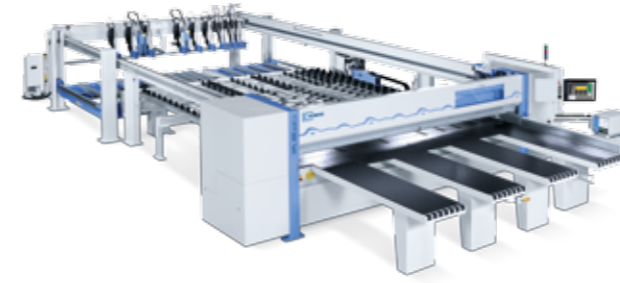
Saws in the 4 series come with extensive standard features and can be extended individually. Numerous additional technologies are available for this – just like for the saws from the 3 series.



### HPP 400 – powerful and ready for more

The HPP 400 is ideal for growing businesses and anyone who produces medium to large batch sizes – thanks to its high performance, speed, and reliable technology, as well as saw blade projections of 110 mm and 125 mm.

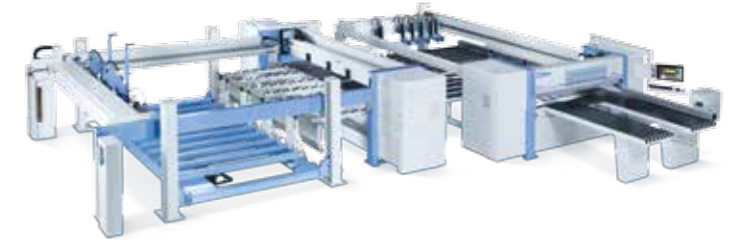
TECHNICAL DATA FOR THE HPP 400*	
Saw blade projection (mm)	110 (optional: 125)
Cutting lengths (mm)	3200/3800/4300/5600
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	50 Hz: 18 (optional: 24) 60 Hz: 21 (optional: 28)
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function



### HPL 400 – for cutting at a fast pace

The HPL 400 is a high-performance saw for processing larger numbers of panels to finished cut quality. It is reliable, with a high throughput at a high speed thanks to features such as the lifting table for automatic feeding.

TECHNICAL DATA FOR THE HPL 400*	
Saw blade projection (mm)	110 (optional: 125)
Cutting lengths (mm)	3200/3800/4300/5600
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	50 Hz: 18 (optional: 24) 60 Hz: 21 (optional: 28)
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function



### HKL 400 – for high volumes and precision in continuous operation

The angular saw unit cuts panel materials both longitudinally and crosswise fully automatically with a high degree of precision and saw carriage speeds of up to 150 meters per minute!

This makes the HKL 400 ideal for large quantities. The angular saw unit also comes with HOMAG patented dustEx technology as standard.

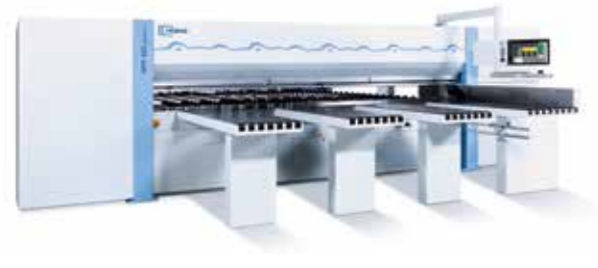
TECHNICAL DATA FOR THE HKL 400*	
Saw blade projection (mm)	110 (optional: 125)
Cutting lengths (mm)	Rip saw: 3200/4,300/5,600 Cross-cut saw: 2200
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Rip saw: up to 90 Cross-cut saw: up to 130
Main saw motor (kW)	50 Hz: 18 (optional: 24) 60 Hz: 21 (optional: 28)
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

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

\* Based on the standard features  
\*\* Forwards 25 m/min

## Panel dividing saws in 5 and 6 series

The HOMAG saws in the highest performance class have impressive no-compromise technology and an enormous material throughput. This is combined with maximum ease of service and maintenance for a long saw service life.



### HPP 500 profiLine – advantage through size

The HPP 500 has impressive innovative technologies and massive dimensions. The saw blade projection of 150 mm or even 170 mm alone promises enormous performance in panel dividing.



### HPL 500 profiLine – a powerhouse with automatic feed

Equipped with a massive lifting table for automatic feeding and numerous innovative technologies, this saw will add even more speed and precision to your production processes.



### HKL 500 – high output in a short time

As a fully automated angular saw unit, the HKL 500 sets standards in industrial production. The high-tech saw is suitable for multi-shift operation and integration into industrial production lines.



### HKL 600 – the high-performer

HOMAG's largest angular saw unit is a true powerhouse for series production. It is distinguished by enormous material throughput, innovative technologies, and extremely easy service and maintenance.

TECHNICAL DATA FOR THE HPP 500*	
Saw blade projection (mm)	150 (optional: 170)
Cutting lengths (mm)	3200/3800/4300/5600/6500
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	50 Hz: 24 (optional: 47) 60 Hz: 28 (optional: 54)
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HPL 500*	
Saw blade projection (mm)	150 (optional: 170)
Cutting lengths (mm)	3200/3800/4300/5600/6500
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	50 Hz: 24 (optional: 47) 60 Hz: 28 (optional: 54)
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HKL 500*	
Saw blade projection (mm)	150 (optional: 170)
Cutting lengths (mm)	Rip saw: 3200/4,300/5,600 Cross-cut saw: 2200/2700
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Rip saw: up to 90 Cross-cut saw: up to 130
Main saw motor (kW)	50 Hz: 24 (optional: 47) 60 Hz: 28 (optional: 54)
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HKL 600*	
Saw blade projection (mm)	190
Cutting lengths (mm)	Rip saw: 3200/4,300/5,600 Cross-cut saw: 2200/2700
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Rip saw: up to 90 Cross-cut saw: up to 130
Main saw motor (kW)	50 Hz: 47 60 Hz: 54
Scoring saw motor (kW)	2.2
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

### The highlights of 5 series and 6

#### Advantages and strengths

- Very easy service and maintenance
- Innovative extraction geometry
- Designed to ensure smooth material flow and precise logistics processes
- Cleaning flaps at the front and rear
- Two-finger clamps

#### SORB TECH mineral compound

- Torsion-resistant and stable
- Absorbs vibrations
- Quiet
- Tension-free
- In comparison with steel support constructions, this means: 10 x greater vibration damping

- 20% greater sound absorption
- 30% longer service life for saw blades
- 40% less primary energy use during manufacturing
- Even greater precision for cutting

#### Saw carriage

- Innovative dust extraction technologies
- Extremely easy maintenance, e.g. thanks to simple belt change procedure
- Well-thought-out design for minimal belt wear
- All main and scoring saw parameters can be stored. This means that the pair of saw

- blades can be fitted after sharpening without requiring any readjustment (available as an option if the scoring saw is motor-lifted)
- Saw carriage guidance with self-adjusting running wheels (patent submitted)

- Thanks to a special geometry, the chips are directed from the saw blade straight into the chip channel
- Only a few central lubrication points – each one is clearly marked and easily accessible



# Panel dividing saws in the Plastics series

The saws from P series can be used for all types of panel-shaped plastics materials. The range of machines is as diverse as the requirements. This is ensured by the HOMAG modular system with numerous additional technologies.



### HPP 200 P – the small machine for plastics

The HPP 200 P is both robust and powerful, and can be used for many purposes. In brief: It is a small but powerful plastics saw for processing smaller batch sizes quickly.



### HPP 300 P – the classic amongst plastics saws

The HPP 300 P is one of the most popular models in the Plastics series. With a 95 mm saw blade projection and a high processing speed, it can master daily use and high demands.



### HPP 400 P – more power for books

With a saw blade projection of up to 125 mm, the HPP 400 P can handle even larger books of panels without any problem – with the greatest level of precision and a high processing speed for plastics processing.



### HPP 500 P – plastics processing on a large scale

Innovative technologies, a rugged design, and an extremely fast processing speed make the HPP 500 P a high-performance saw for plastics processing.

Because it is constructed from SORB TECH mineral compound, it is low-vibration and torsion-resistant. It completes cuts with a high level of precision and is designed for continuous use in multi-shift operation.

TECHNICAL DATA FOR THE HPP 200 P*	
Saw blade projection (mm)	80
Cutting lengths (mm)	3200/4300
Saw carriage speed (m/min)	Up to 80 (optional: 120)
Program fence speed (m/min)**	Up to 80
Main saw motor (kW)	13.5
Operating software	CADmatic 4 PRACTICE
Monitor	19" TFT flatscreen display with optional touch function

TECHNICAL DATA FOR THE HPP 300 P*	
Saw blade projection (mm)	95
Cutting lengths (mm)	3200/4300
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	24
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HPP 400 P*	
Saw blade projection (mm)	125
Cutting lengths (mm)	3200/4300
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	24
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

TECHNICAL DATA FOR THE HPP 500 P*	
Saw blade projection (mm)	170
Cutting lengths (mm)	3200/4300/5600
Saw carriage speed (m/min)	Up to 130 (optional: 150)
Program fence speed (m/min)**	Up to 90
Main saw motor (kW)	47
Operating software	CADmatic 5 with powerTouch
Monitor	21" TFT flatscreen display with touch function

## HOMAG technologies for processing plastics

Saws in the P series have impressive technologies that HOMAG has developed in-house for requirements in plastics processing.

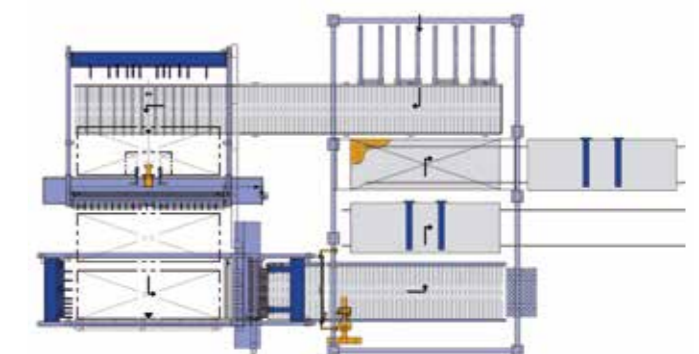
These include:

- Special saw blades
- Narrow-finger clamps

- Frequency-controlled main saw motor
- Reverse cutting for precise cutting of thin materials such as PETG
- Optional pressure regulation for clamps and pressure beam
- A machine table that fully equipped with air jets with dustEx technology. From the 3 series (HPP 300 P) upwards.

### Customized solutions

Extraordinary requirements demand special solutions. This is precisely what HOMAG offers you for plastics processing – from single saws to large systems. Your HOMAG sales consultant will be happy to advise you.



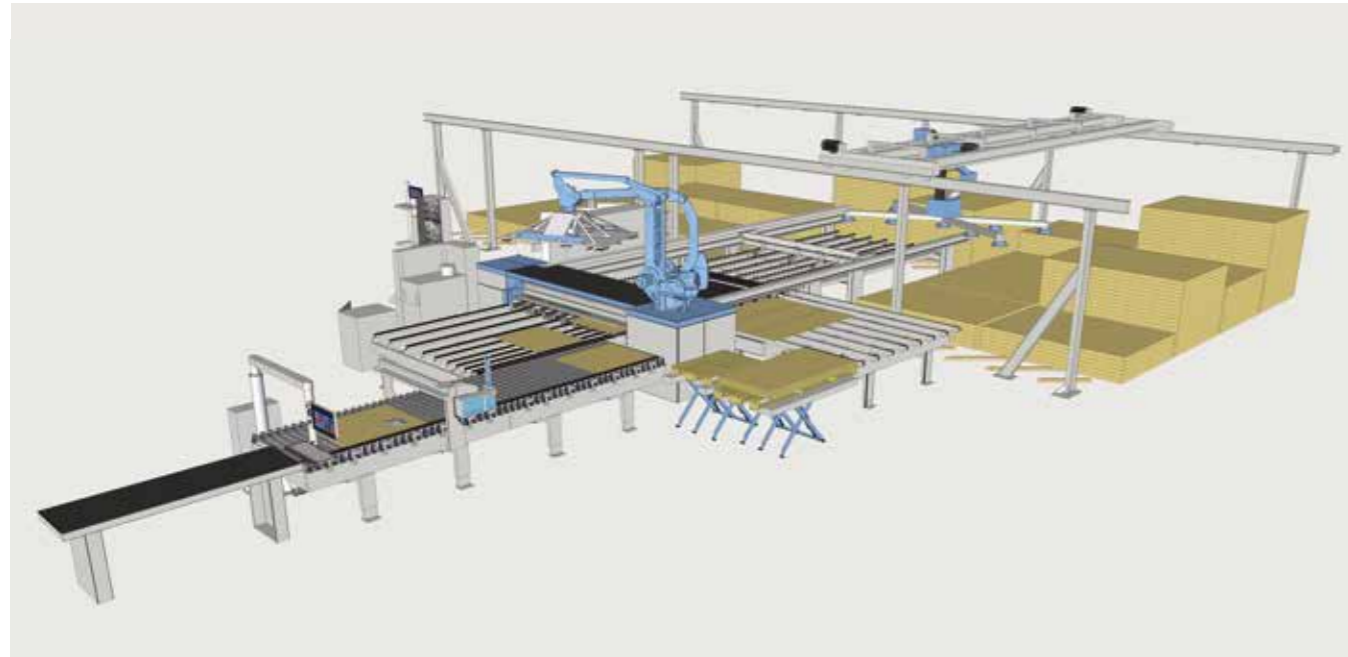
Illustrations may show the technical principle but not the precise machine variant described. For example, additional optional features may be shown.

\* Based on the standard features  
 \*\* Forwards 25 m/min



## HPS 320 flexTec panel dividing saw

Single-panel cutting, fully automated production processes, recuts without limit:  
These are the strengths of the HPS 320 flexTec in batch size 1 production.



### HPS 320 flexTec – single-panel cutting on a large scale

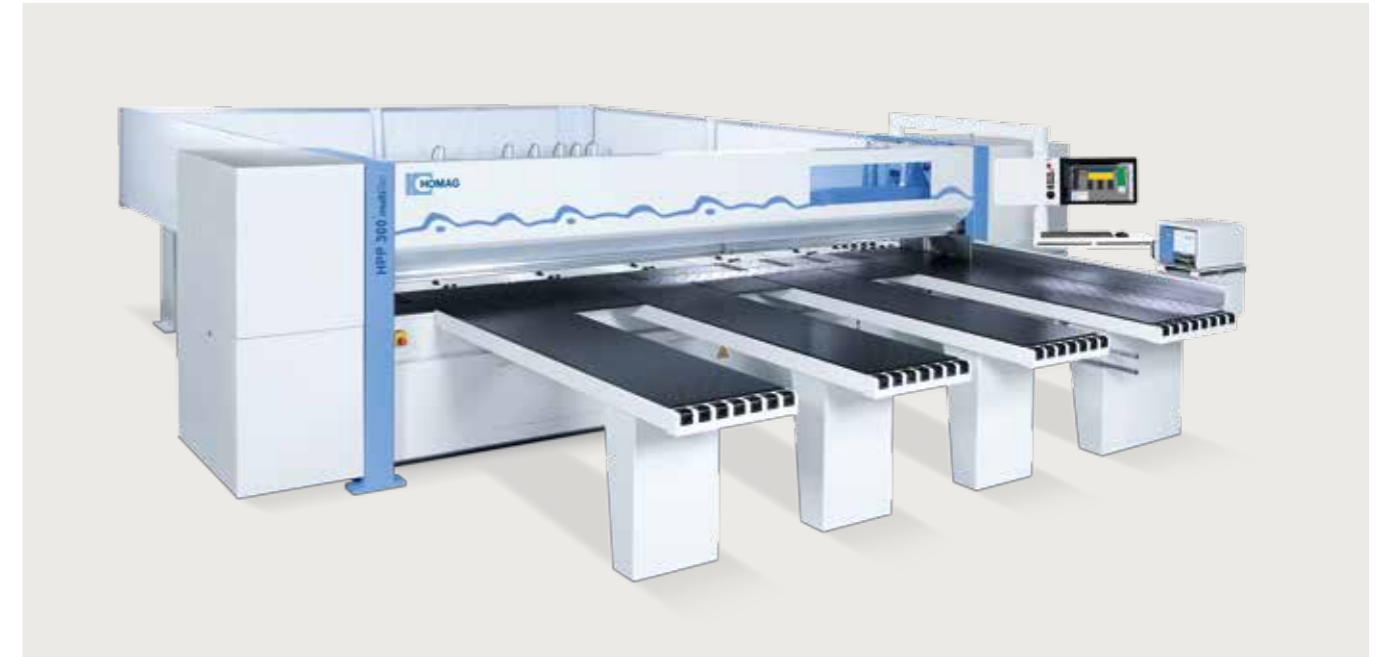
With this cutting cell, HOMAG is completely redefining the parts flow for single-panel cutting – regardless of whether this is as a stand-alone solution or interlinked. With fully automated processes, recuts without limit, and the option for periodically unmanned operation, you increase efficiency in production, giving you time for other tasks.

- The robot takes over all the panel handling
- Using the robot for destacking to lifting tables allows automated operation without personnel even in systems that are not interlinked (optional)
- For up to 1500 parts per shift
- All parts can be automatically labeled if required

TECHNICAL DATA FOR THE HPS 320 flexTec*	
<b>Saw blade projection (mm)</b>	58
<b>Cutting lengths (mm)</b>	3200/4300
<b>Panel dimensions (mm)</b>	Max. 3150 x 2200 for 3200 mm cutting length Max. 4300 x 2200 for 4300 mm cutting length
<b>Part size (mm)</b>	Max 2800 x 1200 Min. 240 x 80
<b>Program fence speed (m/min)**</b>	Up to 90
<b>Saw carriage speed (m/min)</b>	Up to 150
<b>Main saw motor (kW)</b>	50 Hz: 6.5 60 Hz: 8.0
<b>Operating software</b>	CADmatic 5 with powerTouch
<b>Monitor</b>	21" TFT flatscreen display with touch function

## HPP 300 multiTec panel dividing saw

Sawing, drilling, routing: The HPP 300 multiTec is the all-rounder for builders of facades and partition walls. With this new development, you can complete all three processing steps fully automatically on one machine!



### Ideal for builders of facades and partition walls

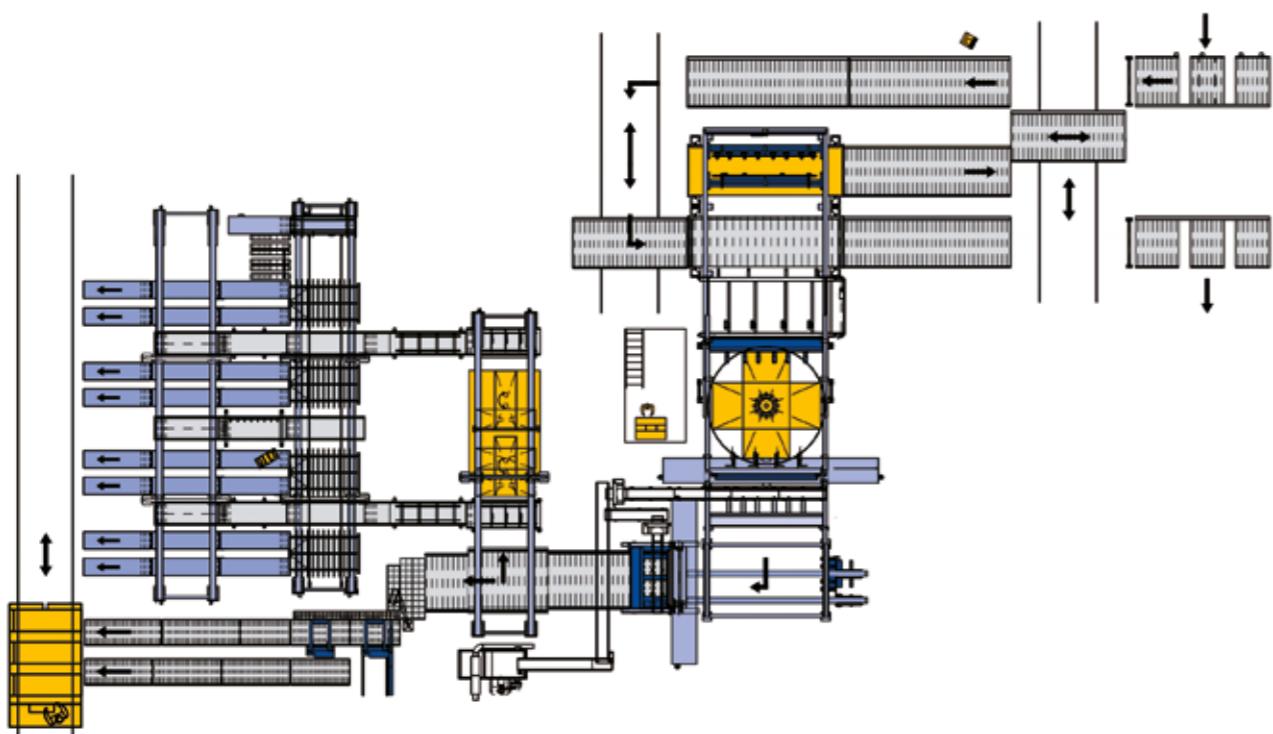
The HPP 300 multiTec saws, drills and routs in one pass. This allows you to produce ready-to-assemble elements with a high level of precision. This makes it more efficient, ergonomic and cost-effective than a production system based on multiple machines. It also saves you having to perform post-processing or drill installation bore holes on the construction site.

- Produce ready-to-assemble elements quickly, precisely, and with little effort using just one machine
- Drilling on the saw saves costs of over 60% compared with conventional processes
- More ergonomic and precise than processing with circular saws or vertical saws
- Suitable for almost all panel materials made from wood and plastics as well as panels made from plaster and composite materials on request

TECHNICAL DATA FOR THE HPP 300 multiTec*	
<b>Saw blade projection (mm)</b>	80 (optional: 95)
<b>Cutting lengths (mm)</b>	4300/5600
<b>Program fence speed (m/min)**</b>	Up to 90
<b>Saw carriage speed (m/min)</b>	Up to 130 (optional: 150)
<b>Main saw motor (kW)</b>	50 Hz: 11 (optional: 18 or 24) 60 Hz: 11 (optional: 21 or 28)
<b>Operating software</b>	CADmatic 5 with powerTouch
<b>Monitor</b>	21" TFT flatscreen display with touch function

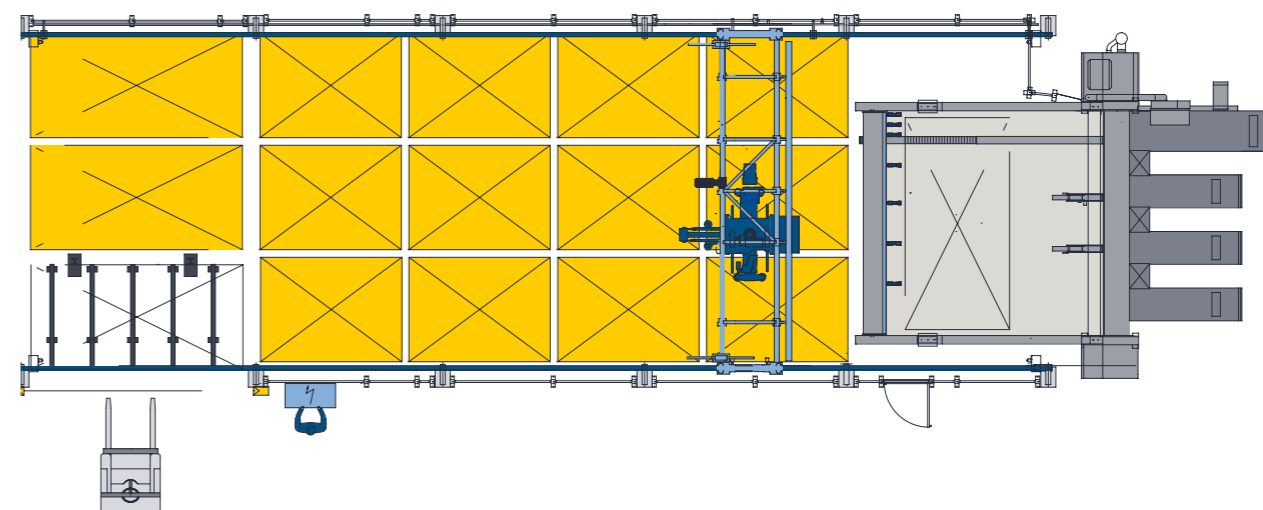
## Customized systems, plants, and handling solutions

“There’s no such thing as can’t” is the motto of HOMAG panel dividing technology. Therefore, with our unique modular technology, we offer you a wealth of expertise in machine construction. We can also develop customized solutions for your requirements on request.



### Large systems – advantage through systems competence

As the global market leader in horizontal panel dividing technology, the saw manufacturers at HOMAG can also design customized system solutions. The options range from small systems with a panel throughput of 3 m<sup>3</sup> per hour up to large systems for more than 100 m<sup>3</sup> per hour. Perfectly integrated into the respective production line, with a complete storage system integration and intelligent software solutions, HOMAG ensures high-performance on a large scale – regardless of whether you require batch size 1 production or series production.



### Handling

In addition to machine and software solutions, HOMAG also offers various handling systems. These include feeding systems that are used from the front (e.g. Econolift), as well as solutions for rear machine feed (e.g. Easy2Feed, purely push-feed systems, the 2-in-1 system for push-feeding together with integrated vacuum feeding, or purely vacuum feeding systems).

Added to this are various destacking options which merge to form a holistic destacking concept (e.g. Ergomat, the Domino System, Liftomat, rake destackers, and clamp destackers). These components are supplemented by a large modular system of lifting tables, roller conveyors and special systems (protection board ejectors, alignment tables, etc.).

Furthermore, the experts at HOMAG Plattenaufteiltechnik also design larger, customized handling systems, including intelligent storage concepts on request.

### Saw-storage combinations

- Numerous combinations from small to large, aligned to your requirements
- Saw and storage system “speak one language”
- Software and hardware compatibility
- Efficient, clear processes
- Material-friendly handling
- High level of automation, even with the smallest combination
- Saves costs, time, and material
- Optimized material flow
- Profitable when cutting 30 panels per day and over
- Only one operating terminal
- Precise cutting
- Many options for part labeling

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