

# We open doors.

**HE HOMAG**

## **Industrial door production**

Batch size 1 production · Series production  
Complex individual parts

## **YOUR SOLUTION**







# Industrial door production

Doors used to be a mass-produced product with little variation in design. As such, many existing production plants are designed for standardized production. Modern door production plants from HOMAG combine the benefits of this proven technology with the latest machinery. Flexible drive and adjustment technology, paired with modern control technology, offers the option to produce changing products for the customer mix. Our modular plant concepts cover a range of performance classes: from entry-level machines with manual parts handling to fully networked plants for a production process with minimal personnel. With plants from HOMAG, you're equipped for an efficient, industrial, future-oriented production process!

## YOUR SOLUTION

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



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## Networked worldwide — HOMAG is always at your side

**Individual customer requests, demanding products and a wide variety of materials** — the needs of your customers are constantly growing. And this means that the challenges for you and your production grow too. Our aim is to offer you the solutions you need to accommodate the desire for individuality. To produce flexibly and efficiently and set trends in the industry. We support wood processing businesses of any size on their way to the top. With machines and technologies that grow with your business — including the right software solutions and service.



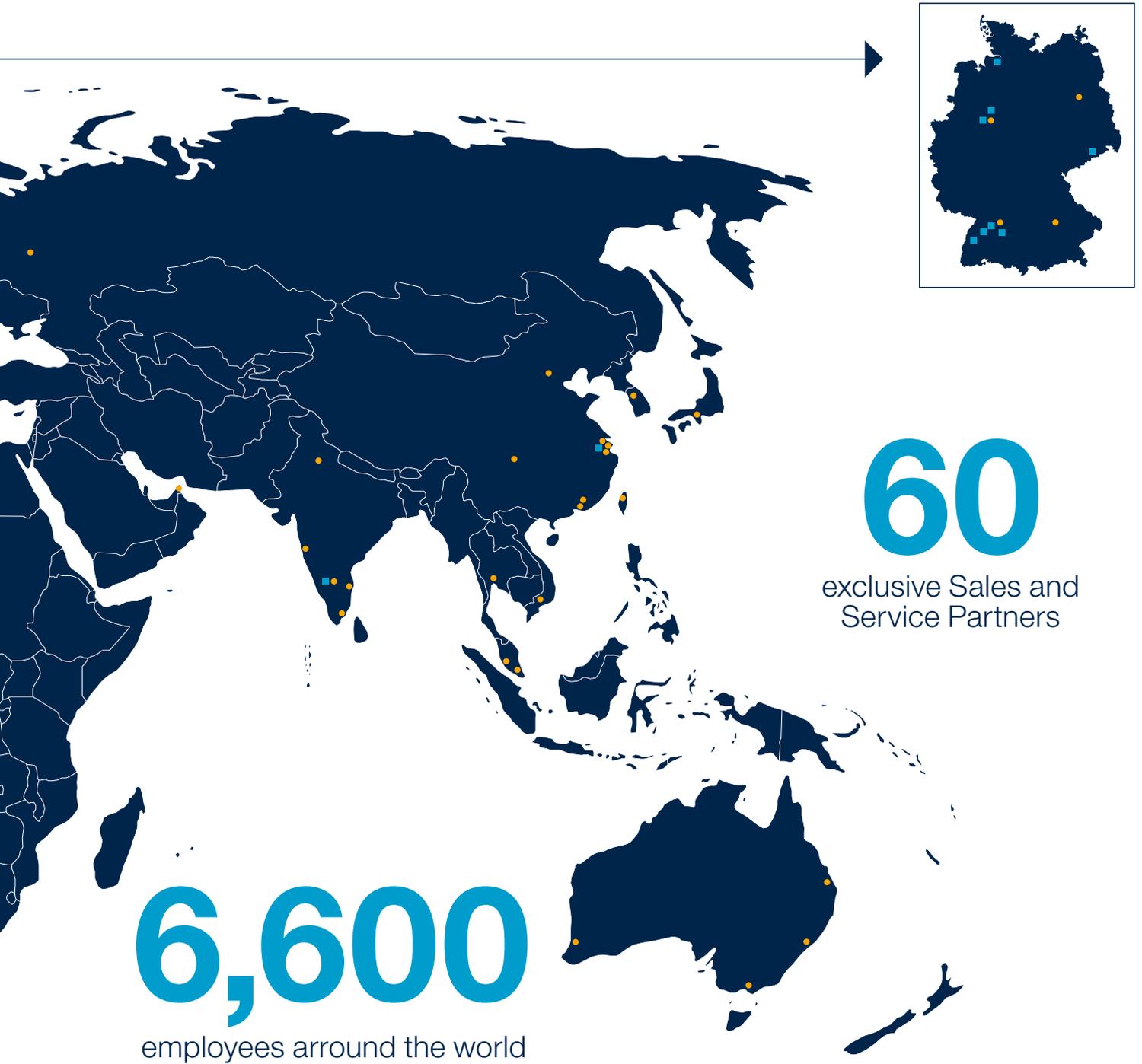
14

Production Sites  
worldwide

23

Sales and Service  
Companies

■ HOMAG PRODUCTION SITE



**6,600**  
employees around the world

**60**  
exclusive Sales and  
Service Partners

● HOMAG SALES & SERVICE COMPANY

# HOMAG: Everything from a single source

## **AT OUR CUSTOMERS' SERVICE WORLDWIDE**

- The world's leading supplier of machinery and plants for the wood processing industry with a global market share of 28%
- Present in over 90 countries around the world
- More than 60 sales partners on all continents
- 15 production sites in Europe, Asia and America
- 23 internal sales and service companies
- More than 50 years of experience
- Steady growth through corporate values and successful strategy
- Over 6000 employees



## **PERFORMANCE THROUGH INNOVATION**

Storage, sawing, edge banding, drilling, setting fixtures, surface processing, handling and packaging — with the wide product range from HOMAG, combined with intelligent software, you will benefit from custom solutions to meet your individual requirements.

## **STRONG INDIVIDUALS — UNBEATABLE TEAM**

HOMAG offers high-tech solutions using the latest machine technology and continuous control in order to successfully plan sophisticated interlinked systems. Our solutions cover the full spectrum of systems, from series production to batch size 1.

# HOMAG Systems: Specialists in your success

## MOTIVATED BY YOUR REQUIREMENTS

Customer-specific solutions, the creation of complete systems and excellent industry knowledge are the key elements that set HOMAG Systems apart.

The delivery of your specific system or cell is based on years of experience, high quality standards, a modular machine construction, and perfect performance from project planning to handover. An expert project team will support you in all phases of the project and contribute to the project's success.



### Simulation for maximum performance

Dynamic production processes are represented by realistic and configurable models. With simulation technology, the expected performance can be assessed on the basis of your product range.

### Benefits

- Information on productivity / throughput times
- Bottleneck analysis/optimization
- 2–4% savings on investment sum
- Investigation of fault scenarios
- Interactive system optimization
- Avoidance of oversizing
- Minimized business risk
- Shortened commissioning

### Objectives

- Minimized throughput times
- Maximized plant performance
- Shorter ramp-up phase for new installations
- Objective evaluation criteria for production



We offer YOUR SOLUTION throughout the process chain YOUR SOLUTION



Production  
planning / process  
optimization ➤



Financing ➤



Construction ➤



Data generation ➤



Planning ➤



Storage ➤

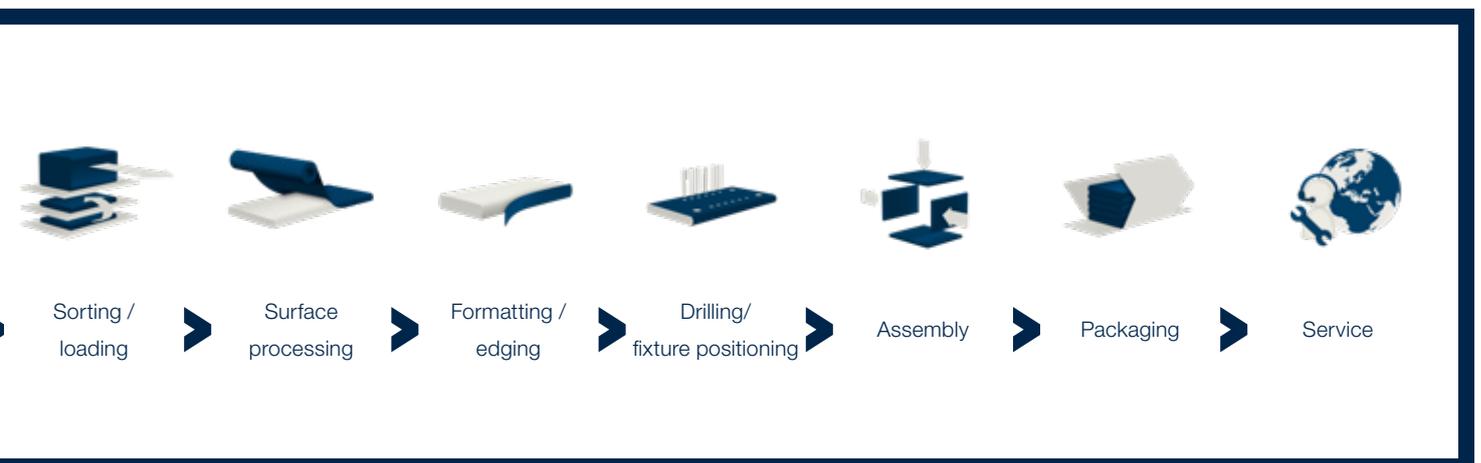


Cutting ➤



## The route to the finished workpiece

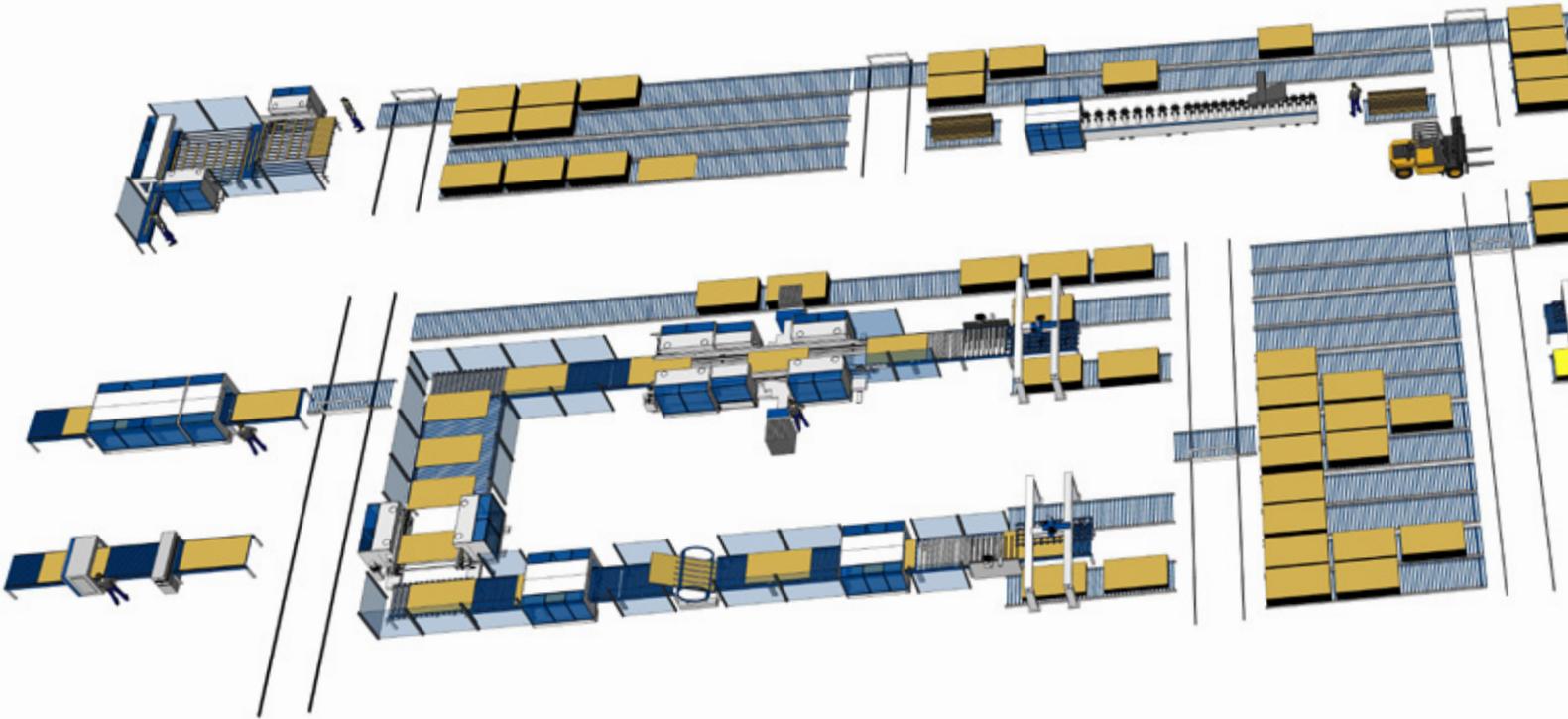
Our strength lies in covering the complete process chain in your production process. As a manufacturer of individual machines and complex production systems—including the integrated software—we offer the right solution to meet your requirements and wishes so that you can produce your desired workpiece in optimal quality for your customers. From consulting and planning to financing, production including automation solutions, and ultimately assembly and packaging of workpieces – we support you and develop your business together with you. We also work with you to optimize your production processes.



## Flexibility with batch size 1 production

Particularly in these times of high variant diversity, keeping production costs competitive through the optimum use of resources, short throughfeed times and minimal inventories

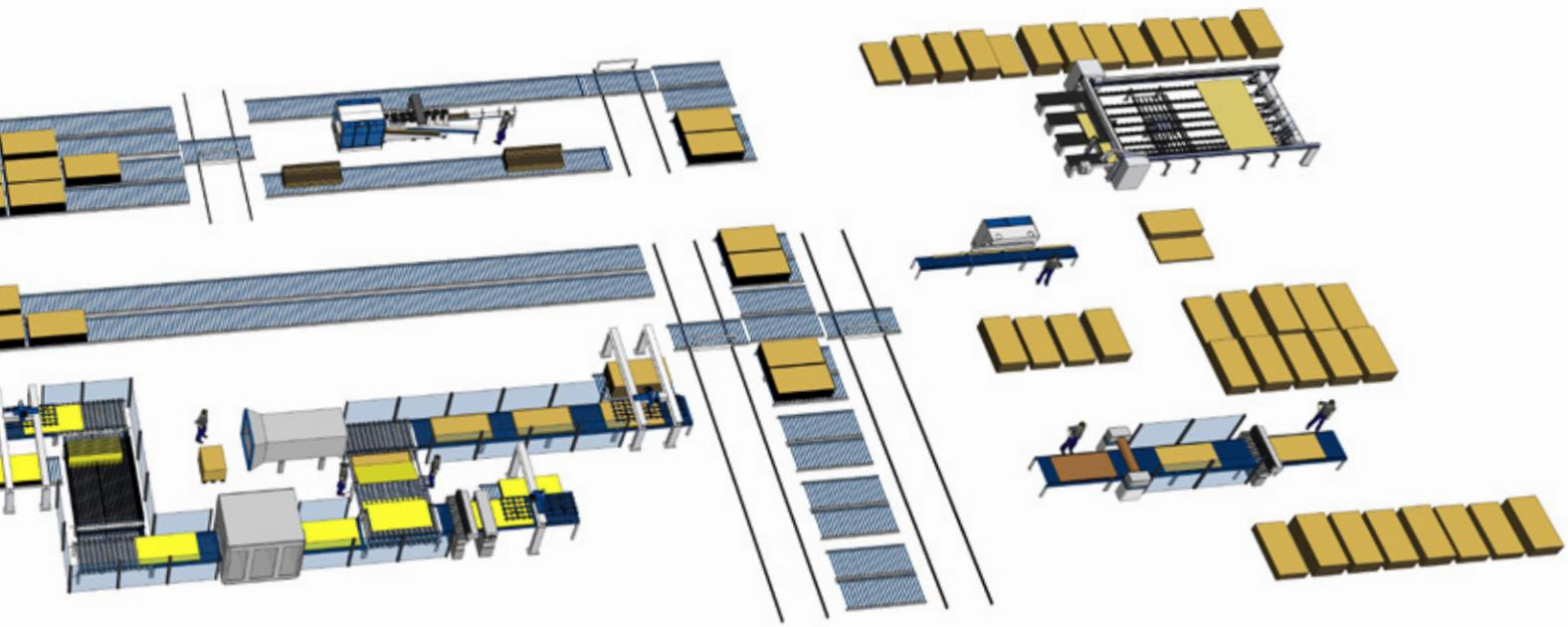
can make that decisive difference. Benefit from HOMAG's industry expertise, many years of experience and in-depth knowledge of the widest product range from a single source.



### Flexible solutions for processing door elements

HOMAG provides high-performance, cost-effective machines, plants and systems for producing door elements. We cover all steps in the process, from cutting the raw materials to packaging. Highly efficient production technology complemented by a uniquely comprehensive service package is the key to guaranteeing competitiveness in international markets.

A system for success. That's what HOMAG represents.

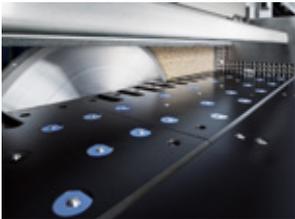


#### **Door leaf processing:**

With manufacturing solutions from HOMAG, you can produce high-quality door leaves in the most cost-effective way. We offer you the most suitable technology for the production of virtually all door leaf variants: for doors with a wide variety of functions, profiles, edge forms or fillings, made from different materials and with all common surfaces. The requirements of the markets are different, but the best response is always the same: machine technology made by HOMAG.

## Keep door leaf processing under control:

It doesn't matter what type of door leaves you want to produce or how many – HOMAG has exactly the right system for you, perfectly suited to the specific tasks you need to carry out. Following intensive consultation and a requirements analysis, we take over the entire engineering process. We then combine the most suitable machines, including control technology, software and all handling and transportation/logistics services required, to create a tailor-made production system – a system that will bring you even greater success.



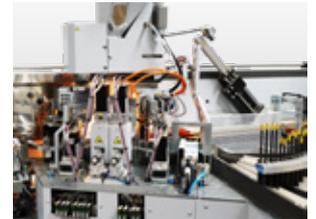
Cutting



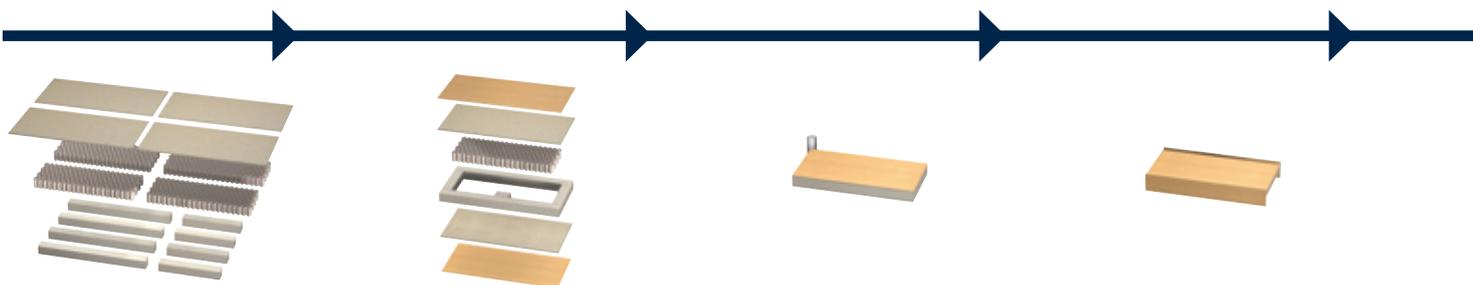
Door leaf production



panel sizing



Edge processing





**Straight edge**



**Inclined (3–5°) edge**



**Single rebate**



**Double rebate**



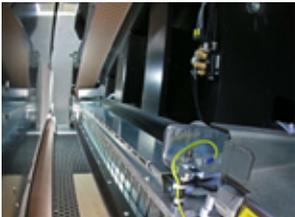
**Overhang profile with inclined edge**



**Overhang profile with cornice**



**Overhang profile radius**



Surface processing — sanding, painting and laminating



Lock and hinge processing



CNC-processing



Packaging



## System concepts

**We focus on your needs! Depending on the desired performance, we rely on tried-and-tested system concepts.**

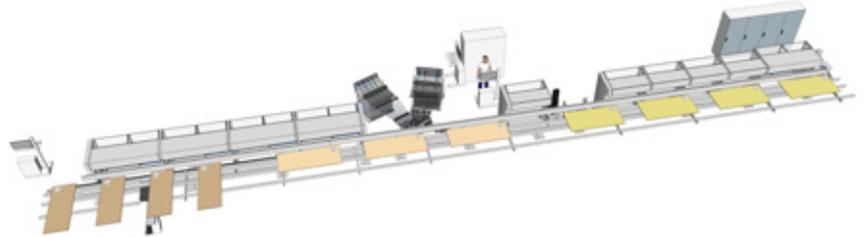
We work with you to adapt these to your requirements. We start with the most important issue: your door. Non-rebated doors, single or double rebate doors, different profile variants at the edges or a high-quality thick edge in zero joint technology – with our machines, you are equipped for all eventualities. When it comes to setup, our plants are suitable for production in small batches, down to batch size 1. That means you can respond flexibly to your market in the future. By using different machine concepts and interlinking them, we adapt the performance capability of the system to meet your requirements. From as early as the planning phase, we are able to use extensive simulation methods to make a valid performance assessment. Simulation of the flow of materials is an important tool for making plausible performance assessments over the entire production line, particularly in customized handling solutions. We work with you to optimize the respective plant concept and meet your requirements: It's a successful investment!



**CELL CONTROL SYSTEM** The machine technology offers the option of faster setup. As a consequence, our customers are able to manufacture products of a variety of different types in an increasingly order-based process. This requires a consistent flow of information, from order entry right through to the machines in the respective production cells.

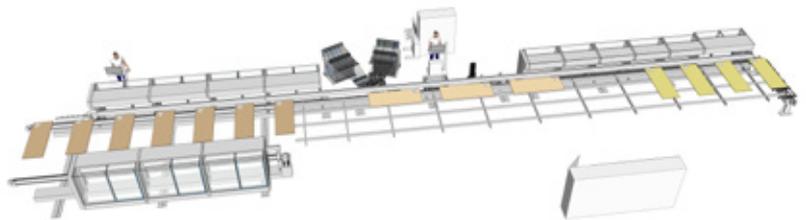
HOMAG uses scalable cell control systems for reliable control and seamless integration of production cells, both horizontally as well as vertically in the user's business process. Every day, more than 1,000 cell control systems from HOMAG in different performance classes prove their performance capability worldwide!

## Performance class



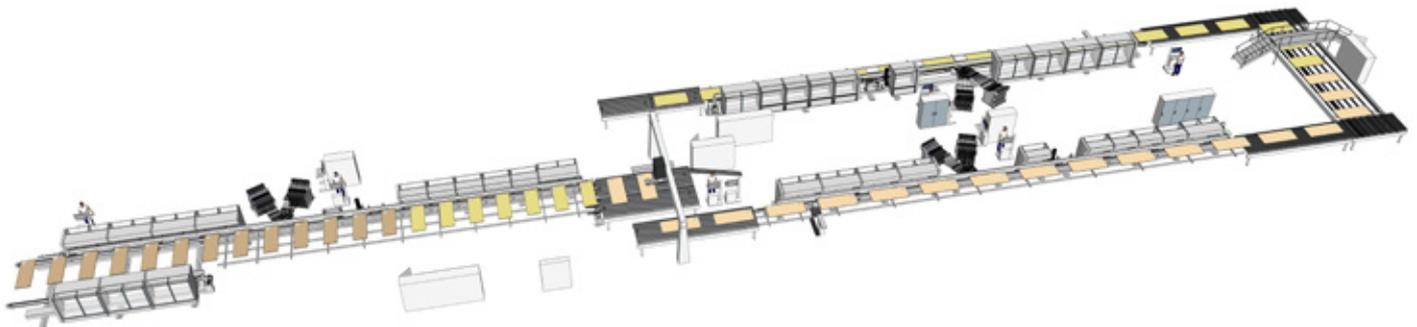
### PERFORMANCE CLASS 1:

- One-sided machine.
- Each processing step is completed in a separate throughfeed operation.
- For outputs of 400 to 600 door leaves per shift.



### PERFORMANCE CLASS 2:

- 1 1/2-sided system.
- Simultaneous processing of head and threshold side.
- A door leaf is fully processed in three throughfeed operations.
- For outputs of 700 to 1,000 door leaves per shift.



### PERFORMANCE CLASS 3:

- Interlinking of three machines to form a highly flexible and powerful production line.
- Doors can be fully processed in one throughfeed operation.
- For outputs of 2,000 to 3,000 door leaves per shift.

## Zero joint | Door rebate gluing and thick edge

This is down to the increasing demand for quality in ever more popular white doors. It is possible to produce visual zero joints with melamine and ABS/PP edge material. In addition to the perfect visual effect, the use of ABS edging (now also available for rebated edges) with a thickness of up to 2 mm also achieves a substantial improvement in shock resistance on longitudinal edges.



**1** Zero-joint finish  
“just like paint”

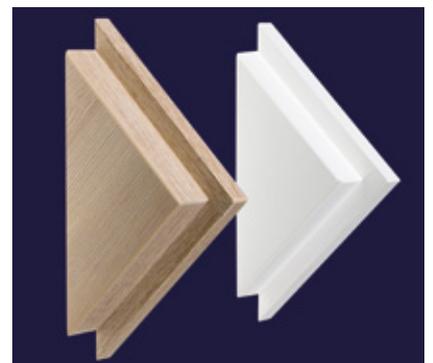
**2** All edges with the thick edge –  
shock-resistant

### Rebated edges with zero-joint finish:

HOMAG has further developed the airTec method especially for door production.

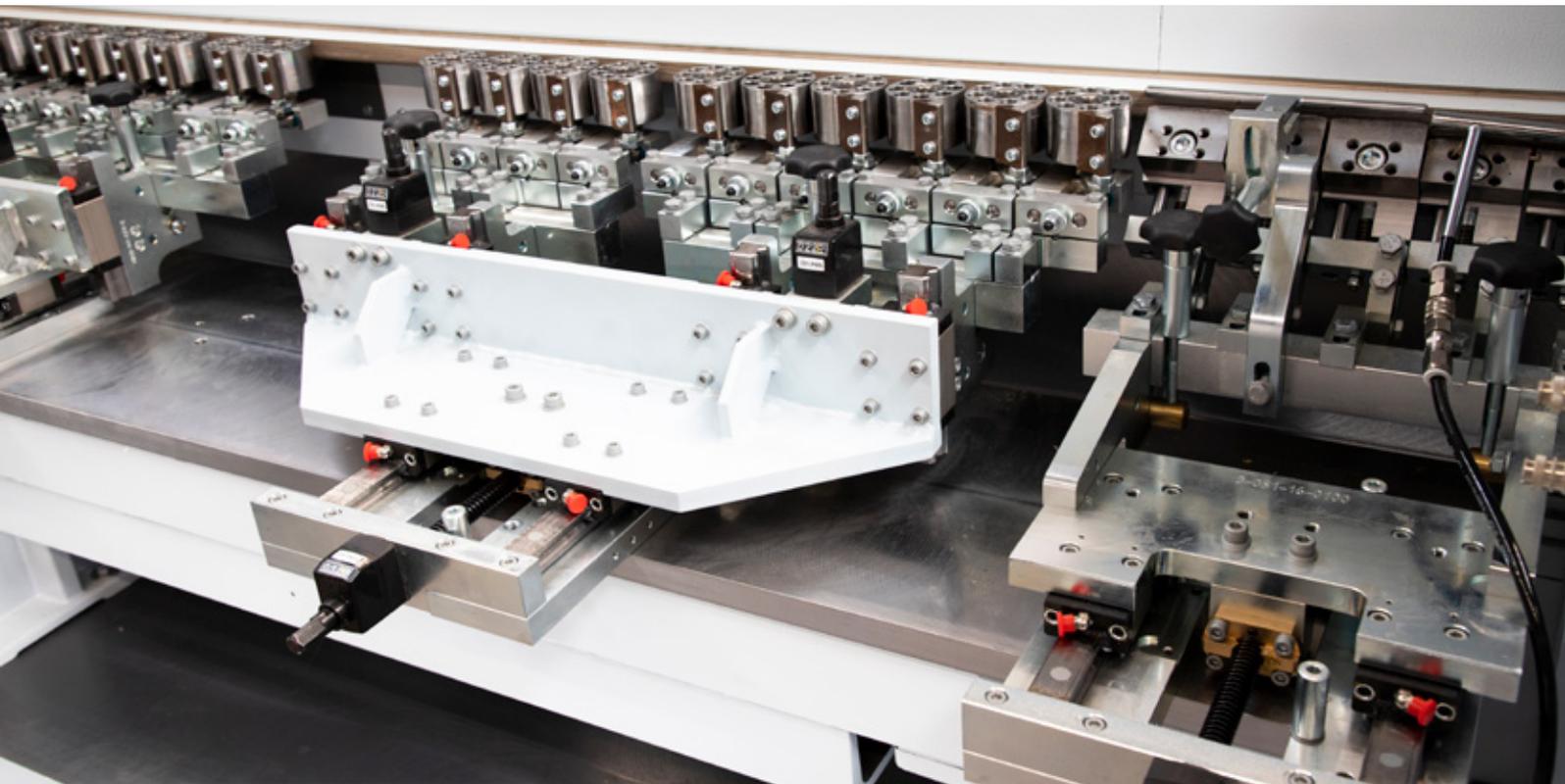
Benefits at a glance:

- High-quality finish
- Improved durability
- Increased shock resistance
- Better moisture resistance



## Modern look with post-forming direct process

The post-forming direct process from HOMAG opens up new possibilities in the production of door leaves and risers. It enables a modern and angular appearance to be combined with excellent performance characteristics and an economical production process.



### New requirements with a modified process

For many years, the post-forming direct process has enabled components made from pre-coated boards with a uniform finish on the surface and narrow side and in the edge overhang to be made in a single work step. Until now, this process has mainly been used in door production to make components with conventional large radii.

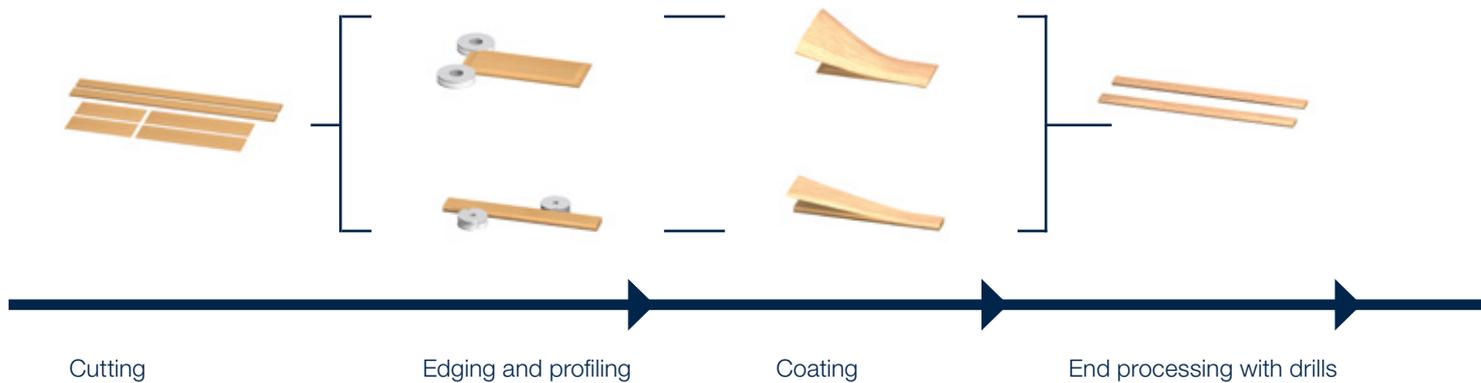
The current trend away from large radii to an angular look opens up further application possibilities for this method. Unlike the conventional method, the cover material is not placed around the trimmed radius. Instead, a rebate edge filled with hot-melt glue is made from the cover material and covering layer of the carrier

material. This results in a more modern look thanks to the small radii, and creates components with optimal performance characteristics, such as a high level of resistance to scratches, dents, bumps, chemicals and fluids.

As there is a continuous top layer in the surface, narrow surface and overhang, the elements have the same appearance and resistance on all visible surfaces. The fold in the covering layer of the carrier material improves the quality of the narrow surface. Instead of being carried by the partially coarse middle layer, the cover material is carried by the fine and pressure-resistant top layer material, which ensures ideal adhesion of the coatings.

## Variety of shapes for frame and filled doors

Even the classic hardwood door places high demands on manufacturers and machines in terms of quality and technology: right from cutting the raw material to size and manufacturing the moldings and fillings through to the completed, glued and packaged door leaf. HOMAG provides a variety of solutions across the process chain that are essential for producing frame and filled doors in a seamless, cost-effective way. Whether the parts are solid wood, veneered or film coated, or whether the door leaf is made of two, three or more fillings or glass inserts, the variety of options and shapes in the world of frame and filled doors is endless and provides something to satisfy every customer's needs.



### Creating diversity: Frame and filled doors with HOMAG

Thanks to the variety that characterizes frame and filled doors, each manufacturer can offer customers a unique product. Even smaller manufacturers can be extremely successful in this market using the simplest tools imaginable. The appearance of a door can be customized with very little extra effort during the

production process. The variety of frame and filled door styles is almost endless, and gives each manufacturer plenty of scope for creativity. Countless design variations plus modern and classic touches can be achieved, meaning each individual design requirement for frame and filled doors can be fulfilled.



**Economical production of individual designs in the smallest batch sizes is becoming a critical success factor.**



Door leaf assembly

Fixture processing

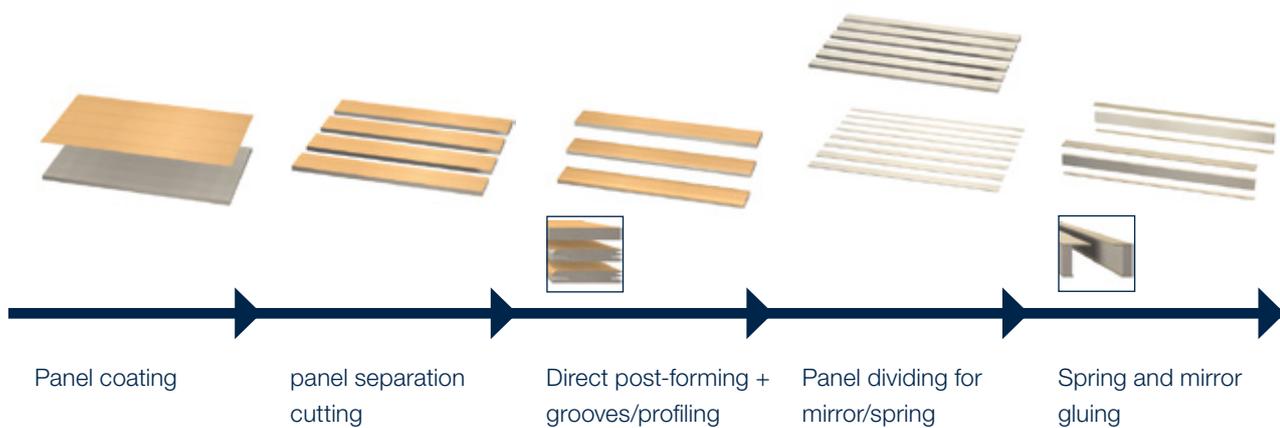
Surface laminating

Packaging



# Manufacturing solutions for frames: Complete and efficient — from a single source

For frame production, HOMAG offers optimal production plants that are particularly powerful and extremely economical. Whether you want to produce wrap-around frames or block frames, whether in small, medium or large numbers — let us know your needs and we will develop exactly the solution to complete all necessary tasks efficiently and reliably. Manufacturing processes are available for riser and cladding production.



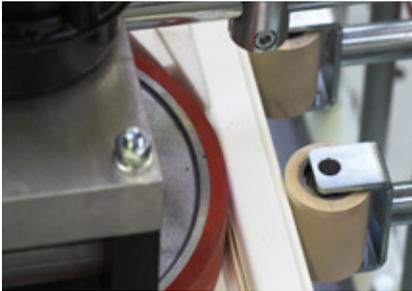
## One system for everything.

Our solutions cover your entire process chain for all types of frame designs. The performance and functional scope of our systems include:

- Feeding
- Cutting raw materials to size
- Manufacturing of risers
- Profiling
- Coating/wrapping
- Direct post-forming
- Manufacturing of panel brackets
- Gluing strips
- Profiling
- Coating/wrapping of the bracket
- Wrapping block frames
- End, hinge and lock plate processing including assembly
- Packaging
- Stacking/palletizing



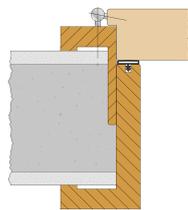
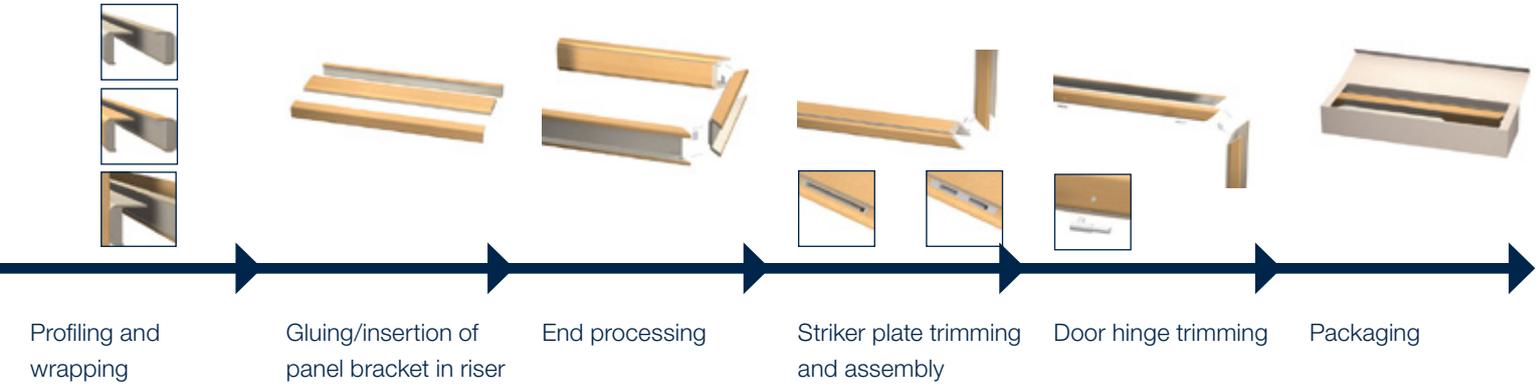
Considerable edging magazine



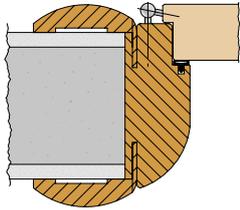
Spring gluing



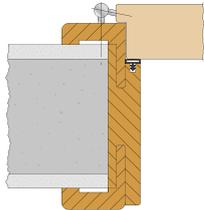
Packaging technology



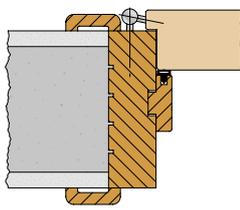
Two-piece wrap-around frame



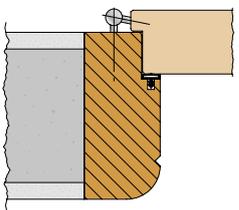
Three-piece wrap-around frame



Block frame with ornamental trim



Block frame with attached strip



Single-sided block frame strip

# Saw-storage combination

## SAWTEQ B-300 | STORETEQ S-200

### Profitable from just 30 panels a day

Saw-storage combinations from HOMAG prove profitable from just 30 processed panels a day. They are particularly recommended if you produce smaller batch sizes and a large variety of materials. The benefits for you:

- You maintain a permanent overview of the material and pending tasks.
- Automated processes protect the material and employees.
- You reduce expensive time spent on secondary tasks, such as searching for materials and loading the saw manually. It all adds up to a rapid return on investment.

### Optimized flow of material and data

Saw and storage operate in the saw cycle and are perfectly coordinated. This results in an efficient flow of material and data between the storage, saw and downstream processing stations.

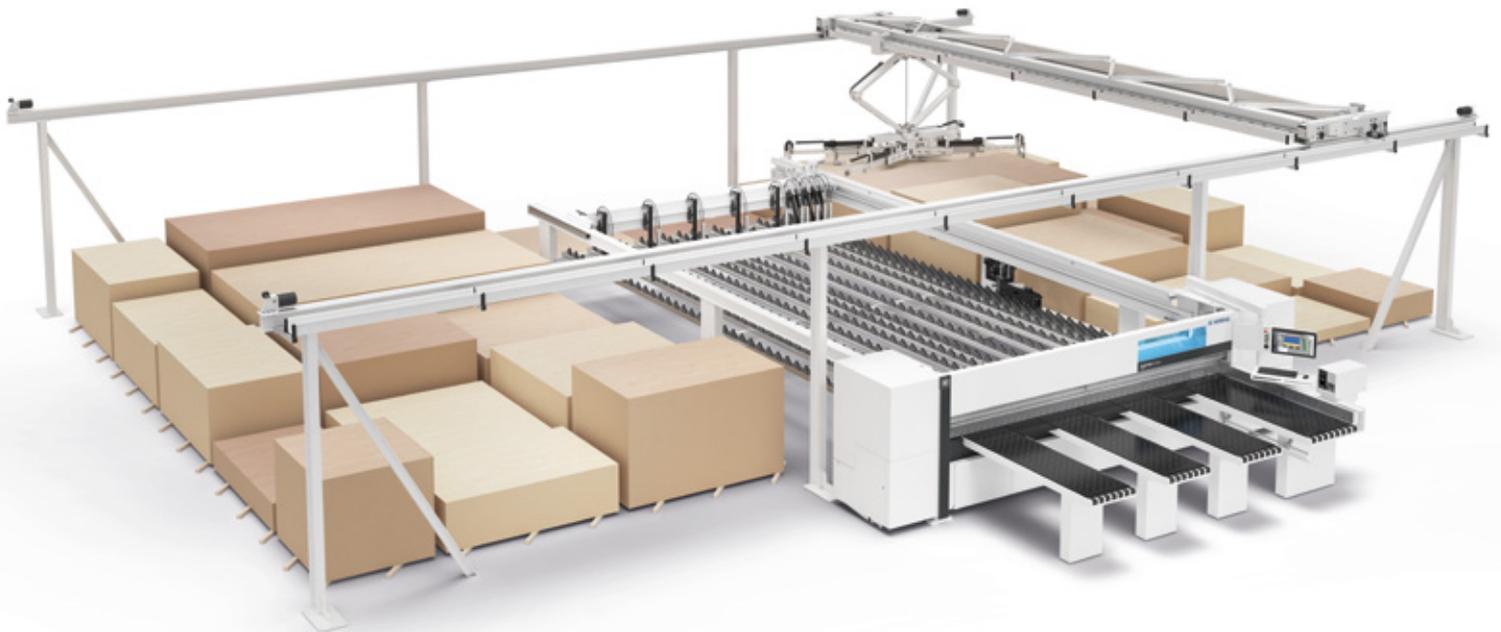
### Better organization and overview

Our software solutions relating to saw-storage combinations improve organization and overview. For example:

- You always know what materials are in stock — in units and financial value.
- You can even create tapio-based cutting patterns if required. Send them online to the saw, and the storage and saw will know what to do.
- The CADmatic saw control system is easy to understand, and the integrated graphics guide the operator safely through the process. Only HOMAG offers this solution.
- On request, all parts can be marked automatically after cutting, which is perfect for the downstream processing stations or the offcut storage.

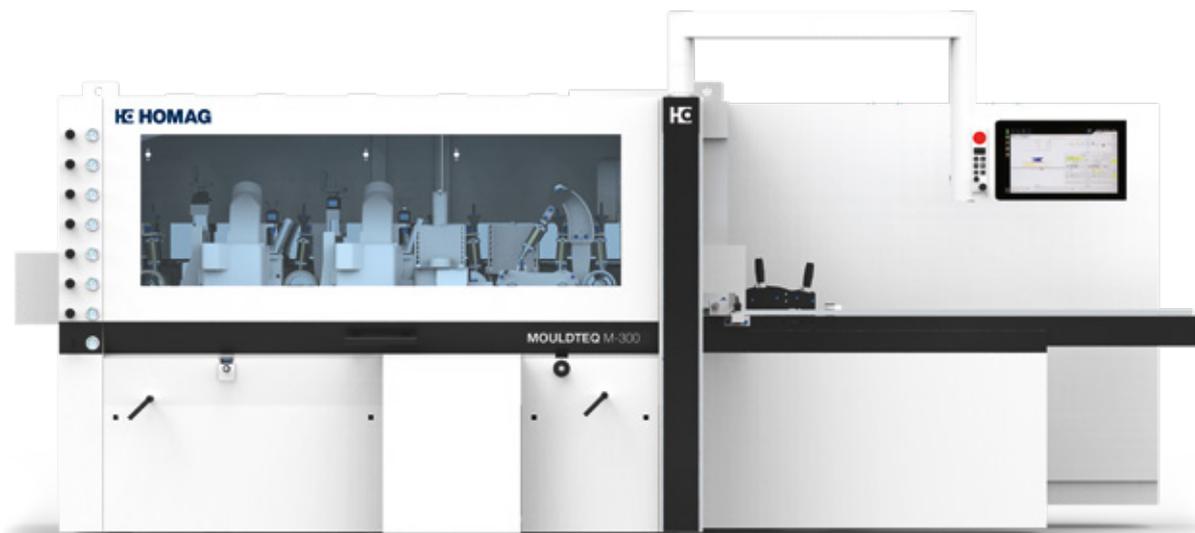
### Tailored solutions

From S to XXL — HOMAG offers a wide range of saws and storage solutions. Once you have found your desired model, you can adjust it to suit your needs.



# Moulding

From four-sided planing to complete profile processing, the production of solid wood doors, fronts and fillings requires the use of a planing and profiling machine at many points in the process chain. Our MOULDTEQ M-300 series combines state-of-the-art technology with a robust machine construction. You will benefit from intuitive machine operation and maximum quality in a single machine, ensuring that you are ideally prepared for the future of door production.



## MOULDTEQ M-300

### Smart control. Precise profiling. On four sides.

- Flexibility thanks to variable feed and variable spindle speed
- Intuitive machine operation via powerTouch
- Quick set-up with proLock spindle clamping system
- Ideal power transmission, as each spindle is driven by its own motor
- spindles with 5,5-18,5 kW
- 2 in 1: Combination valley and profiling machine
- Low-vibration design due to solid, cast-steel machine frame
- Extremely short parts achievable, from 300 mm

**5-8** spindles  
with variable feed speed

Variable spindle speed from 2nd spindle onwards of  
**4.000-8.000**  
rpm for optimal workpiece quality

Workpieces with  
**300** mm length possible

## Surface coating

With furniture or other fittings, the first impression is often defined by their surface. That is why surface finishing is the crowning glory at the end of what can sometimes be a lengthy manufacturing process. It is therefore essential to use a finishing process that gets the most out of the resources that have already been invested in the workpiece. Painting and laminating are processes that meet these requirements superbly.



### PAINTING

No matter what type of doors you manufacture and no matter whether they are made of solid wood or wood materials, HOMAG offers machines for both surface painting and profile painting. Our solutions are adapted to the needs of medium-sized companies and industrial enterprises. And as you would expect from a surfaces specialist, we provide everything from application technology, to essential drying systems, right through to material handling. With its paint systems, HOMAG offers the right solution for high-quality painting of your surfaces.



### Our range of surface spraying machines:

- Different types of spray arm (oscillating slide runners or cartesian coordinate robot).
- Varying number of spray arms.
- Different transport systems (with paper support or self-cleaning belt).



### Our profile painting range:

- Profile sanding machines
- Profile painting machines
- Drying systems
- Material handling



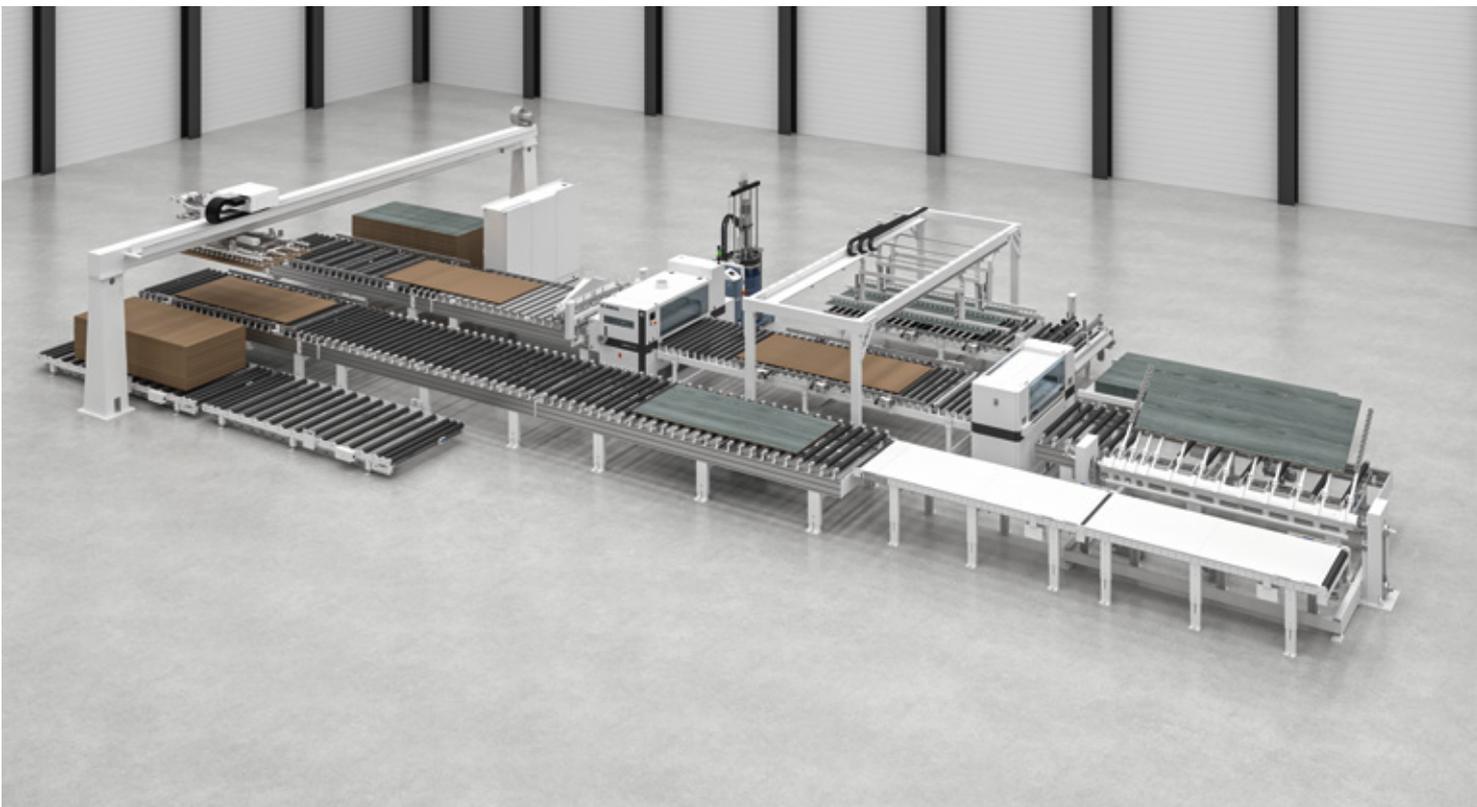


#### Key facts

- Setup for all machines is controlled by barcode.
- Operation of cell parameters via a centralized control system with an option to connect to higher-level ERP systems.
- Integrated cleaning for carrier material and coating material.
- Wide range of parts from 400 x 400 mm to 1600 x 3,600 mm.
- Double-sided laminating is possible with a single-sided system without any additional manual handling
- Machine-controlled placement of the coating material.

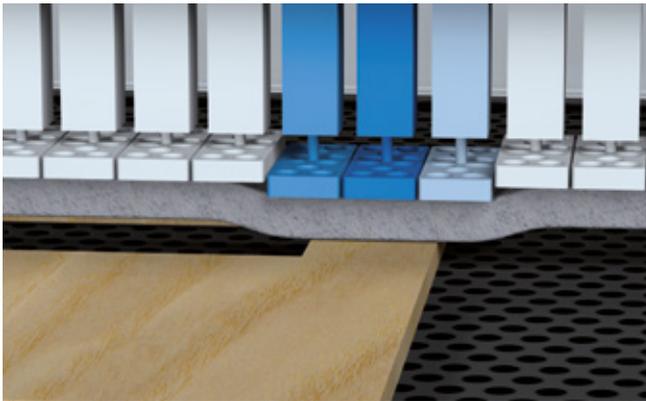
### LAMINATING

A PUR laminating system that leaves nothing to be desired. Thanks to this cell concept, the extensive mechanization allows a large production quantity to be realized while requiring few staff. All process steps are automated, which means operating personnel only monitor continuous production and ensure a high level of quality.



# Sanding

For more than 70 years, HOMAG sanding technology has been renowned for its powerful wide-belt sanding machines and innovative surface processing. This includes universal and special sanding machines for calibration, fine sanding and varnish sanding.



mps 



Up to **5** heads in a single machine frame

Processing width  
**1.350** mm  
 1650 mm as an option

**10<sup>5</sup>** Unit combinations

## SANDTEQ W-300

### When perfection is required.

- High-quality sanding results thanks to acp®, eps® or mps® pressure beam systems
- Easily adjustable thanks to infinitely variable feed speeds (2.5 – 13 m/min.)
- Highly versatile thanks to independently powered sanding units with a drive power of up to 30 kW
- Q unit for efficient cross-sanding and high gloss — ideally suited to veneer, varnish, and filler sanding.
- Multifunctional X unit — calibration sanding, fine sanding, super finish with a lamellar pressure belt in a very small area combined in one unit

## Throughfeed technology

The EDGETEQ S-810 powerLine edge banding machines are perfect for manufacturing non-rebated doors or rebated edge doors. They offer freedom, performance, and flexibility in every direction. HOMAG technology enables fully automated edge processing, even for rebated edges. The robust design of the machine frame and the advanced technology of the rolling block link chain ensure that your doors are processed with the highest dimensional accuracy and cost-effectiveness. The optimized chip and waste piece disposal and the targeted use of several drives enhance machine availability and service life.



**The machines can be configured to produce the**

**following:**

- Postforming profiles on overhang
- Double rebates
- Rebated edges with zero joints
- Simple non-rebated doors
- Zero joint and thick edge in the rebate

## Double-end tenoners

Thanks to their robust design, low-wear technology and high level of availability, double-end tenoners from the TENONTEQ D-500 are exactly the right choice for manufacturing doors, fronts and panels.



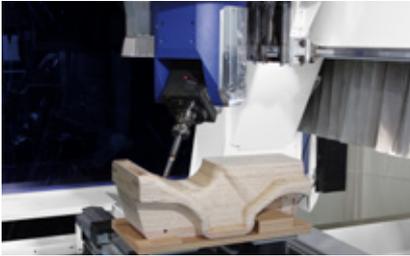
### **TENONTEQ D-500**

**Compact introductory solution for double-sided dimensioning work.**

The powerful double-end tenoner, the smallest of the HOMAG series, can be freely configured for tasks of all kinds: angular and diagonal cuts, profiling, rebating, grooving, sanding and corner processing.

- High-powered chipping motors
- Precise formatting and profiling thanks to high-rigidity and low-vibration machine frame
- Solid wood processing without tearing thanks to insertion control with synchronous and reverse rotation

## CNC processing: CENTATEQ P-500



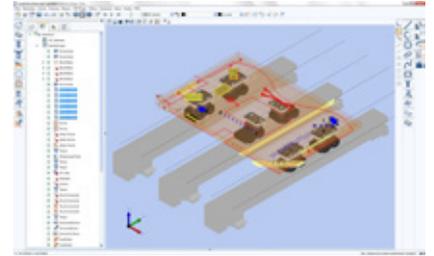
### DRIVE5 five-axis technology

Milling lock casings, bore holes and grooves for fixtures, miter cuts for frames. HOMAG five-axis technology for high performance at maximum flexibility.



### Sensoflex tracing system

Perfect workpiece quality — the traced spindle equalizes all uneven areas and tolerances. Full flexibility as tracing can be used for various tools.



### woodWOP

- Numerous standard processing steps such as milling, drilling or saw cuts enable fast and reliable programming
- Variant programs can be quickly and easily created by using variables
- The woodMotion simulation allows you to simulate processing steps before they are performed on the machine



**Rapid tool change:** As it is designed with two trimming spindles, the chip-to-chip times are reduced and productivity is increased. While one spindle mills, the second inserts the tool for the next processing step.



Clamping fixture for facings: Vacuum clamping fixture for a pair comprising rebate and ornamental facings according to customer design. Mounted on a base plate module.



# CENTATEQ S-800|900 rod processing center

**KEEP A “GRIP” ON EVERYTHING.** The new gripping and clamping technology opens up new possibilities for profile design

⇒ Future proof for new door systems

**HIGH PERFORMANCE IN A SMALL SPACE.** Parallel processing of multiple components and fast tool change,

loading and removal at one point ⇒ Compact space, ergonomic operation, lower investment and operating costs

**EVERYTHING IN ONE MACHINE.** Integration of all components: straight parts, curved parts, doors and supplementary elements

⇒ One machine, one data interface, one tool set



**Door leaves:** Complete processing of front door leaves for independence and creative design possibilities.

## Custom, environmentally friendly packaging — made with a PAQTEQ

With HOMAG you're investing in flexible solutions. Because whether it's series production or batch size 1, whether in "stand alone" operation or as a complex packaging line — machines in the PAQTEQ series adapt flexibly to customer requirements. And they grow with your tasks: Depending

on the requirements, a cardboard cutting machine, folding machine, sealing machine, robot insertion station or robot palletizer can be individually combined into a complete packaging line.

### PACKAGING PROCEDURES AND CONCEPTS:

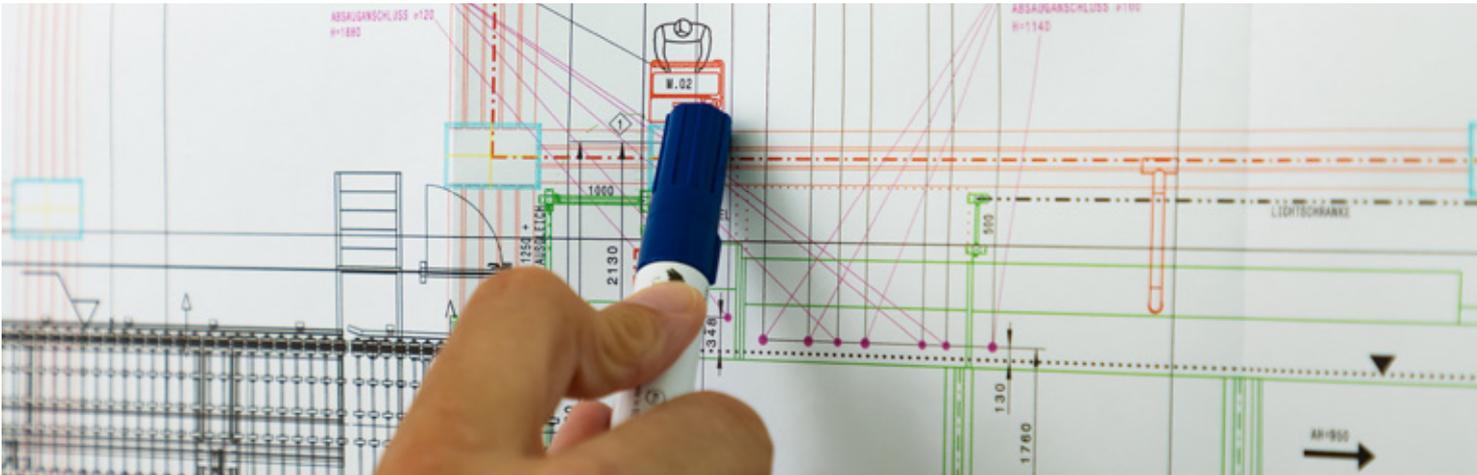
- Individual cardboard cutting for batch size 1 or Loading of finished cuts
- Folding/uprighting
- Feeding
- Sealing in cardboard or foil
- Picking and destacking
- Stack packaging



# We solve complex tasks with complete automation

Free-forming and complex processing is particularly challenging as part of a fully automated production process. We use intelligent solutions to create manufacturing cells from CNC processing centers, with automatic material

handling and specific additional tasks. HOMAG offers solutions with coordinated machines that enable cost-effective industrial manufacturing up to batch size 1.



Customer-specific solutions, the creation of complete systems and excellent industry knowledge are the key elements that set HOMAG SYSTEMS apart.



Raw materials logistics



Automatic dummy board handling



Handling/feeding



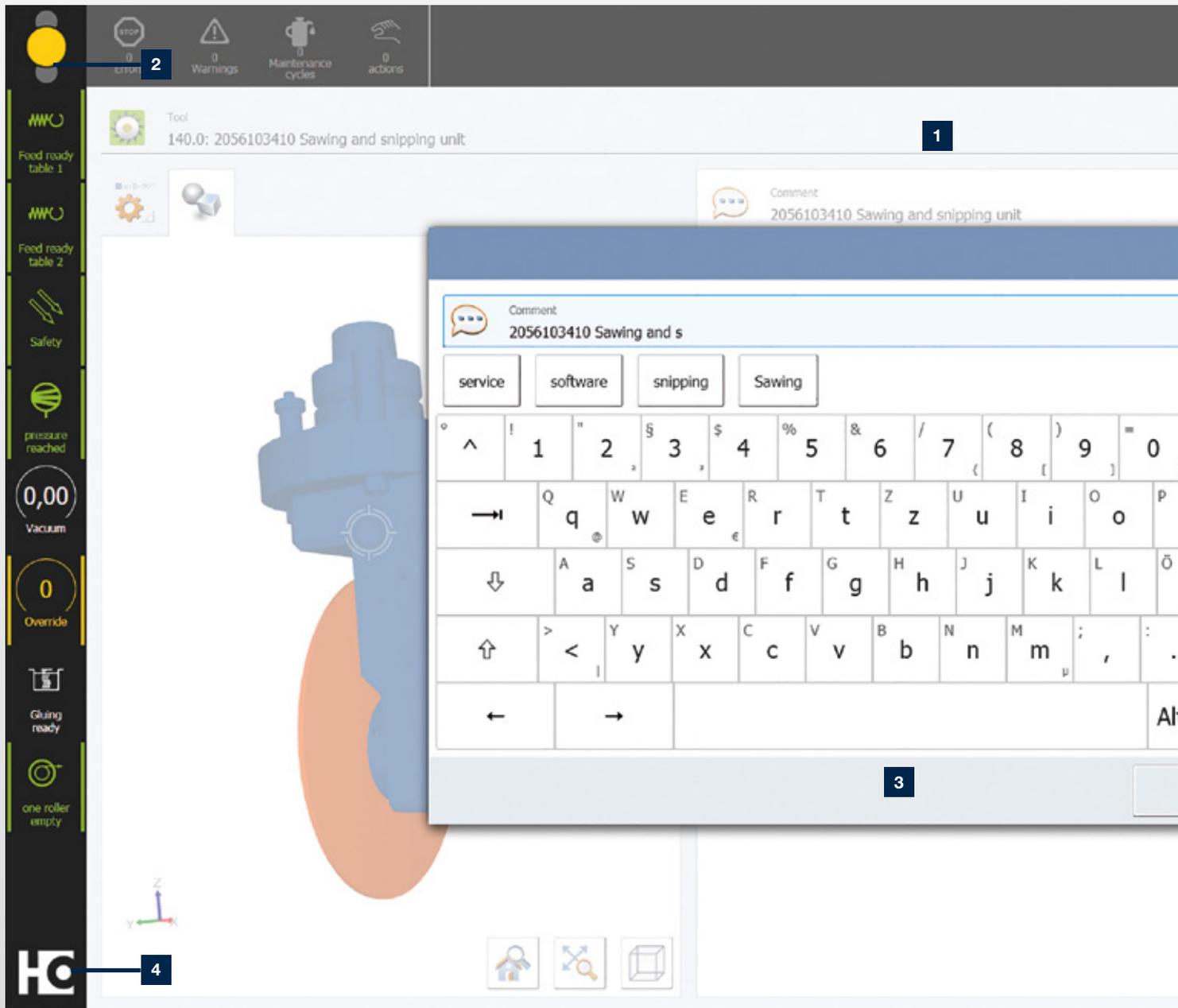
Edge processing



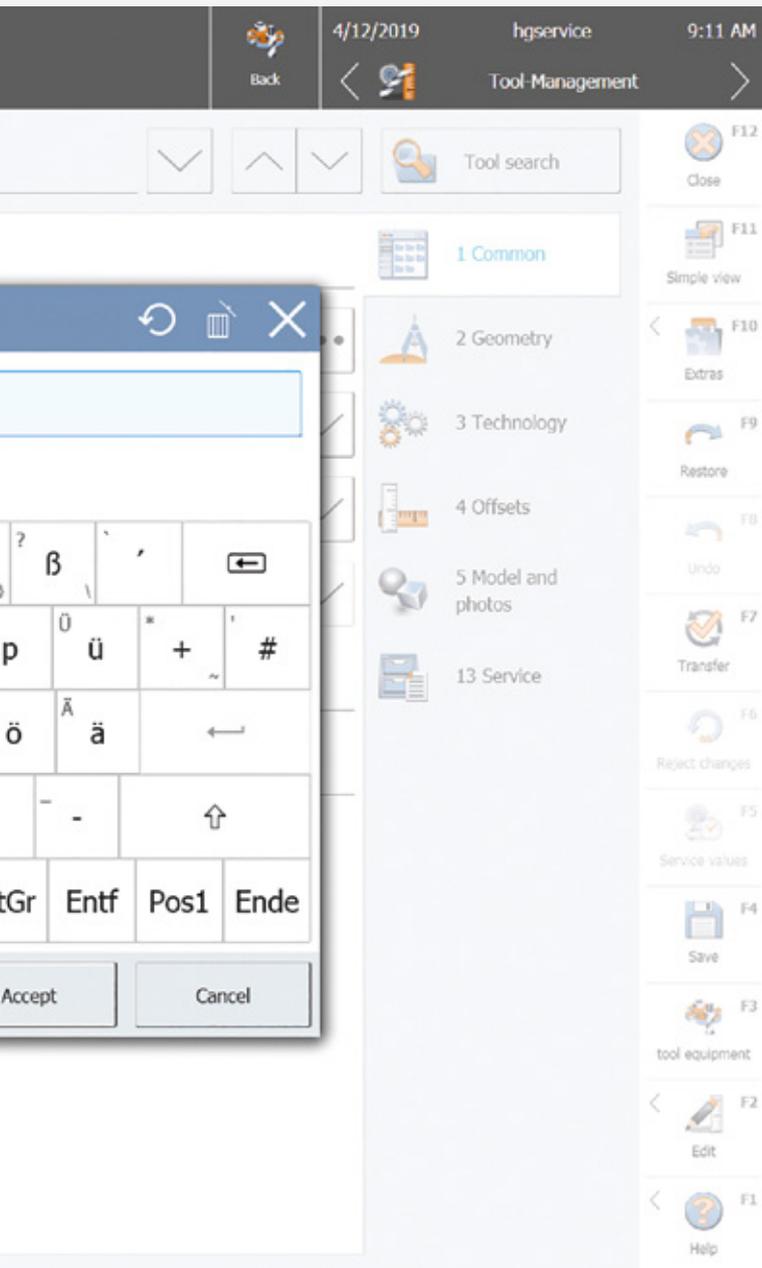
Handling/destacking



Warehouse logistics



- 1** The powerTouch2 screen is clearly structured. You can see all the important information at a glance, but you still have all the details.
- 2** We have also improved the traffic light dialog further. You can now directly influence the machine's production readiness by selecting actions via the traffic light icon.
- 3** A functional pop-up keyboard that can be kept open, including automatic word completion for faster entries (when you enter the first letters, frequently used applications are proposed and you can select them directly).
- 4** Enhanced „Start“ menu with additional information displayed (e.g. an indication of how many messages are currently pending or status bars that show the progress of the application) and direct access to actions (e.g. confirmation of actions without having to jump to the application).



## The next generation of powerTouch: **powerTouch2**

Faster, more comfortable, clearer: Enjoy the benefits of our further improved powerTouch user interface. We have optimized our standardized operating concept and further adapted it to our customers' requirements. Controlling your HOMAG machines is now even faster and more intuitive. The new, modern design has a clear structure. The innovative touch operation allows you to achieve the desired result easily and comfortably.

With the new powerTouch generation, you can enter information at your machine even more quickly. Compared to the previous version, you can achieve a time saving of up to 30%. This is possible thanks to new features, such as automatic word completion, a pop-up keyboard that can be kept open and Windows-like functions, such as the selection of common actions directly via the start button.

Our successful powerTouch philosophy – **standardized, simple, ergonomic, evolutionary** – consistently further developed



### THE HIGHLIGHTS AT A GLANCE:

- Direct and efficient operation, up to 30% faster
- Clearer and more informative thanks to additional information and live illustrations instead of program icons
- New applications for operating and controlling machines and systems (e.g. NCCenter in the PC87 control system on CNC machines or woodCommander 4 on throughfeed machines)
- Fresh, attractive design, based on the new HOMAG machine design

# System control system



## woodFLEX

Interlinking individual machines to form a plant requires powerful software to control the cell.

- Graphical representation of the cell
- Representation of the material flow in real time
- Tooltip for more information on the component
- Clear status display
- Various import and export options



## Identification solutions

HOMAG is your reliable partner when selecting and designing marking and identification solutions. From selecting encoding media to integrating reading and marking systems, we will help you to implement your individual project.

- Mobile and stationary labeling solutions and scanning systems for 1D and 2D barcodes
- RFID read and write units



## Factory control



- Production system for the control of processes and material flows
- Production planning and monitoring of production progress
- Updatable and scaleable
- increased transparency, efficiency and supervision



## Cell control system



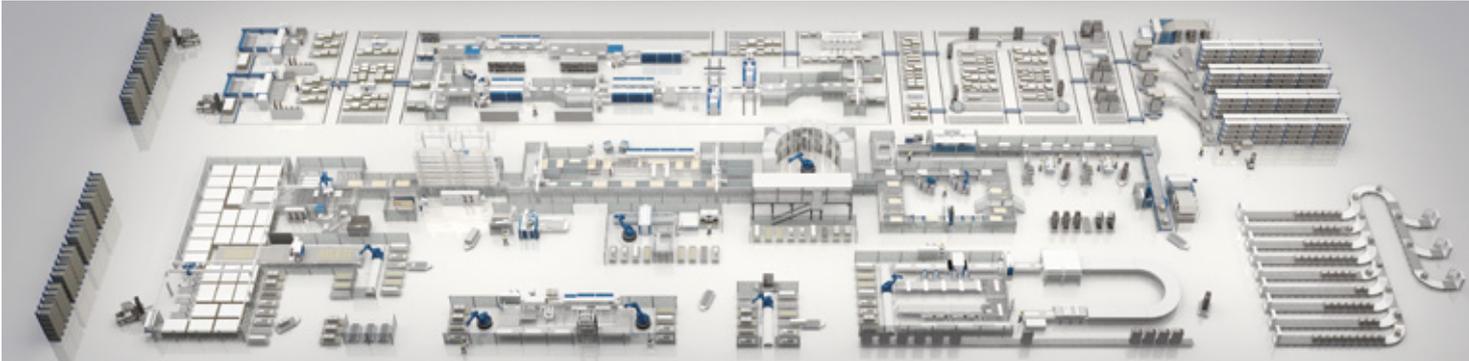
- Distribution and tracking of data in the production network
- Visualization of the material flow
- Editing of data records
- Interface between factory control system and machine control unit



## Machine control unit



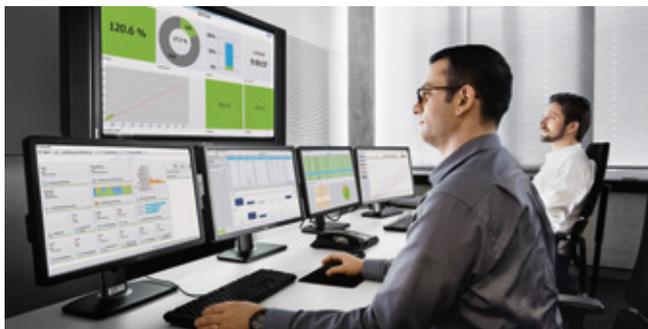
- Standard user interfaces
- Convenient operator guidance via powerTouch
- Monitoring & reporting
- Production statistics
- REMOTE Service





## Smart production networking

Interactive collaboration between human, plant and production over the entire value-added chain is now a reality. An essential feature is an intelligent connection between all plants and persons involved in the production process. Our machines and plants are designed to meet these requirements with their communication and information technology.



### **ControllerMES**

The manufacturing execution system from HOMAG is an important building block for networking your machines and conducting analyses to optimize production. The production control system is adapted to the respective production system and supports you with exact planning so that you get the best from the processes. This can lower costs, reduce breaks in production and make the use of material more efficient.



### **MMR**

Manufacturing KPIs are indispensable to make production efficient and sustainable. They provide information about the current status of the production unit with regard to performance and efficiency. MMR – Machine Monitoring and Reporting – helps determine machine times and machine conditions, historicizes data and uses standardized KPIs to provide the perfect basis for decision-making and optimization.

# Apps that make working life easier

**tapio**  
Partner

## DataSave

- Protects machine and configuration expertise
- Faster service for machine breakdowns
- Saves time when restarting production
- Saves on maintenance costs
- Automatic backups of several machines

## ServiceBoard

- Create service cases quickly and easily and send them to the correct service partner
- Live video diagnostics to solve service cases with image support
- Video reduces the language and distance barriers
- Also works without a machine connection to tapio (and is therefore ideal for older machines)

## MachineBoard

- Push notifications
- Machine data and status can be viewed from anywhere in real time
- Lists of errors, warnings, maintenance tasks and actions
- Displays the remaining time until the next intervention by the machine operator



**Free demo for all tapio apps, no registration required. Simply download and test.**

## tapio is the open wood industry ecosystem

This means that everyone involved in the wood industry can participate.  
Because together with our business partners, we develop digital solutions for everyone.

Currently available in the EU and Switzerland  
(Due to the fast pace of the IT-landscape, the compatibility to the tapio platform is warranted for five years.)

# HC LIFE CYCLE SERVICES

Optimal service and individual consultations are included in the purchase of our machines. We support you with service innovations and products which are especially tailored to your requirements. With short response times and fast

customer solutions we guarantee consistently high availability and economical production – over the entire life cycle of your machine.



## REMOTE SERVICE

- Hotline support via remote diagnosis by our trained experts regarding control, mechanics and process technology. Thus, more than 90% less on-site service required and consequently a faster solution for you!
- The ServiceBoard App helps to solve tasks in a fast, simple and concrete way. This is achieved by mobile live video diagnosis, automatic sending of service requests or the online spare parts catalog eParts.



## SPARE PARTS SERVICE

- High spare parts availability and fast delivery.
- Ensuring quality by predefined spare parts and wear parts kits, comprising original spare parts.
- Identify and inquire for spare parts online under [www.eParts.de](http://www.eParts.de) 24/7, or buy even faster and more comfortably in the new HOMAG Webshop eCommerce.



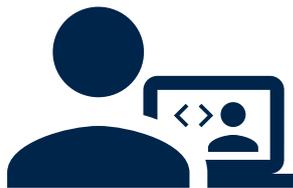
## MODERNIZATION

- Keep your machinery up to date and increase your productivity as well as your product quality, This is how you can meet tomorrow's requirements today!
- We support you with upgrades, modernization as well as individual consultancy and developments.



## DIGITAL SERVICES

- ISN (intelliServiceNet) – The new remote service solution of the future! Fast restart of production because the remote service employee has extensive access to relevant physical data.
- intelliAdvice App – provides help for self-help. The preventive solutions proposed in the new App are the combination of our experiences and existing machine data.



## SOFTWARE

- Telephone support and consultancy through software support.
- Digitalization of your spare parts via 3D scanning saves time and money compared to new programming.
- Subsequent networking of your machinery with intelligent software solutions ranging from construction to production.



## FIELD SERVICE

- Increased machine availability and product quality by certified service staff.
- Regular checks through maintenance / inspection guarantee the highest quality of your products.
- We offer you the highest availability of technicians in order to reduce downtimes in case of unpredictable troubles.



#### TRAINING

- Thanks to training perfectly suited to your requirements, your machine operators can optimally operate and maintain the HOMAG machines.
- The training also include customer-specific training documents with exercises proven in practice.
- Online training and webinars. Learn without traveling, meet your trainer in the digital classroom.

For you more than...

**1,350**

service employees worldwide

**90%**

less on-site service thanks to  
successful remote diagnosis

**5,000**

customer training sessions per / year

**150,000**

machines, all electronically documented  
in 28 different languages – in eParts

## **HOMAG Group AG**

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## **YOUR SOLUTION**