

BLUECOMPETENCE

Alliance Member

Partner in the sustainability initiative
for machinery and plant engineering

BARGSTEDT
Handlingsysteme
www.bargstedt.com

FRIZ
Kaschieretechnik
www.friz.de

LIGMATECH
Automationssysteme
www.ligmatech.com

WEEKE
Bohrsysteme
www.weeke.com

BRANDT
Kantentechnik
www.brandt.de

HOLZMA
Plattenaufteiltechnik
www.holzma.com

HOMAG eSOLUTION
Software
www.homag-esolution.com

WEINMANN
Holzbausystemtechnik
www.weinmann-partner.com

BÜTFERING
Schleiftechnik
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HOMAG
Holzbearbeitungssysteme
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SCHULER
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HOMAG Group AG
72296 SCHOPFLOCH
DEUTSCHLAND
www.homag-group.com

Tailor-made Furniture Production



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“In the HOMAG Group we have found a partner who is prepared to develop concepts together with the customer.”



Albert Nopp, Technical Manager, Hall Office Furniture, Austria

Living starts with our machines

HOMAG Group · Engineering



The HOMAG Group: Everything from a single source

The Engineering: Specialists for your success



At our customer's service worldwide

- World's leading supplier of machinery and equipment for the woodprocessing industry, with a global market share of 28 %
- Present in over 90 countries around the world
- Over 100 sales partners on every continent
- 15 production sites in Europe, Asia and America
- 21 internal sales and service companies
- Over 50 years of experience
- Constant growth through corporate values and a successful strategy
- A workforce of over 5 000

www.homag-group.com

Performance through innovation

Storage, sawing, edge bonding, drilling, hinge setting, surface processing, handling and packaging – with the wide product range from the HOMAG Group, combined with intelligent software, you can take advantage of tailor-made solutions for your individual requirements.

Individually strong – unbeatable as a team

The HOMAG Group offers high-tech solutions using the latest machine technology and continuous control for project management of demanding, networked systems. This covers the entire spectrum from mass production up to batch size 1 systems.

Your request is our motivation

Customized solutions, the implementation of entire systems and an in-depth knowledge of the industry – these are the key elements that distinguish the HOMAG Group Engineering. This is where everything comes together. Delivering your individual system or cell is based on many years of experience, high quality standards, a modular machine design and a perfect level of performance from project planning through to handover. From the first conversation to project completion, the project manager is your personal contact and, with you, will lead the project to a success conclusion.

Simulation for maximum performance

Dynamic production processes are illustrated by adaptable, realistic models. Using simulation technology, the expected performance is assessed based on your product range.

Benefits

- Statements about productivity/throughput times
- Bottleneck analysis/optimization
- 2-4% savings on investment
- Investigation of problem scenarios
- Interactive system optimization
- Avoidance of oversizing
- Minimizing business risks
- Reducing start-up time

Objectives

- Minimization of throughfeed times
- Maximization of plant performance
- Shorter ramp-up phase for new installations
- Objective assessment criteria for production

“Together with the HOMAG Group Engineering we designed a completely new plant and set it up with a highly networked production line. ”



Bill Longman, Chairman & Founder, Euro-Rite Cabinets Ltd., Canada

Industrial furniture production

Batch size 1 production · Mass production · Complex individual parts



Flexibility with batch size 1 production

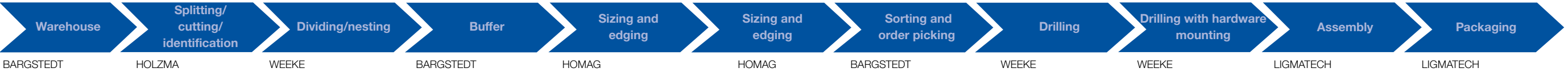
When you have a diverse range of products market-oriented production costs are critical by making the best use of resources, short throughput times and low stocks. To help you do this, why not use the HOMAG Group Engineering's industry expertise, vast experience and extensive knowledge of the widest range of products from a single source.



Economically producing individual designs in the smallest batch sizes is becoming a critical success factor.

Performance class I 450-800 parts per shift *	TLF 211	HPP/HPL/HKL	BHP 200	TPK 400	Basic concept 1, 2, 3, 5,	BMG 500	TLB 320	BHX 050	ABH 100	MPH 450	VKV 020
	TLF 411		BHC 900	TPK 400	Basic concept 4 or 6	BAZ 700	TLB 320	BHX 500	ABF 600	MDE 120	VKV 710
	TLF 610			TLB 220	Basic concept 7		TLB 320	ABH 100	ABL 100	MDE 160	VKU 200
	TLF 810	Individual solutions		TLB 220	Basic concept 8		TLB 320	BST 800	ABF 800	MPC 410	Individual solutions
Performance class II 800-1 200 parts per shift *											
Performance class III 1 200-1 600 parts per shift *											
Performance class IV 6 000 parts per shift *											

* = 8 hours



PRODUCTION PHILOSOPHIES

Customer-based production order

Each component has a unique number and is assigned to the customer order (label with customer reference) early in the production process. This production method requires a high degree of transparency, which is facilitated by the use of a production control system.

- Longer post-production times
- Harder to mix up components (label with customer reference)
- Less multiple depth storage which means less use of capacity and dynamics in the buffer, memory and sorter

Component-based production order

The component can be used for multiple customer orders. Each component has a unique number and is assigned to the customer order (label without customer reference) later on in the production process.

The high degree of flexibility fundamental to this production method calls for the use of a manufacturing execution system.

- Higher sorting qualities required
- Sorting and picking are done as late as possible, so that the parts flow remains flexible for longer (multiple depth storage, changing sequences)

- Post-production parts can be taken from stock if required
- High probability of multiple storage and high capacity and dynamic utilization in the buffer, storage or sorting system
- Sequence of components has no relevance

Order production by performance class.

In the furniture industry, high flexibility coupled with low production costs play a decisive role. Many providers are increasingly relying on intelligent production on highly technical batch size 1 machines, together with the correct handling and storage technology, an optimum material flow and automated parts handling. With batch size 1 production, the HOMAG Group defines almost all machines by performance class. The “parts per shift” indication is designed to give you an idea of the process: up to 6 000 parts per shift depending on your requirements.



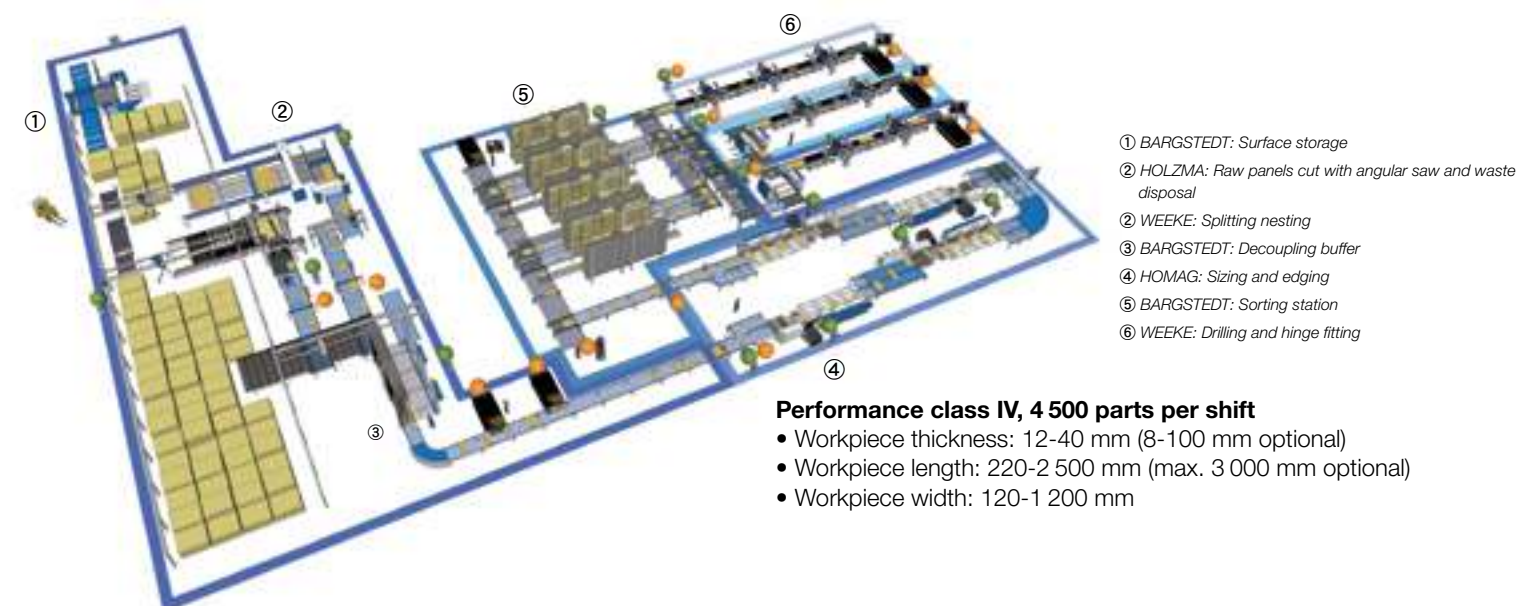
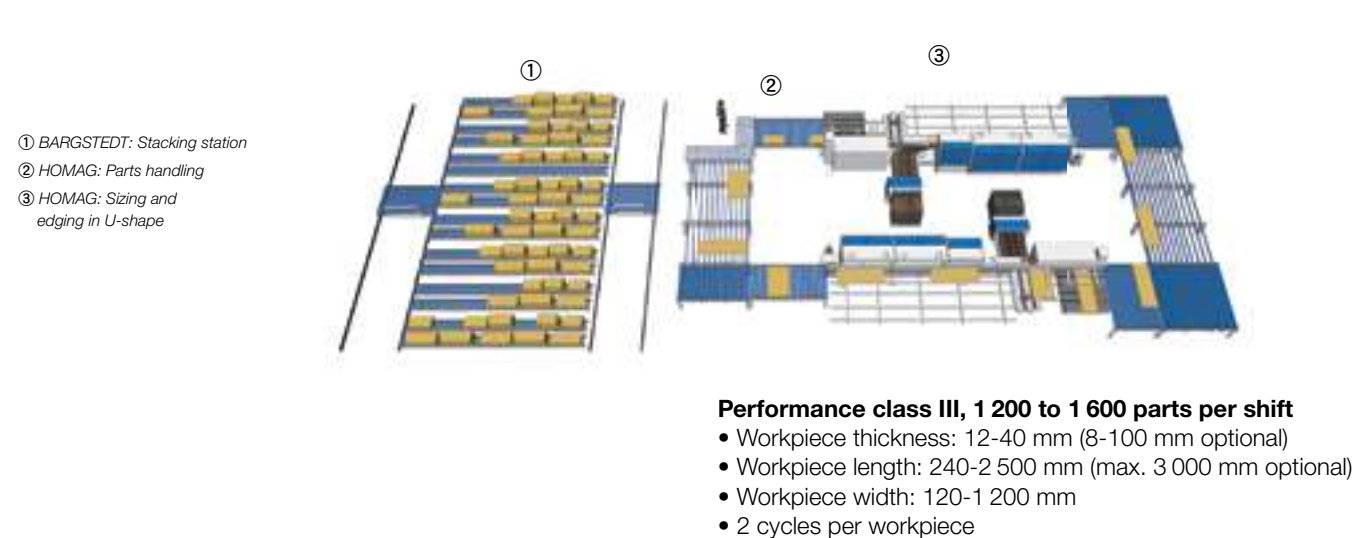
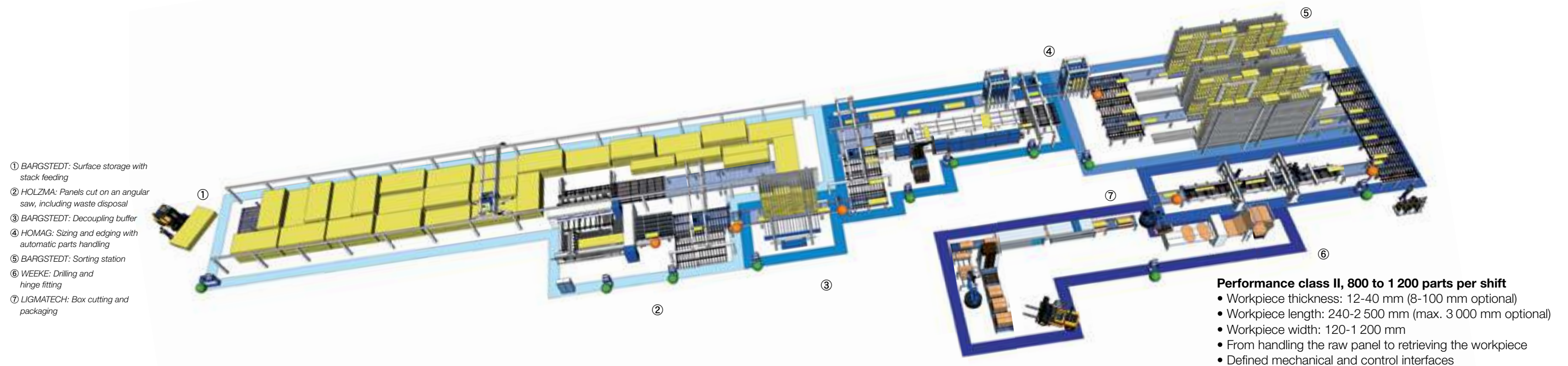
HOMAG
Edge banding machine with rotation



LIGMATECH
Material handling



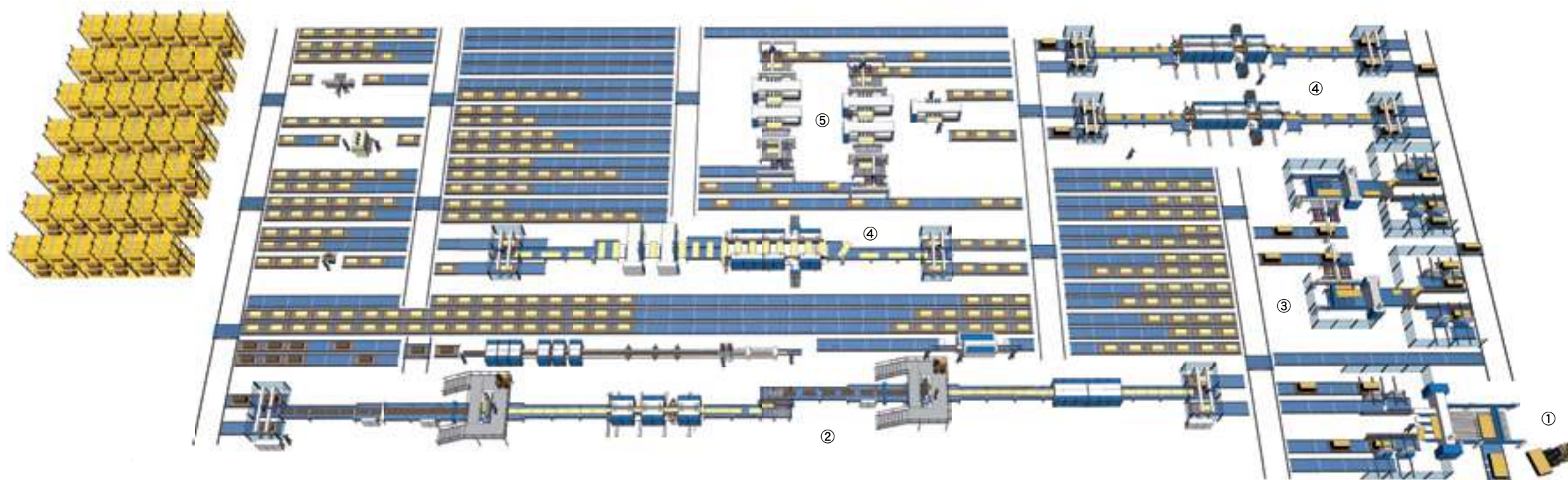
WEEKE
BHC 912 – highly flexible cutting process



Efficiency through series production

Today's panel furniture production is no longer conceivable without powerful, reliable machines. The HOMAG Group offers you exactly the right system to suit your needs. Having an optimum solution that combines storing, handling, transporting and processing the workpieces is the path to safe production, thereby guaranteeing your success. For mass-production furniture at a perfect price/performance ratio your customers will love.

You can still flexibly respond to customer needs even with a standardized product made in large batches.



- ① HOLZMA: Longitudinal cutting (strips)
- ② HOMAG: Laminating **completeLine**
- ③ HOLZMA: Transverse cutting (finished piece)
- ④ HOMAG: Transverse edging
- ⑤ WEEKE: Drilling
- ①-⑤ BARGSTEDT: Handling



Parts per batch sets the pace

Parts per shift – you know this performance unit only too well, it defines efficiency. Mass production and identical parts per shift increase your ROI (Return on Investment). That is why the HOMAG Group defines precisely this unit for your machines and categorizes them by performance class. Here are three examples of HOMAG Group lines with up to 25,000 parts per shift.



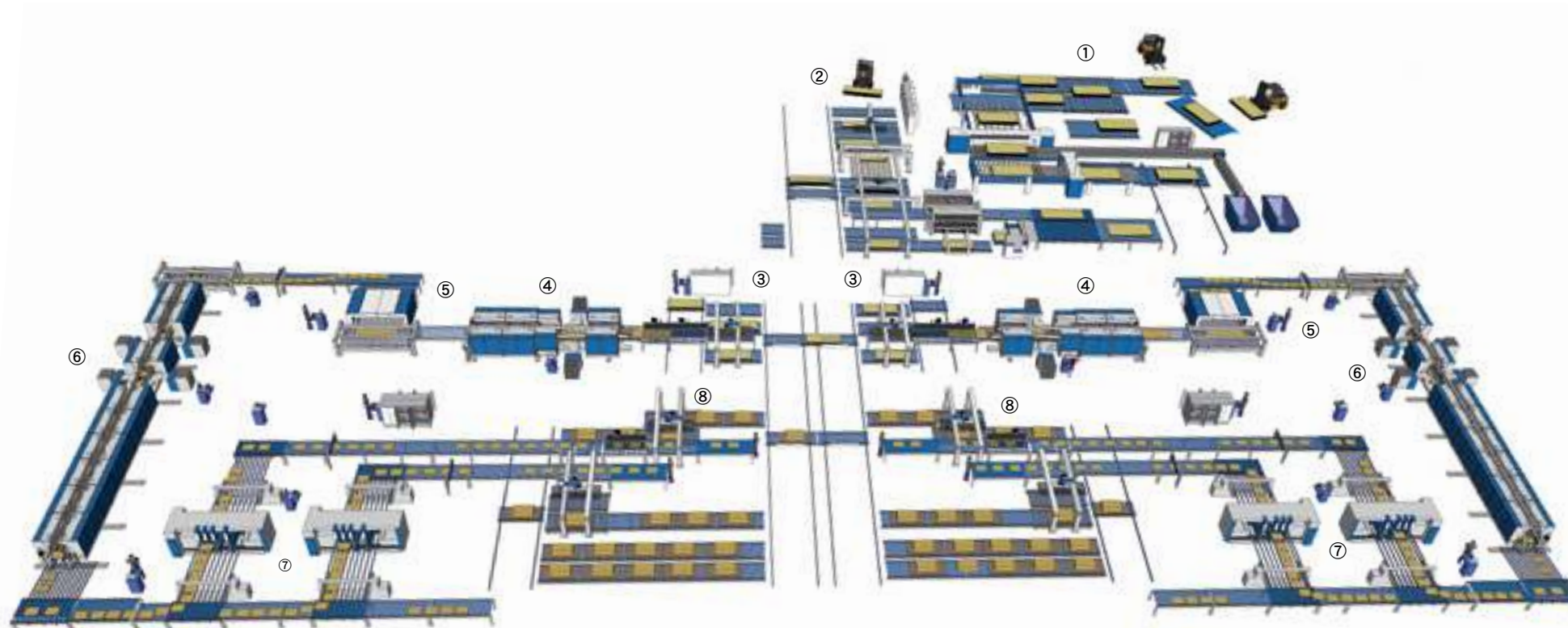
HOMAG
Considerable edging magazine



HOLZMA
Splitting



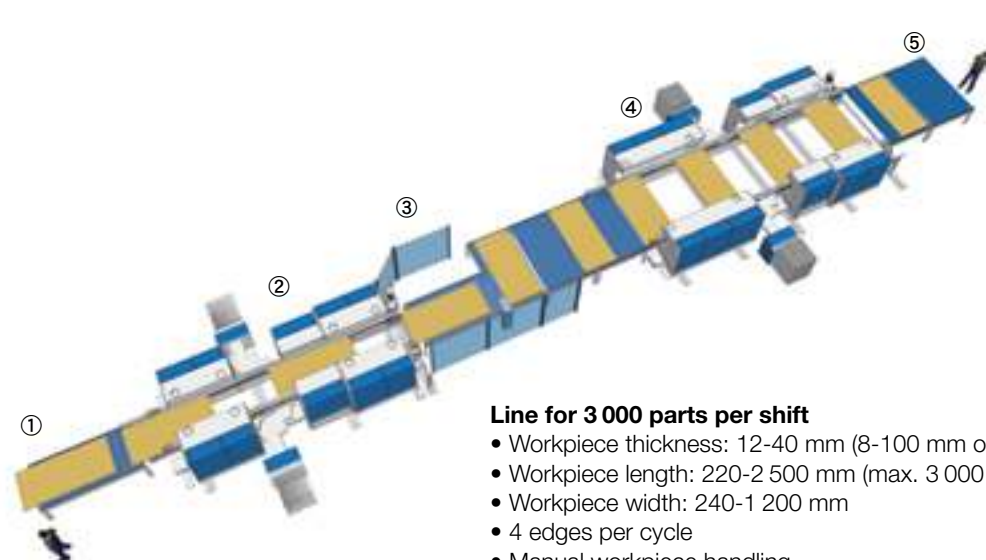
LIGMATECH
Packaging technology



- ① HOLZMA: Cutting
- ② BARGSTEDT: Stacking
- ③ BARGSTEDT: Feeding
- ④ HOMAG: Edge processing
- ⑤ HOMAG: Crosscut saw
- ⑥ HOMAG: Edge processing
- ⑦ WEEKE: Drilling
- ⑧ BARGSTEDT: Stacking

Mass production up to 25,000 parts per shift

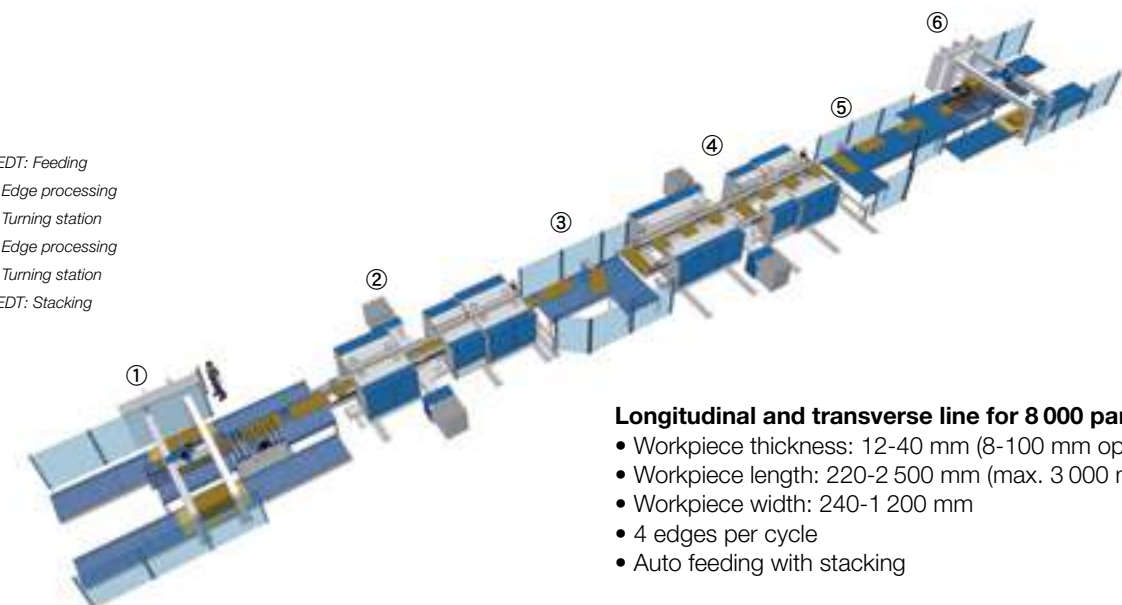
- Workpiece thickness: 12-40 mm (8-100 mm optional)
- Workpiece length: 220-2 500 mm
- Workpiece width: 240-1 200 mm
- 4 edges per cycle including drilling



- ① Manual feeding
- ② HOMAG: Edge processing
- ③ HOMAG: Turning station
- ④ HOMAG: Edge processing
- ⑤ Manual stacking

Line for 3 000 parts per shift

- Workpiece thickness: 12-40 mm (8-100 mm optional)
- Workpiece length: 220-2 500 mm (max. 3 000 mm optional)
- Workpiece width: 240-1 200 mm
- 4 edges per cycle
- Manual workpiece handling



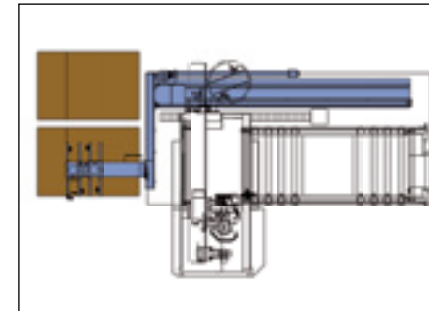
- ① BARGSTEDT: Feeding
- ② HOMAG: Edge processing
- ③ HOMAG: Turning station
- ④ HOMAG: Edge processing
- ⑤ HOMAG: Turning station
- ⑥ BARGSTEDT: Stacking

Longitudinal and transverse line for 8 000 parts per shift

- Workpiece thickness: 12-40 mm (8-100 mm optional)
- Workpiece length: 220-2 500 mm (max. 3 000 mm optional)
- Workpiece width: 240-1 200 mm
- 4 edges per cycle
- Auto feeding with stacking

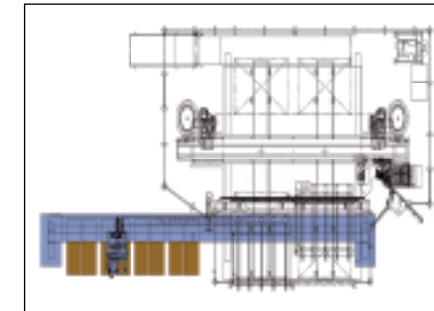
We solve complex tasks with complete automation

The fully automated production of customized sizes and complex processes is particularly challenging. With intelligent solutions we convert CNC processing stations into manufacturing cells with automatic material handling and specific additional tasks. For this, the HOMAG Group offers solutions with machines coordinated with one another. They enable efficient, industrial production up to batch size 1.



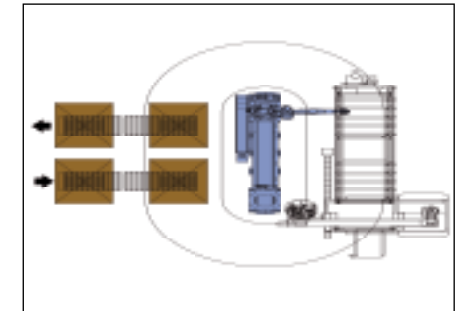
Docking loader

Cheap basic investment, small footprint, ease-of-use.



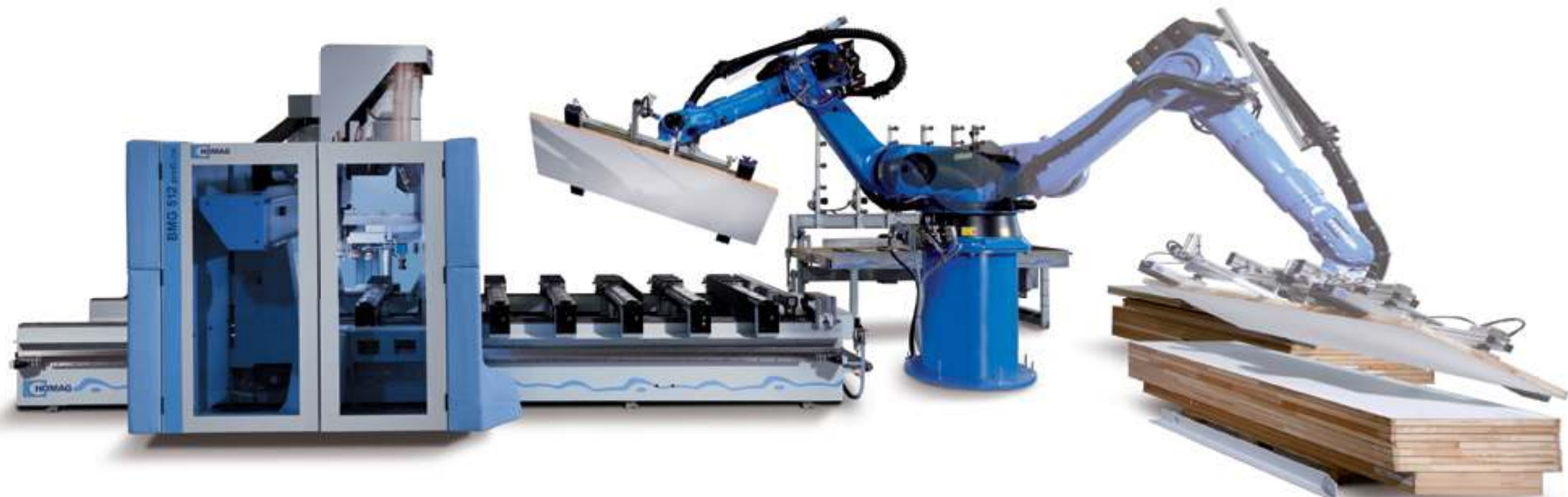
Line and surface gantries

High performance, large part weights, short cycle times, synchronous feeding.



Robot

Maximum flexibility, different stacking patterns and easy-to-integrate additional functions: Turn, rotate, divide.



Storing

BARGSTEDT

Splitting
and cutting

HOMAG und WEEKE

Handling

BARGSTEDT und LIGMATECH

Sizing and
edging

HOMAG

Puffern und
Zwischenlagern

BARGSTEDT

Drilling and hinge
systems

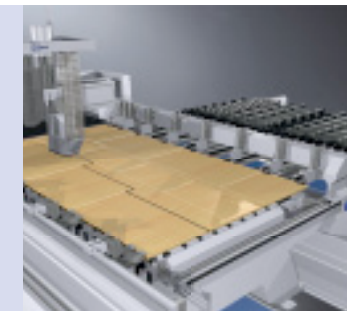
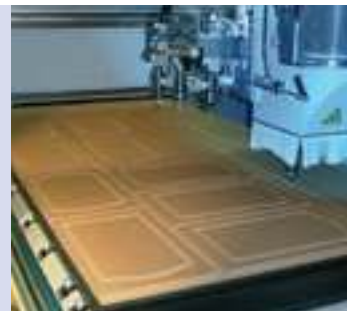
WEEKE

Assembly

LIGMATECH

Packaging

LIGMATECH



Custom-tailored systems for your specific requirement

The trend is heading towards automation and networking concepts with integrated software. Our versatile complete solutions with innovative technology can help you achieve a permanently high level of productivity so you can benefit in the future.



HOLZMA and BARGSTEDT
Sawing and storage combination



HOLZMA and LIGMATECH
Saw/robot combination

Sawing and storage combination

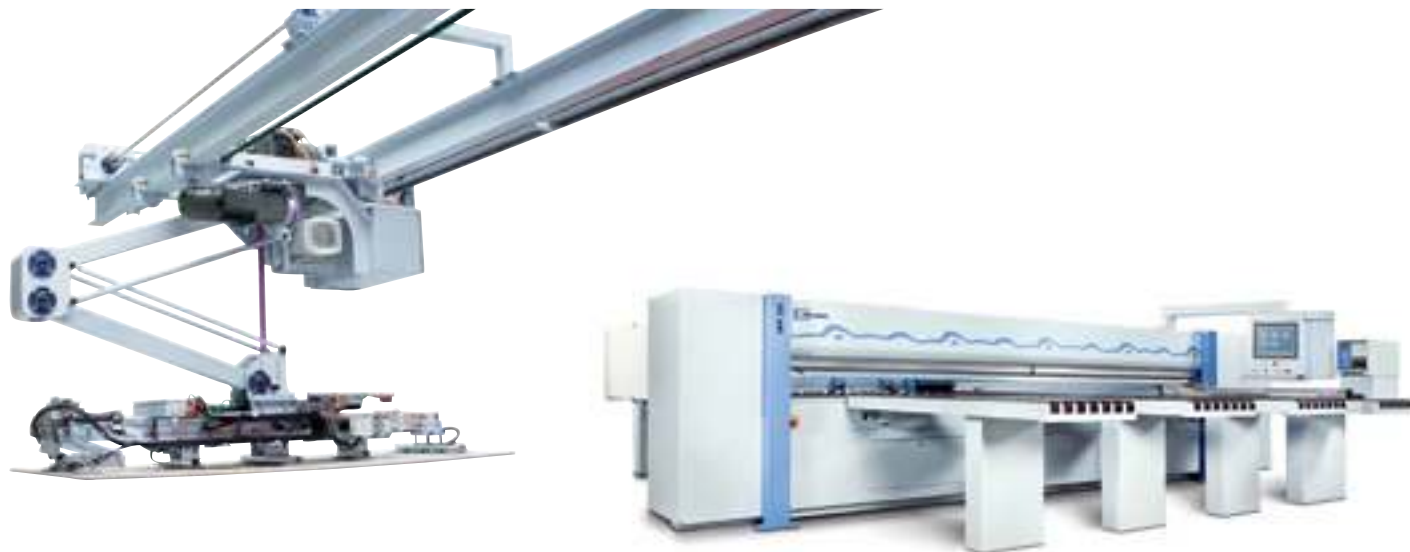
More and more companies rely on saw-store combinations from HOLZMA and BARGSTEDT to remain competitive.

- A whole host of combinations from small to large, adapted to your needs
- Saw-store speaks one "language": Software and hardware compatibility
- Efficient, clear processes
- Gentle-action material handling
- High degree of automation, even with the smallest combination
- Saves money, time and material
- Optimized material flow, flowing processes
- Profitable if you saw 30 or more (random) panels per day
- Only one control terminal
- Plenty of parts identification options

Saw/robot combination

The saw/robot combination from HOLZMA and LIGMATECH makes handling offcuts more efficient than ever. Automatic and fully integrated – with up to 500 vertical shelf storage compartments on the saw itself – say goodbye to long pathways, cumbersome storage and retrieval, damaged surfaces and time-wasting searches.

- Automatic storage, management and retrieval of offcuts
- Smallest offcuts and non-standard sizes are easily handled with the robotic cell
- Optimizes material yield because all the offcuts are immediately available and even small offcuts are processed consistently
- Increases the performance of an area storage as offcuts are stored separately
- Provides an overview and structure
- Saves on space, long pathways and valuable time



The right solution for every workshop
– from small to large!
www.homag-group.com/workshop



“The HOMAG laserTec has significantly improved quality, process reliability and ease-of-use.”

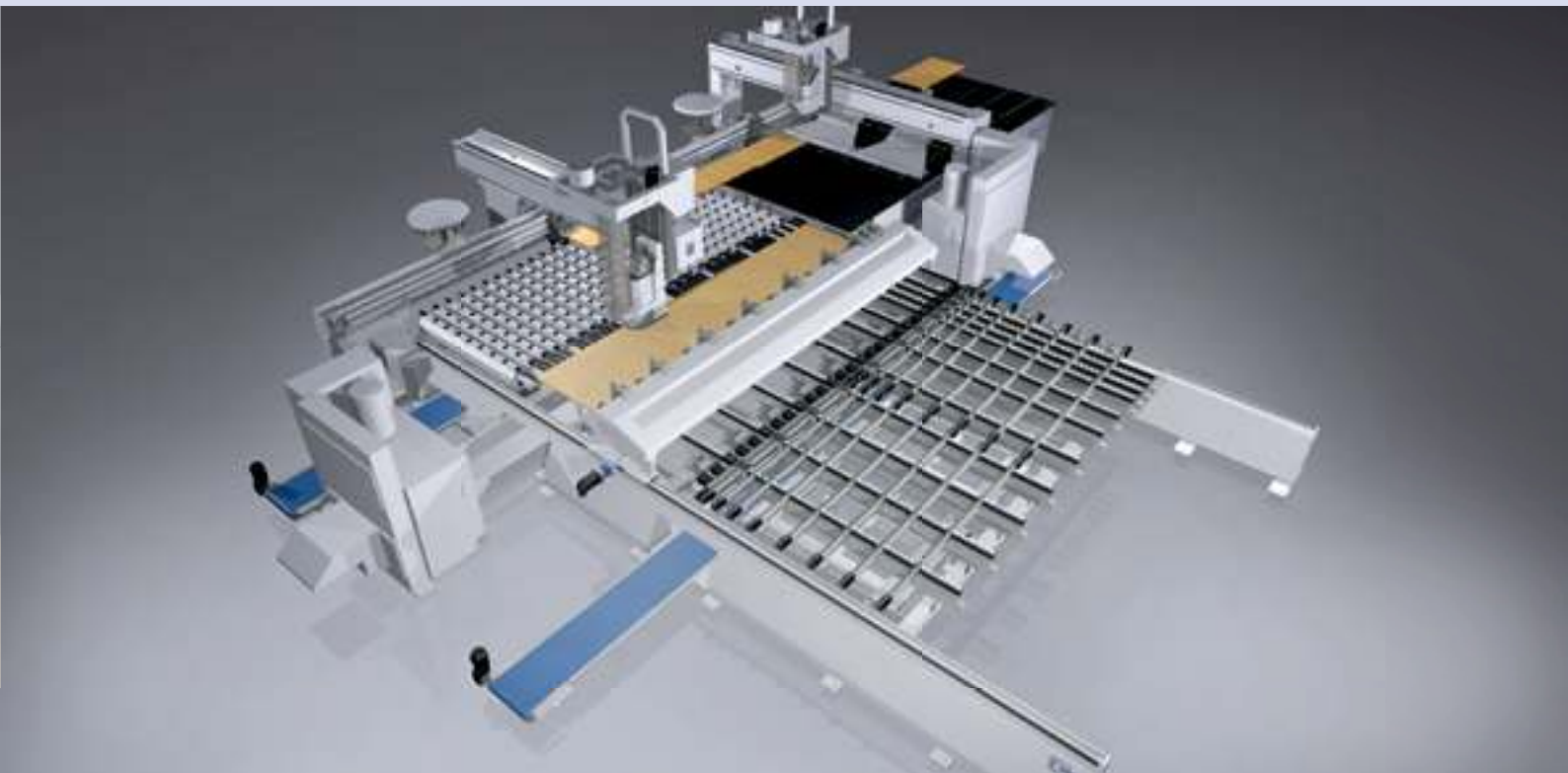


Frank Kickler, Production Process Engineering, Veriset Küchen AG, Switzerland

Innovative technology

completeLine · reacTec · combiTec · BHC 912 · laserTec · airTec · Material handling · Drilling · Assembly · Lightweight construction





Perfect surface with completeLine and reacTec



In the furniture industry surface trends change rapidly. Expectations concerning quality, look and feel are increasing at the same time as the demand for durability and longevity. HOMAG provides you with the solutions that help you meet just these challenges.

completeLine: All-over coating

completeLine systems are “all-rounders” in the truest sense of the word. They size and shape raw panels, laminate the surfaces and seal off the narrow surfaces along the sides. The material to be coated, say, chipboard, is wrapped with finishing film or patterned paper in a continuous process.

Result:

- Joint-free workpiece in the visible area of the longitudinal edge
- Top and narrow surfaces are identical

Combined with reacTec

In cooperation with companies Henkel and Nordson the HOMAG Group developed the **reacTec** laminating system. Using a newly developed adhesive that has no open time, the benefits of hot bonding have been carried over into a new process without any of its drawbacks.

Benefits:

- High heat resistance
- Waterproof bonding joint
- Small footprint
- High reliability in production

Splitting with batch size 1



HOLZMA and WEEKE offer solutions specifically for batch size 1 production in an industrial style: With **combiTec**, HOLZMA offers a special re-cutting solution. This innovation fully automatically finishes a large number of all re-cuts, reduces the amount of materials used and saves a lot of time and money in the process. The WEEKE BHC 912 guarantees precision splitting, a fast flow of material and has a milling system that cuts through at an extremely high degree of angle and dimensional accuracy.

combiTec – one system, many advantages

- Lower material costs and waste
- Less power consumption
- Proven HOLZMA sawing technology
- HOLZMA optimization and simulation expertise
- Minimal piece costs
- Low tooling costs
- Excellent value for money
- Standard package cutting still possible, as is splitting of challenging thin or lightweight panels

BHC 912 – flexible splitting station

- Lightweight longitudinal and transverse splitting
- High angular and dimensional accuracy
- Optimal extraction and first-class cut quality with CNC-controlled suction hood with restraining function
- Minimal waste by optimizing the panel splitting (step-cuts, CutRite software)
- Surface-protecting contact surfaces
- Unprocessed panels fed in during the machine's non-productive time
- Fully-automatic disposal of residual parts and chips



Invisible joints with laserTec or airTec



In its history, this woodworking pioneer has developed a variety of revolutionary ideas and established them in the market. After the invention of the edge banding machine, based on the hot/cold process, in 1962, HOMAG developed the next generation of high-quality narrow surface sealants: invisible joint technology.

High-quality products with a sophisticated design can now be made with the **laserTec** process. This patented innovation from HOMAG heralded a new era in edge processing – defining a new level of quality. Over 200 machines have been sold on the market.

Heating the working layer on the edge with the laser produces a mechanical and chemical edge seal with an aesthetic invisible joint. This technology can be used only with Rehau edges in Germany in accordance with patent law. With **airTec** BRANDT and HOMAG offer craft industries a cost-effective solution for the production of invisible joints.

Material handling and sorting



The logistics solutions from BARGSTEDT and LIGMATECH are modular in design. Using a sophisticated modular system we put together reliable components to create optimum customer-specific solutions.

An end to material congestion

Whether for storing, buffering or sorting, with logistical solutions from BARGSTEDT you can enjoy enormous productivity gains and considerable savings potential. With software solutions that manage your warehouse data, for example, or carry out complex sorting tasks, you can shorten the stock times of your individual parts and achieve a continuous material flow.

Benefits of automatic handling systems

- Optimum throughput time
- Shorter waiting time
- Maximum space utilization
- Higher level of usage
- Optimum material flow
- Less damage due to manual transport
- High degree of material flow transparency

Robot applications

You can increase your productivity fully automatically with the robotic solutions from LIGMATECH. Whether sanding, sawing, edging, drilling, milling, assembling, packing or picking – these robots are all-rounders. All this with batch size 1, small series production or mass production. Innovative loading and unstacking systems or Pick & Place applications provide high performance with maximum repeatability and outstanding precision.



Flexible drilling and hinge setting technology



This core technology sets the pace and ensures impressive performance. For ABH or BST this means more than being able to drill vertically or horizontally. In terms of dynamism, performance and flexibility they form the basis for providing the exact output you need. Individuality means that we reach the pace you set us.

ABH 100 – uncompromising 6-sided processing

The 6-sided workpiece processing in just one throughfeed provides everything you need. Whether drilling, milling, groove setting or hinge fitting – the ABH 100 can combine everything you want. The integrated dynamic jaw clamping system ensures safe and accurate workpiece handling. The drilling equipment features our patented spindle clamp as standard, which ensures that an increasingly accurate drilling depth is reached.

BST 800 – pure dynamism, an experience

Up to 730 individually retrievable high-speed drill spindles offer a drilling performance which is second to none in terms of speed and dynamics. All the spindles are equipped with the patented spindle clamp and therefore ensure an accurate drilling depth, every time. Repetition precision for batch size 1 is not a contradiction here. The setup times are close to zero and workpiece machining in just one cycle offers an extremely high level of productivity.

Assembly and packaging



Optimized processes, flexible and efficient. LIGMATECH designs, develops and manufactures customized system concepts for batch size 1 to mass production.

Assembly technology

LIGMATECH offers manufacturing facilities in all performance classes – from the stand-alone machine for tradesmen right up to high-performance assembly systems.

Your benefits:

- Traversing presses for automatically pressing structural furniture
- The diversity of the existing machine types and conveyors allow an individually tailored system made from existing components

Packaging systems

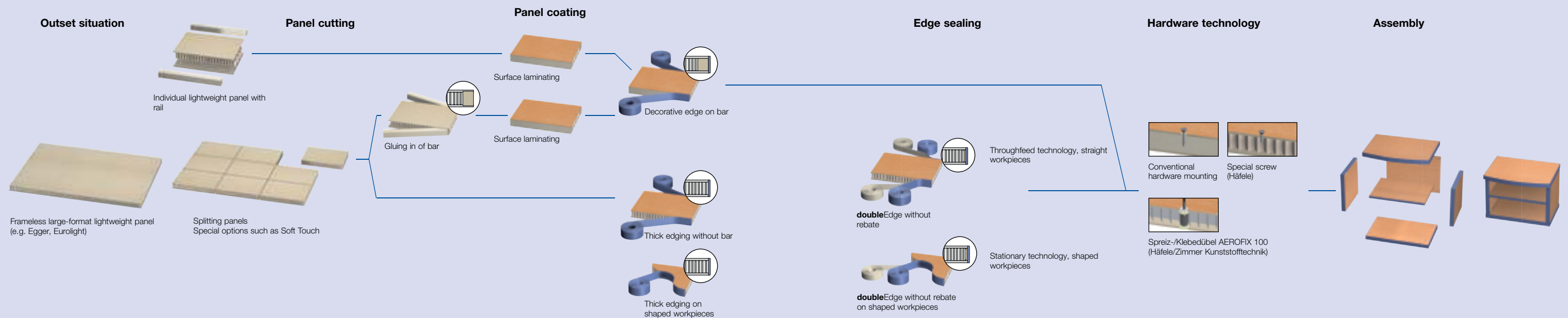
Take advantage of the VKS-Series box cutting machines for the flexible production of tailor-made boxes. Together with the VKF 100 (box folding machine) and the VKV 710 (box sealing machine) you can create highly flexible packaging lines.

Your benefits:

- The perfect packaging at the push of a button – fully automatic, tailor-made and just-in-time
- The ultimate in product protection without additional packing materials

Lightweight construction expertise

The lightweight panel is one of the most significant innovative materials developed in recent years. The innovative lightweight design is a market segment with growth potential. It opens up a whole new world of possibilities for furniture design, reduced use of resources and cost-effective logistics. The HOMAG Group can draw on its extensive expertise in this area. With its machines and systems you can realize all your production stages with utmost efficiency – from panel manufacture to splitting and coating; sanding and edging to the hinge fitting and installation.



“For the production of individual household furniture and closets we rely on a complete solution from the HOMAG Group.”



Ting Zhang, Vice President of Suofeiya Home Collection Co. Ltd., China

Why choose us?

Networked production · woodCAD|CAM · MOS · Identification · powerTouch · lifeline | service · ecoPlus · Quality Assurance · References



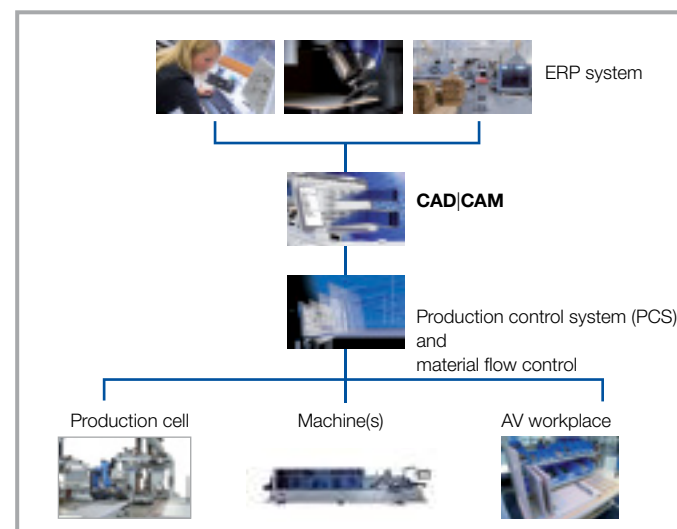


Smart production networking

The interactive collaboration of humans, systems and production across the entire value-added chain is today's reality. A key feature of this is that all the assets and people involved in the production process are intelligently linked to one another. Our machines and systems are adapted to these requirements with the help of communication and information technology.

The HOMAG Group supports the user in implementing these requirements with a comprehensive portfolio of automation phases and services.

- Production control system
- Material flow control
- Labeling and identifying components
- Monitoring and reporting



Furniture production at the click of a mouse: woodCAD/CAM software

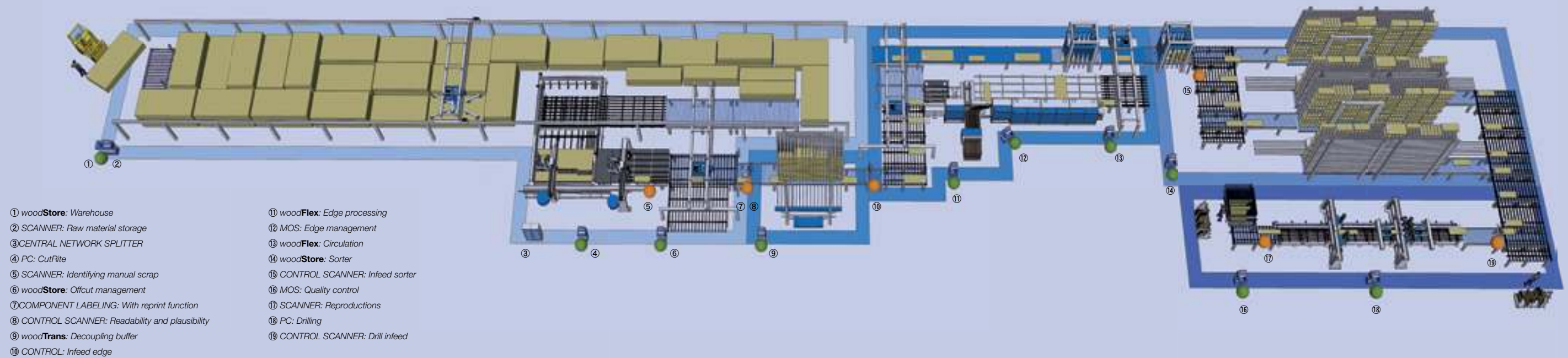
From your 3D design the system automatically generates dimensioned component drawings including cutting lists, parts lists, barcodes, labels and CNC programs. Your machines are controlled directly with production-relevant parameters such as tool selection, drilling diagram, speed, feed and transport strategy. This saves time and avoids errors.

Highlights woodCAD/CAM

- Parametric 3D design
- CNC programs from 3D design
- Detailed illustration of all items
- Catalog of furniture fittings
- Rapid implementation of design changes
- Automated tool assignment
- Integrated project management
- Low level of installation and training
- Technology standards such as AutoCAD ® and MS SQL Server

Complex component geometry

- Interactive programming of complex workpieces
- Graphic creation of 5-axis data
- Generation of interpolating tool movements
- 3D simulation of processing steps including collision check
- Pre-configured 5-axis processing
- Import of 3D formats



Production control, security and transparency

Driven by market requirements such as small batch sizes, short delivery times and ever shorter model cycles, the requirements put on production processes and data are ever increasing. With industry-specific, scalable system solutions from the HOMAG Group even complex manufacturing processes are technically and economically manageable.

Production control system

The modular production control system MOS ensures communication between the customer's planning specifications and production.

- Central database with requirements for production and an illustration of the current situation in production
- Standard communication level between the ERP system and production
- Link to the various production areas such as parts production, assembly, packaging, loading
- Create, manage, track and provide information on production batches
- Track orders and parts, completeness checks

Material flow control

Material flow control systems from the HOMAG Group attest their performance worldwide in more than 1 000 applications.

- Online transfer of production data from ERP systems
- Automation of the manufacturing process by distributing data and tracking parts in machines and systems
- Online feedback on production events to ERP systems
- Integration of identification and labeling systems
- System visualization
- Performance enhancement by automatically calculating workpiece gaps, cycle numbers and feeds
- Edge preview and stack management



Identification solutions

The HOMAG Group is your reliable partner in the selection and design of tailor-made labeling and identification solutions. From selecting coding media to integrating scanning and labeling systems right up to the system concept, we help you realize your individual project.

Services:

- Analysis and system integration

Technology:

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

Monitoring and reporting (MMR)

A high level of transparency is necessary in production processes to be able to make informed decisions. With the machine monitoring and reporting system from the HOMAG Group you can specifically identify hidden cause and effect links within your production processes, giving you higher productivity and output.

Evaluations and functions:

- Machine-specific key figures as day and shift readings
- Machine statuses in the form of Pareto, Gantt and line graphs
- Display of maintenance instructions
- Online monitoring of machines and systems in the office



powerTouch – Touch the innovation

powerTouch is the new operating philosophy from the HOMAG Group. The innovative touchscreen control combines design and function to create a completely new generation of control systems.

The centerpiece is a large multi-touch, widescreen monitor, which you touch to control machine functions. The entire user interface is optimized for touchscreen operation and offers numerous new auxiliary and wizard features that greatly simplify the work. Uniform controls and software modules ensure that all HOMAG Group machines operate in the same way. This makes the use of different machines easier and more efficient.

Benefits powerTouch:

- Simple: Quick overview of the machine status, user-oriented navigation
- Uniform: Same operation of the basic functions of all HOMAG Group machines and unified control panel
- Ergonomic: Intuitive touchscreen operation, use of actions (zoom, swipe, scroll)
- Evolutionary: Operation via multi-touch monitor, support via new wizard systems and QR codes

Tailor-made financing & global service



In cooperation with international banking partners HOMAG Finance developed a tailor-made solution for your machine investments, such as with export and project finance. We offer individually tailored service contracts and ensure the sustainability of your investment.

Perfect service worldwide

Hotline & teleservice

- Direct hotline
- Teleservice and/or TeleServiceNet
- Expert advice on mechanics, control system, electrics and process engineering
- Multilingual support
- Maximum service at minimum cost

Parts & accessories

- Immediate availability of spares
- Minimized standstill times
- Preventive wear and tear replacements with on-site service
- Greater flexibility and high machine availability with decentralized warehousing

Training

- Optimum system operation
- Ways towards permanently higher productivity

On-site servicing

- Highly efficient installation service
- Demand-oriented and comprehensive inspections
- Made-to-measure maintenance and repair service
- Production support and optimization by experts



ecoPlus – Save up to 30 % energy



Efficient work, increasing productivity and saving costs – these are today's key building blocks that forward-looking companies rely on. And if you want to be future-compatible, you have to focus on sustainability. This includes saving precious resources such as energy, time, material and staff. **ecoPlus** helps protect these with intelligent technologies from the HOMAG Group. **ecoPlus** also reduces CO₂ emissions, helping to protect the environment. The combination of performance and economy is the motivation behind all our actions, ensuring future viability and, with it, long-term sustainability.

Fast setup times, internal tools, the latest control technology, as well as the best service all ensure a more efficient use of your machines and systems. We have also significantly reduced power consumption, for example with intelligent standby switches and modern evacuation concepts. The modern machine technology from the HOMAG Group and up-to-date software solutions such as CutRite also save money by reducing the use of raw materials.

ecoPlus – technology that pays for itself.

The HOMAG Group is also a partner in the sustainability initiative Blue Competence organized by the German Engineering Federation (VDMA) and has been a pioneer in resource efficiency for a number of years.



Quality brings loyalty

Quality and quality management are a key topic across the entire HOMAG Group. DIN EN ISO 9001 and DIN ISO 14001 Environment certifications bear testament to this. For us, international safety standards are just as standard as the close and consistent cooperation with the German Trade Association. The safety of your staff is very important to us. We therefore continuously develop technical innovations in the fields of industrial safety and ergonomics. Issues such as noise reduction and minimizing dust emissions are just as crucial as continuous improvement in the area of user navigation using intuitive software solutions.

Naturally, by “quality” we mean the quality of our products, their durability and reliability. Last but not least, perfecting your ready-for-sale furniture and your satisfaction are the all-important quality characteristics for us.

Our motivation: inspired customers.

Kitchens, furniture, doors – if it's high-quality woodwork you need, the HOMAG Group is the world's first choice. As our customers around the globe well know, the HOMAG Group offers complete solutions. Mutual respect and a build-up of trust mean that, by working in partnership, we can create values that benefit everyone, today and in the future.

The Swiss are known for their perfection, high precision, and unbeatable quality. Together, RIWAG boss Aldo Rickenbach and HOMAG Engineering's system specialists planned and implemented a highly efficient system. The result is one of the most modern door production lines that would please even the highest of Swiss standards.



Albert Nopp

Technical Manager, Hali
Office Furniture, Austria



We produce office furniture with:

- MOS production control technology
- BARGSTEDT warehouse, decoupling buffer & order picker
- HOLZMA **combiLine** with Power Concept
- HOMAG sizing line with integrated boom
- WEEKE ABH 100 throughfeed drilling machine

"With the HOMAG Group we have found a partner who is prepared to develop concepts together with the customer. Our clear aim was a unique production concept for the production of 48 million variants in 15 working days. Today, we are working with an unmanned production process at batch size 1, using the world's shortest workpiece gap, label-free production and at 30% higher capacity, all with the same number of staff. From a mechanical engineering and software point of view, we have found a partner that can do it all. Through our cooperation we have created a complete work of art, which is both everything we imagined and which works. We are proud of that."

Frank Kickler

Engineering Production Process, Veriset Küchen AG
Switzerland



We produce kitchens with:

- Flexible panel splitting from HOLZMA
- Flexible sizing and edging machines from HOMAG (we alternate between **laserTec** and PUR-bonding)
- Customized automation solutions from BARGSTEDT and LIGMATECH

"We rely on the latest manufacturing techniques, including HOMAG's **laserTec** process. The quality is impressive: The results we achieve with the **laserTec** machine at batch size 1 production are outstanding. Our experiences over the last few years clearly and verifiably show that this system guarantees a consistent laser edge quality. The response of our customers is wonderful, and we now produce almost 100% of our kitchen panels in 19 mm with a laser edge. I can honestly say we would do it all over again – and our machine operators are thrilled. With **laserTec**, quality, process reliability and ease-of-use have significantly improved." woodworking

Bill Longman

Chairman & Founder, Euro-Rite Cabinets Ltd.
Canada



We produce kitchens with:

- Intelligent BARGSTEDT storage system for managing raw panels
- Two highly flexible, integrated panel saws from HOLZMA
- High-volume machine for flexible sizing, edging and drilling from HOMAG and WEEKE

"Since I started making kitchens in my garage in the early eighties, I have always been very proud to offer high-quality products at affordable prices. Euro-Rite has become the largest RTA manufacturer of kitchen furniture, bathroom cabinets and closets in western Canada. In 2010 we had to significantly expand our business. We decided to go with the proven technology of the HOMAG Group and chose HOMAG Canada Inc. as a partner. Together with the HOMAG Group Engineering we designed a completely new plant and set it up with a highly networked production line. Since we started production in the fall of 2013, Euro-Rite has been making furniture at an unprecedented level of quality in a highly efficient way."

José Adami Neto

Chairman of the Board of Directors, Adami Group
Brazil



We produce doors with:

- A high-performance door sizing and edging system from HOMAG
- Highly automated saws from HOLZMA
- CNC machines for finishing and fitting hinges and locks
- High-precision sanding machines from BÜTFERING for high-quality varnishing

"The Adami Group Brazil operates in both the domestic and export markets. Our investment policy requires us to find outstanding quality machines and equipment from well-known and reliable suppliers. For our latest investment, a new door production system, we contacted the world's top machine suppliers. The HOMAG Group seemed to us the most qualified partner to develop our project, showing us the best solutions by far. We are really very pleased with our partnership with the HOMAG Group."

Ting Zhang

Vice President of Suofeiya Home Collection Co., Ltd.
China



We produce furniture with:

- A batch size 1 system with machines from BARGSTEDT, HOLZMA, HOMAG, LIGMATECH and WEEKE

"With its headquarters in Guangzhou, Sogal Home Collection Co., Ltd, is the largest company for the construction of custom built furniture in China and Southeast Asia. In our production of individual household furniture and closets we must be able to work with highly efficient flexibility in all our processes. For this we rely on a complete solution from the HOMAG Group, which significantly increases our productivity efficiency. It provides us with fast, stable and continuous development in our plants in Guangzhou, Beijing, Chengdu and Shanghai. Over the long term, with its products and cooperation, the HOMAG Group has successfully demonstrated itself as a reliable partner."

Roberto Spinelli

Technical Manager at Poliform
Italy



We produce furniture with:

- A panel splitting station, WEEKE BHC 912
- HOMAG edge bonding machine, KAL 350 **profiLine**
- **laserTec** process and PU-hot bonding in quick alternation
- LIGMATECH ZHR 500 portal return system

"We have high standards for our products and place great value on design and originality. To be able to manufacture our products efficiently, we need the right technology. We needed a new system to improve our quality and flexibility. We developed our design together with the HOMAG Group Engineering. The new splitting station fits perfectly into the surrounding processes and provides high precision sizing and angles when cutting the raw panels. With the edge bonding machine we can produce perfect invisible joints and also process structured designs. Overall, we are happy with our investment. We are ready for the next demanding design ideas!"