

HOMAG Group at Ligna 2015

BINGO — "26" wins.

Welcome to HOMAG City!



Large and small solutions from a single source can be found in a compact space in Hall 26. In HOMAG City, the HOMAG Group presents integrated solutions, from a "compact workshop over an area of 80 m²" up to a fully networked batch size 1 system with a length of 100 meters – including the appropriate automation and software solutions.

InnovationCenter — the original

Visitors to the legendary InnovationCenter will get a glimpse into the future. How will the demands placed on furniture change over the next ten years? Which furniture manufacturing technologies will help our customers achieve success in this time? Take a look at the furniture production process of tomorrow — a visual experience that is full of surprises and is accompanied by hands-on technology.

One of the trending themes in the InnovationCenter—both now and in the future—is energy efficiency. That's because increasing productivity, reducing costs and conserving resources are now integral building blocks for those companies that are looking to the future. A key focal point in this regard is **ecoPlus**, the intelligent technology package from the HOMAG Group. Taking an integrated view, it is clear to see how much potential lies in energy consumption alone. A workshop that uses **ecoPlus** solutions from the HOMAG Group for saws, edge banding machines, processing centers and sanding machines can lower its energy consumption by up to 30%. At the same time, the HOMAG Group is a partner of the VDMA Blue Competence sustainability initiative and has been a pioneer in the area of resource conservation for many years.

Key element in HOMAG City: HOMAG Group Innovation Center



The latest from ecoPlus: Suction devices — less is more

In the development of new suction devices, HOMAG is focusing on two areas: detection of chips and energy-efficient removal of these chips. Now the chips are always removed horizontally — the flow-optimized CFK distributor provides a high level of wear resistance along with a reduction in weight. As an additional advantage, this method reduces the maximum height of the hall that is required.

Overall, this type of suction solution delivers better results at a lower cost:

- Up to 30% reduction in energy used for suction
- Up to 25% improvement in the degree of suction
- Reduced contamination of the machine and dust pollution in the ambient air



The new suction system from the HOMAG Group

Film: Energy efficiency as key to success: How do we identify potential savings in the production process?

Energy-efficient production is becoming increasingly important — it's no longer a question of WHETHER to take action, but HOW. Rather than simply analyzing the individual machine, it is important to consider the interaction of the entire system. HOMAG Group Engineering achieves this goal using innovative simulation software from SIEMENS.

Take a look for yourself!

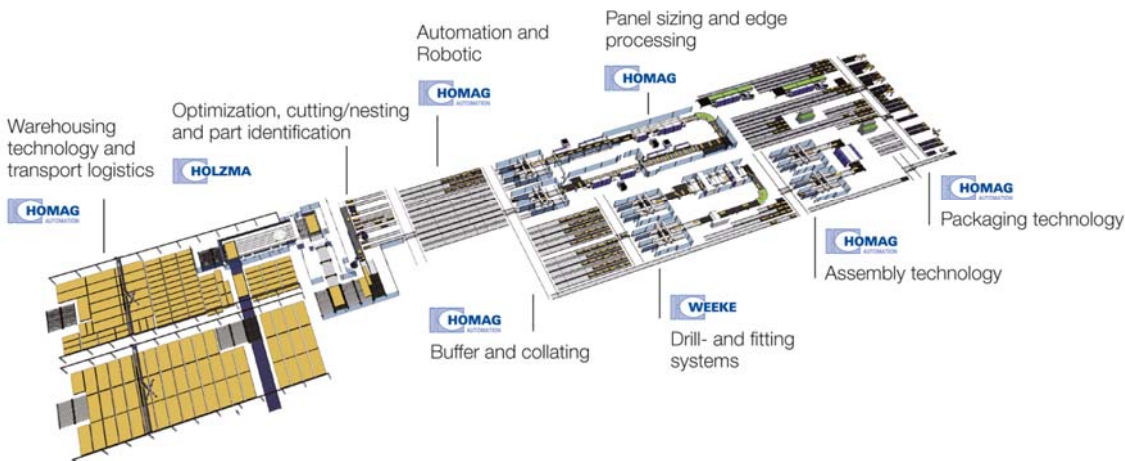


youtube.com/homaggroup

Networked production: Individuality on a mass scale

In modern furniture production, there is an increasing trend toward individual living spaces. The home is set to become more and more important as a retreat and place of recovery. For furniture manufacturers, this trend means focusing more heavily on the individual home requirements of end customers, while facing a wide range of options when it comes to furniture dimensions, shapes, materials, colors and surfaces. In some cases, this may even mean that customers design their own item of furniture on the manufacturer's website and order it online. As a result, the goal is to use industrial processes to manufacture furniture that is specific to each individual customer and that could otherwise only be obtained from a carpenter or joiner — and at a cost that is as close as possible to that of series production. It is against this background that "Industry 4.0" has become a hot topic in the wood processing industry — though this abstract concept covers a large field. In the HOMAG Group, we use the term "networked production." You can take a look at a batch size 1 system with a length of over 100 m LIVE in HOMAG City — it is fully networked and available for all to see.

Example of a plant: Batch size-1 for 4 000 parts per shift



HOMAG Group Engineering — system expertise from batch size 1 up to series production

Automation: Products that connect

The five business fields of storage technology, automation and robotics, sorting and picking, assembly technology and packaging technology are playing an increasingly important role in companies of all sizes. Whether manual or industrial production, the quality of the products is not the challenge. Instead, the challenge lies in achieving optimal output from processing machines by applying intelligent logistics concepts.

From high-performance individual products to complex interlinking of processes, and from series production to batch size 1: Integrated material flow concepts aimed at optimizing the flexibility of a production process will play just as big a role at LIGNA. The experts at HOMAG Automation take the following approach: Instead of making processing machines dependent on the material flow, the materials must flow at a rate that is dependent on the speed of the processing machines.



HOMAG Automation presents products that connect

Growing with the HOMAG Group

A compact, 80-m² workshop can grow into an industrial solution. That's because machines from the HOMAG Group can be expanded at any time thanks to their modular design. This allows customers to respond to future requirements with flexibility, as well as increase efficiency and optimize work processes. At LIGNA, the HOMAG Group will show just how efficient production can be — from individual machines and how to interlink them, to workshop concepts and fully networked systems that cover everything from panel dividing to packaging. In this solution, the HOMAG Group provides the ideal basis for networking machines and production cells. All stages of the process are characterized by an integrated flow of data, from the customer's planning specifications to the workpiece production process, right up to analysis. This is achieved thanks to the following modules:

- Production control system: the right information at the right time
- Material flow control system: smallest batch sizes, short delivery times
- Identification solutions: labeling of components
- Machine Monitoring & Reporting (MMR): A high level of transparency in the production process enables informed decisions to be made
- Machine operation: On all HOMAG Group machines, **powerTouch** provides standardized operating controls and software modules for simple and ergonomic operation.

See more:



powerTouch: Touch the innovation!

Image source: HOMAG Group AG

Your contact:

HOMAG Group AG

Homagstrasse 3-5
72296 SCHOPFLOCH
GERMANY
www.homag-group.com

Mr. Alexander Prokisch

Head of Central Marketing
Tel: +49 (0) 7443 13-3122
Fax: +49 (0) 7443 13-8-3122
alexander.prokisch@homag-group.com