HOMAG City at LIGNA 2013

Touch the innovation – touch the future

The HOMAG Group introduces visitors to a whole new world of innovation at the LIGNA 2013. The focus is on power**Touch. Experience a whole new dimension in machine operation!**

Countless technologies, wide-ranging innovations and ONE user interface: With power**Touch**, the HOMAG Group has launched a whole new control generation. Simple, standardized, ergonomic and evolutionary: The new system unites design with functionality in a totally new user interface. Central to the new system is a large multitouch monitor in wide picture format. The machine's functions are controlled by direct contact – Touch the innovation! The ultra-modern user interface offers an array of help and assistance functions designed to radically simplify the work experience. Standardized control elements and software modules ensure that all HOMAG Group machines can be operated with the same familiar look and feel using power**Touc**h. This not only simplifies the operation of different machines, but also makes for greater efficiency by significantly reducing time for servicing and training.

Be inspired by more technological highlights in the HOMAG CIty: On show will be patent registered new developments, model studies showcasing new process techniques and pioneering new unit technology. The HOMAG Group will be unveiling 20 new units alone in the legendary InnovationCenter. Get a feel for the future of woodworking technology with amazing innovations to experience hands-on.

The HOMAG Group stands for plant engineering expertise from a single mold – with individually networked high-tech machines for the entire process chain.

The spectrum ranges from storage systems through cutting and nesting, sizing and edge banding, order picking and sorting to drilling, assembly, hardware mounting and packaging. Trade fair highlights include for instance drilling and trimming machine ABH100 from WEEKE. This machine is used for flexible 6-sided processing and is perfect for integration into an assembly line. Another highlight: The new LIGMATECH case clamp MDE120. Sensitive case clamping is ensured by a new drive technology and control system. This technology also results in significant savings and lower operating costs. But whether you are looking for an edge banding machine for flexible batch size 1 production, a saw or a CNC router: All HOMAG Group machines are ideally coordinated and interact perfectly like the pieces of a puzzle. The HOMAG Group's engineering experts are able to design complete production lines to suit individual needs – including the control system, software and complete handling and logistics systems. The result: High-tech plants designed to meet the most stringent needs.

Software on one wavelength

The complete product spectrum of machines for the woodworking industry and woodworking shops includes a cohesive software range – all from a single source.

With wood**CAD|CAM**, a tool is already available for 3D planning which allows the automatic generation of production data. Software products provide support in a variety of ways: wood**WOP** supports the programming of CNC machines, while CutRite makes sure of optimized cutting plans. IT-Engineering supports the complete production control of networked machines: The production path is defined, orders are divided into batches, optimized and assigned to a stack. All machines are then supplied with the necessary order data. At the same time, files can be automatically identified by barcode or RFID, alternative production routes taken into consideration or faulty parts ejected. The software module MMR (Machine Monitoring & Reporting) encompasses all production data which

can then be centrally logged in the office.

PRACTIVE: More than “just” a workshop!

How can we expect tomorrow’s workshop to look? The extensive PRACTIVE range from the HOMAG Group opens up new perspectives for flexible production in the woodworking shop sector – from attractive 3D room planning software for the point of sale through production to delivery.

There is improvement potential in every workshop. Innovative PRACTIVE solutions for practically every requirement help this potential to be exploited to the full. The growing customer expectation of individualized solutions makes flexible production a must – starting with material storage and handling systems. A saw, for instance, can be upgraded with the integration of a “Domino System” labeling and stacking concept or a nesting machine. And further downstream, sanding machines, CNC processing centers, edge banders with return conveyor and the patented **laser**Tec process for zero joints all play their part in ensuring perfect workpieces. Individual machines can be networked to create flexible production cells which allow joiners to respond rapidly to the requirements of tomorrow. The decisive factor here is an integral system of software.
The HOMAG Group offers software solutions from a single source which are designed to ensure an optimum work flow. In this way, PRACTIVE takes care of customer-oriented and flexible solutions along the entire process chain.

ecoPlus **– 30% energy savings**

Producers who are able to save energy, time, material and human resources will enhance their productivity and substantially reduce their costs. This is precisely what the **eco**Plus technologies from the HOMAG Group are designed to do. What is the extent of the potential from energy consumption savings alone? A company which opts for HOMAG Group solutions from the storage system to the saw and the edge banding machine and from the processing center to the sanding machine can reduce energy consumption by up to 30 %, saving several thousand Euro every year. This is achieved using the latest control technologies, smart standby systems, efficient suction concepts and reduced compressed air consumption. HOMAG Group machines are also capable of producing substantially higher volumes today using the same ínput of reseources. Productivity has risen over recent years by around 25 % percent!

Technology trendsetter in lightweight construction

There can be hardly any material innovation to impact so dramatically on the industry over recent years as lightweight construction. The HOMAG Group was quick to recognize this trend at an early stage and is one of the world's trendsetters when it comes to new technologies for the processing of lightweight materials. Machines and plants from the HOMAG Group cover the entire spectrum: from panel manufacturing through panel dividing and inscription to edging – for instance with the innovative **double**edge technique, or hardware mounting and assembly. HOMAG Group technologies not only ensure the perfect processing of honeycomb board, but also make for enormous increases in efficiency in some areas.

LIVE in Hall 26:Lightweight tabletops

supportEdge **with honeycomb board – 100 % time savings!**

Support edge and decor edge gluing take place on the double-sided sizing and edge banding machine HOMAG KFL 620 using **support**Edge technology in a single pass with two gluing sections. Compared to the previous method with separate banding of support and decor edges, this method is twice as fast at an impressive 50 m/min!

Special presentation “lightweight.network” in Hall 17.

The HOMAG Group APP: Always to hand.

Fed up with toting brochures around with you? Like to know what’s new BEFORE the LIGNA? The HOMAG Group APP makes it happen! Highlights, machines, a HOMAG City plan, videos, dates and deadlines ... All the information you need is here:

Simply scan in the QR code on the machine, enter your email address and hey presto, the requested brochure will land in your mailbox.

All this can be found from April at www.homag-group.com/App

Pictures courtesy of: HOMAG Group AG

Fig 1:
Touch the innovation – touch the future!

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