

PRACTIVE at the LIGNA 2011 – woodworking shops, wood and more

PRACTIVE for the practitioners – expertise tailored to the needs of woodworking shops

Today’s woodworking shops and joineries are reliant on the benefits of high quality products, flexibility and integral solutions at an affordable price. Sporting the slogan “Save time, save energy, save space, save money!” under the Practive banner the companies of the HOMAG Group will be presenting an array of unbeatable benefits with high-efficiency machines and intelligent software solutions designed specifically to address the needs of woodworking shops and small-scale producers. The companies of the HOMAG Group share their enthusiasm with their customers – because the marriage of enthusiasm and sophisticated technology is bound to result in innovative and top quality products.

The companies BARGSTEDT Handlingsysteme, BRANDT Kantentechnik, BÜTFERING Schleiftechnik, HOLZMA Plattenaufteiltechnik, HOMAG Holzbearbeitungssysteme, LIGMATECH Automationssysteme and WEEKE Bohrsysteme between them presented over 30 high-powered individual solutions to the trade fair public at this year’s Ligna. But even more importantly, the partners’ products are all ideally coordinated to work together: networked with the support of innovative software concepts from HOMAG eSOLUTION, they can be combined to create top-class system solutions.

Innovations on show at the Homag Group stand included a complete solution featuring the new BARGSTEDT plane storage system TLF 210 for woodworking shops in combination with a HOLZMA saw or a WEEKE nesting machine – the ultimate in flexibility.

World premiere Venture 316: 5-axis technology for all

HOMAG unveiled a totally new machine based on the BMG 300 platform at the show. Destined to be a “smash hit for all”, the VENTURE 316 presented at the Ligna promised to reveal to visitors a whole new world of stability and precision in this machine category. From now on, 5-axis processing to a high standard of quality and flexibility will be within the reach of every budget. Here, it is the customer who sets the standard: The new Venture 316 has everything it takes to address practically any customer requirement in the furniture and door production and interior fittings sectors. A small number of standard tools permit practically every type of processing requirement to be covered without the need to use non-standard units or tools. This is the ideal work horse for all those who cannot be sure what it is their customers are likely to want tomorrow or the day after.

The Venture 316 sets whole new standards in its category: The weight alone – around 30% higher than that of comparable products – and the generously dimensioned, stable moving gantry clearly mark this out as an industry standard machine with a woodworking shop price tag. The machine also provides a wide range of features as standard equipment, such as a pneumatic interface at the spindle, rack and pinion drives in X and Y, vibration sensor for spindle protection or an effective part height of 250 mm from the console, which can be used complete with all units. HOMAG Finance – the finance partner behind the majority of leasing transactions for woodworking shops and cabinet makers in Germany – is able to facilitate speedy new investment with attractive leasing offers for all of the company’s machines.

"Easy2Feed" – automatic feed with an affordable price tag

This year HOLZMA exhibited its HPP 230 machine linked to the new BARGSTEDT storage system TLF 210, in conjunction with a WEEKE nesting machine, the perfect solution for expanding woodworking shops and producers working with small batch sizes.

HOLZMA also presented the HPP 350 – the perfect solution for growing woodworking firms and companies producing small batch sizes. This saw was exhibited in combination with the optional “Easy2Feed” system which feeds workpieces across the rear machine table. The feed process is performed automatically, saving the user both time and space, and also increasing the saw’s output.

BRANDT and HOMAG: The right solution for every edge

The AMBITION series is precisely oriented to the requirements of both woodworking shops and industrial producers. With a complete portfolio from the smallest through to the high-tech, ultra-flexible fully automatic resetting edge banding machine, BRANDT and HOMAG offer individually tailored solutions with an affordable price tag.

The new Highflex 1220 featured at the show is revolutionizing the Highflex range from BRANDT. Even in its basic version, it provides a high level of automation and a 10% increase in performance, saving customers time and offering a good cost-to-performance ratio. Highflex 1220 also permits complete processing of workpieces. Also featured by BRANDT was the Ambition 1660 FGC – here, the watchwords are flexibility, economy and resource efficiency. This machine proved a main attraction at the show, largely due to the use of the new BRANDT QA 45 gluing unit.

“PUR”e innovation: QA 45 gluing unit from BRANDT

Minimal heating up time, scope for fast resetting and consequently a high level of flexibility when processing different glues, edges and panel materials – these are the characteristic features which best describe this new gluing system. The focus of the QA 45 is firmly on time savings and operating convenience. Heating up takes a maximum of just 10 minutes – meaning major savings in time spent melting the glue during preparation for the production process.

Changeover to different glue types (such as PUR) or colour changes are also possible within a minimum delay, as the application unit is fitted with an automatic cleaning and emptying mechanism. This reduces standstill times to a minimum. And in terms of resource efficiency and cost savings, the Ambition 1660 FGC comes with the very best credentials. The workpiece gap optimization permits the production of a higher number of workpieces without increasing the processing time.

LIGMATECH world premiere: Return conveying, feeding and stacking in one

LIGMATECH focuses much of its attention on the woodworking shop sector at the Ligna. Firstly, it linked the world premiere of the ZHR 500 with a HOMAG edge banding machine KAL 211 edition. This return conveyor is designed on the basis of gantry technology, and alongside the return transport of workpieces is also capable of feeding and stacking.

LIGMATECH also exhibited the ZHR 100, the most compact of its return conveyors, on a BRANDT KDF 1440 edge bander.

Flexibility: CNC processing from HOMAG and WEEKE to address every level of need

WEEKE provided some surprises this year in the form of innovations to its BMG series. Following a smart expansion of the range, WEEKE is now offering a versatile spectrum of equipment variants to address every conceivable requirement. Its BHX 050/055 machine also made a big impression at the show. Providing CNC technology on a footprint of less than 5 square metres, this model has already elicited an enthusiastic response from over 660 customers around the globe.

BÜTFERING: Rediscovering flexibility

The BÜTFERING presentation concentrated particularly on innovations in the field of unit technology. The focus was on wide-belt sanding machine SWT 315 X featuring the X unit at its nerve centre. This unit forms the perfect symbiosis of combination unit with contact roller and sanding unit with chevron belt. This unit fulfils application fields for which two units have always been required in the past – namely a combination unit and chevron belt unit. In this way, the X unit fulfils a wide variety of different applications – from calibration through fine sanding and denibbing to the most challenging high-gloss sanding finish.

As the X unit can be used comprehensively in all the machines of the 300 and 500 series, it can be combined with up to five different sanding units. Particularly interesting for interior fittings companies is the combination of transverse and X-longitudinal sanding unit. This version allows the user to process top quality surfaces using the cross sanding technique.

Optimum sanding results: BÜTFERING backs SORB TECH

In its 500 series, designed to address the needs of sophisticated woodworking shops and medium-sized industrial operations, BÜTFERING featured a continuation of the innovative machine bed made of the mineral material SORB TECH. This machine frame concept, which was previously reserved to heavy-duty industrial machines, is now being used by BÜTFERING worldwide in machines aimed at the medium performance category. This fibre-reinforced mineral composite material technology cuts vibration down to a previously unattainable low level, coupled with optimum sanding results. This improvement in sanding quality is due to the smoother running properties and significantly reduced vibrations.

CAD|CAM software for HOMAG Group AG machines

Since January 2011, HOMAG eSOLUTION has raised the networking of machines and software to a whole new integral dimension which marks a brand new departure for the industry. It actively supports customers from the furniture and interior fittings industries and also from the structural element sector to achieve software-based optimization of their business processes. Alongside classical CAD/CAM products, integrated software solutions for sales and production planning form the focus of its work.

The wood**CAD|CAM** software from HOMAG eSOLUTION specializes both in woodworking companies and internationally operating industrial furniture manufacturers. From the initial sketch to the final product, from the costing process through to the quotation, from the parametric design of individual items of furniture or complex room planning concepts through to CNC data generation, this software is all about safety and security in the order execution and production process.

Extreme programming simplicity with woodWOP 6.0

wood**WOP** 6.0, the latest generation of the **Workshop-Oriented Programming** system installed already in over 25,000 HOMAG Group applications, makes for significantly simplified CNC programming– as visitors to the stand had the opportunity to experience at first hand in a series of live demos. The new three-dimensional workpiece view provides greater safety and clarity in the production engineering process, as all the processing operations are graphically displayed. The help function integrated in the user interface provides an illustrative graphic for each parameter and supports the daily work of the programmer. The free adjustability of window sizes and information boxes which can be hidden or shown as required permits programmers to configure the interface to suit their specific requirements. An update is also available for existing users.

Photo material provided by: HOMAG Group AG

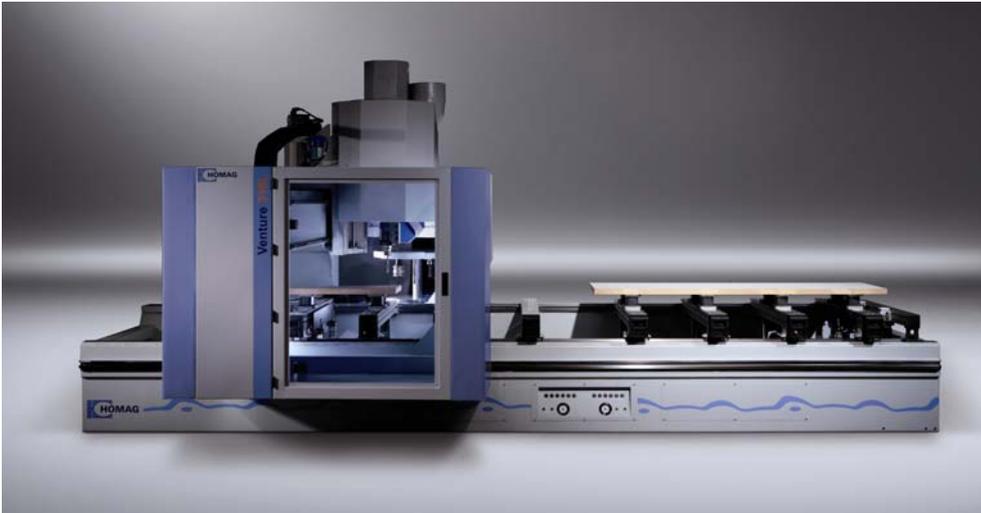


Fig. 1:
HOMAG Venture 316 five-axis processing centre



Fig. 2:
Brandt Highflex 1220 entry level machine for the ultimate in flexibility



Fig. 3:
BÜTFERING wide-belt sanding machine SWT 315 X

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