



# Press News

## **woodCAD | CAM: The HOMAG Group's Design-to-Machine Software Solution**

Developed for the furniture and furniture supply industries, the HOMAG Group's woodCAD | CAM software optimises production processes from initial design concept through to the finished product. This software is specifically configured for HOMAG Group machines to create efficient order processing and production.

"The furniture industry is under huge pressure to reduce manufacturing time and costs in order to meet ever tougher market demands," explains Simon Brooks, sales and marketing director at HOMAG UK. He continues, "These days we all expect quality products at value for money prices and, in this instant society, long delivery times are just not acceptable. On top of all this, we want to own something which is that little bit different, something more bespoke. It's not a good feeling to walk into someone else's house and see exactly the same furniture as we have at home.

"These demands dictate that not only do manufacturers have to be extremely flexible and in tune with the market, but they also have to be able to change designs and put them into production quickly, all in the most cost efficient work flow. These drivers were the very inspiration behind HOMAG's design-to-machine woodCAD | CAM software concept."

### **From Design Direct to Machine**

"This software delivers parametric furniture design in 3D and provides a direct link to the manufacturing machines. This means that whether for standalone furniture or complex room plans, the path from the first concepts to production on the machine is as simple as it is impressive.

"Immediately following the design process, production drawings and bills of material can be created at the click of a mouse, with design data automatically

forwarded to the saw, edgebander and CNC machines. This ensures perfect integration of production machines into the overall process," enthuses Simon.

### **Design in 3D with Customer Visualisations**

Regardless of whether you are working with dimensionally variable carcass furniture or complex furnishing items, such as counters, bars or reception desks, assemblies are generated in 3D complete with all their connections, processing operations and hardware.

Operation is simple and intuitive with every design change immediately calculated and depicted.

When it comes to visualising prototypes, planning and design results are photo-realistically depicted so that customers can easily see or visualise how the finished furniture will look.

At the same time, woodCAD | CAM creates drawings in a two or three-dimensional view. This includes all cross-sections and details for easy communication with architects and developers.

### **Total Production Control at the Click of a Mouse**

The system encompasses an integrated order and project management capability. This means planning and design data is calculated directly with material and production costs which can be read out in various forms, such as a manufacturing cost calculation or a quotation template.

The system automatically generates dimensioned component drawings directly from the 3D design. In addition, all the necessary cutting lists, bills of material, bar codes, labels and CNC programmes are automatically generated, saving time and eliminating errors.

From here, HOMAG Group machinery such as panel sizing saws, throughfeed machines and CNC processing centres can be directly actuated with all the

necessary parameters such as tool selection, drilling pattern, speed feed rate or approach strategy.

### **The Competitive Edge**

“This software gives furniture manufacturers a real edge,” claims Simon. “Not only is it the most efficient way to produce furniture, but it is also the only real alternative if you want to remain competitive. WoodCAD | CAM is an extremely cost effective product and due to its modular design, customers only need purchase the parts relevant to their business.

“The HOMAG Group prides itself on its innovation and has recently enhanced the woodCAD | CAM software by adding further modules to it. These modules give it the ability to work with both nesting and five axis machines ensuring that the technology is truly versatile.

“Companies that have invested in the woodCAD | CAM software are enjoying a sea change in their production processes as well as a significant uplift in their bottom line. This recent development from Group is really exciting and a superb edition to our already comprehensive range of software solutions for the woodworking and plastics industries,” concludes Simon Brooks.

For more information on the latest woodCAD | CAM software concept from the HOMAG Group call Adele Hunt at HOMAG UK on 01332 856424.

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