HOMAG Holzbearbeitungssysteme GmbH

Gantry-type processing centers
Venture 320

New generation of CNC-machines with consistent focus on moving gantries

High mechanical stability with extended machining possibilities – Continuous commitment to Siemens drives technology and industrial PCs

More for industry and handcraft

HOMAG is an international market leader and sought-after specialist in the field of sizing and edge banding, with an extensive product program for efficient woodworking for both, industry and handcraft.

More machining scope

Machines of the BMG series for example can be equipped with various trimming spindles, drilling heads, and tool changers – namely with enormous combination possibilities. In addition, there is the entire range of banding units, as well as edging magazines.

More space coupled with reduced footprint

The gantry-type processing centers providing the same work area with lower space requirement. Thus – the BMG moving gantries are easily able to cope with part lengths of up to 7,575 mm and widths of up to 3,025 mm.

More stability and higher quality of workpiece surfaces

A highly rigid machine construction reduces vibrations and optimizes the flux of forces. Thus, a perfect processing quality of workpiece surfaces will be achieved.

siemens.com/wood
With new materials, and mechatronic optimization to even better stability and higher productivity of woodworking machines

Ever increasing requirements concerning the processing quality and the power of woodworking machines have led to the development of new mineral cast materials like SORB TECH for mechanical engineering. Machine frames based on mineral cast offer enormous benefits for woodworking processes: They guarantee a very good surface quality, and this plays an important role in this industry. They also allow substantially improved tool-service lifecycles, high feed rates and accelerations.

The adoption of such new materials, the optimization of the machine design by intensive mechatronic tests and analysis, as well as the suitable parameter-optimization of the drives and control products in use, led to measurable customer benefits concerning productivity and quality at the end user site.

Siemens drives and Industrial PCs for highest requirements

With the consequent use of Siemens drives technology throughout all CNC processing centers of Homag, a high consistency and standardization across all machine ranges will be reached, from the order process to the machine manufacturing and commissioning up to the final production at the end user facilities. The close and intensive cooperation between Homag and Siemens assured, that the Homag control-software for more than 100 machine types runs successfully on not more than 3 hardware versions of Siemens Industrial PCs only. Furthermore, all components are able to communicate in real time via PROFINET.