

Maximum part processing, minimum floor space requirement

The Raumwunder – The new DRILLTEQ V-310 from HOMAG

With the new DRILLTEQ V-310 vertical CNC processing center, HOMAG is setting new standards. Comprehensive solutions for milling, drilling and grooving - combined with additional unique features on a footprint of just 11 m² - have never been seen before in this form of woodworking machines. Resources and space are often limited, especially in the craft woodworking sector. In order to be able to offer high-quality and individualized CNC processing in these limited spaces, HOMAG has met the market requirements and developed a true space-saving miracle in the form of the DRILLTEQ V-310.

Up to 45 drilling spindles, 2 swiveling grooving saws, a dowel insertion unit and a C-axis with unit interface round out a wealth of extensive application possibilities with the DRILLTEQ V-310. The units can be easily combined with an 8-position tool changer and adapted to the application situation. Because of this, extensive tasks for sawing, milling, and drilling for classic furniture construction are possible, as well as capabilities for an extensive range of furniture connectors. Even door processing is possible. Comparable to the process with other machines in the DRILLTEQ series from HOMAG, on the DRILLTEQ V-310 the workpieces are optimally held with two collets, without vacuum, while they are drawn into the machine during production. The workpieces are clamped vacuum-free and ergonomically via an easily accessible foot switch.

Optimized handling - Ergonomic processes

The large panoramic window offers an optimal view into the interior of the machine. The tilting control panel, in combination with the height-adjustable monitor, enable ergonomic and efficient work. This means that changing operators is always easy on this machine, as adjustments can be made easily depending on operator height or preference. Short distances and quick access to all functions characterize the DRILLTEQ V-310 and are the basis for an optimally thought-out production process.

Visual LED support with intelliGuide

A feature that will absolutely increase efficiency and ensure process reliability is the tool-changing concept on the DRILLTEQ V-310. On the software system side, tools can be transferred from the tool management system "toolManager" to the picker simply with a tap of a finger. The intelliGuide system then indicates on the physical tool changer which action is to be carried out.

To support the machine operator, the loading area of the DRILLTEQ V-310 is also equipped with an LED assistance system. Incorrect loading will be a thing of the past. The intelliGuide system is linked to the control system and shows the workpiece sizes and the correct positioning for loading into the machine by illuminating the LED bars in the X and Y directions. This saves time, reduces operating errors to a minimum and is also an ergonomic advantage, as the workpieces only have to be lifted and inserted once.

New safety concept with safeScan technology

The safety of the operators, in harmony with the machine in the context of production, is clearly a priority. Here, HOMAG relies on a new system without safety mats - with safeScan.

If the lasers detect movement or entry into the operating area, the machine stops. The program is not interrupted, but merely paused. If the person leaves this area again, the DRILLTEQ V-310 continues processing. Thanks to the automatically integrated auto-quit function, no confirmation or restarting of the machine is necessary. Leaving the area is sufficient to continue production.

“The Raumwunder”

HOMAG has redefined CNC processing with the DRILLTEQ V-310. The wealth of technical possibilities, along with time-saving and ergonomic benefits for customers, are the proof. On top of all that, the DRILLTEQ V-310's features are all paired with a focus on sustainability and conserving resources. When you see this in combination with the small footprint of 11 m², the uniqueness of this machine becomes clear. There has never been so much CNC processing in such a small space.

The DRILLTEQ V-310 vertical CNC processing center is truly a miracle of space.

Pictures

Source image material: HOMAG Group

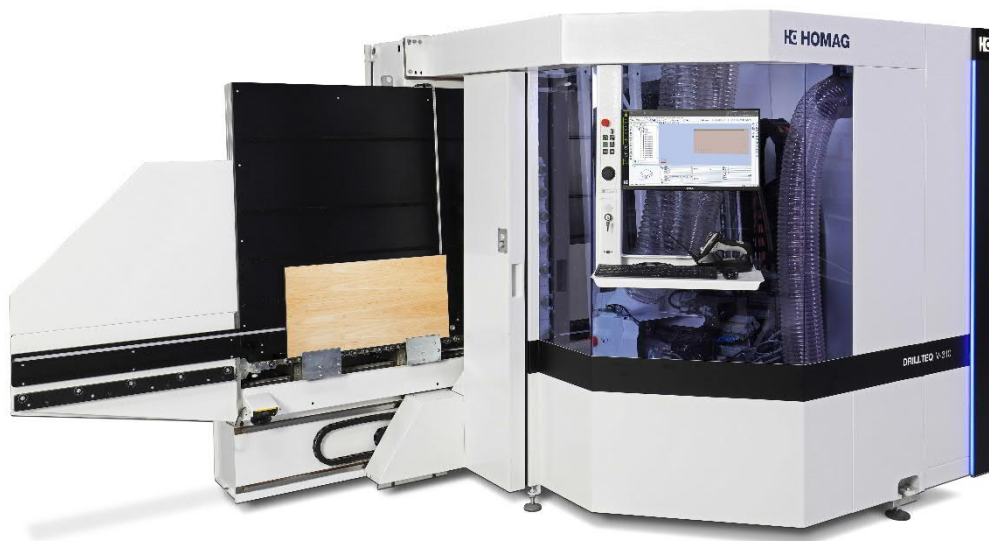


Image 1: DRILLTEQ V-310 - The Raumwunder. Maximum processing. Minimum space requirement.