**Press release**

# VCBL-HD: Clamping multi-talent for CNC wood working

Whether thin and sensitive components or heavy solid wood with rough surfaces - the new vacuum block from Schmalz clamps everything safely while the CNC machine mills its exact shapes. The VCBL-HD thus saves time-consuming setup processes and speeds up wood working.

Schmalz has developed a new hose-free vacuum clamping system for CNC processing machines. The VCBL-HD clamps onto 1-circuit and 2-circuit console tables and ensures precise milling results thanks to its high holding force and lateral force absorption. It replaces its predecessor VCBL-A: this previously held rough surfaces of heavy solid wood panels with its special friction pad made of emery cloth, but was too abrasive for sensitive surfaces. At the same time, the VCBL-HD supplements the previous VCBL-K1 and K2 series, which are designed for lighter and more sensitive workpieces.

The new vacuum block thus combines the advantages of the two VCBL versions available to date: Its main body made of aluminum provides sufficient stability even for heavy sheets and high cutting forces. Thanks to its adaptable sealing gasket, its replaceable suction plate safely fixes even structured surfaces. Even though the suction cup offers enough holding force for solid wood, solid surface and laminated materials, its contact surface is gentle enough to clamp even thin and delicate surfaces without damage. In contrast to the previous portfolio, the VCBL-HD with its wide range of applications saves many a setup operation.

For even more flexibility, Schmalz has achieved rotatable suction plates. This allows the vacuum block to adapt perfectly to different workpiece geometries. An integrated NFC tag reveals all relevant product data, such as spare part numbers, if required - via smartphone in the Schmalz ControlRoom app.

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**Meta-Title:** From Thin to Heavy: New Schmalz Suction Block Clamps Almost Everything

**Meta-Description:** Schmalz reduces set-up times in CNC woodworking with its new VCBL-HD vacuum block. This fixes thin workpieces as well as solid surface materials and solid wood with rough surfaces.

**Keywords:** Schmalz; VCBL; VCBL-HD; vacuum pad; woodworking

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|  | **Image 1:**  The VCBL-HD ensures precise milling results due to its high holding force and transverse force absorption. |
|  | **Image 2:**  The new vacuum block VCBL-HD reliably holds solid wood, solid surface and laminated materials. |

Image: J. Schmalz GmbH

**Company**

Schmalz is one of the market leaders in vacuum automation and ergonomic handling systems. Schmalz products are used all over the world, for example in applications in the logistics industry, the automotive industry, the electronics sector or in furniture production. The wide range of products in the Vacuum Automation unit includes individual components such as suction cups and vacuum generators, as well as complete gripping systems and clamping solutions for holding workpieces, for example in CNC machining centers. The Handling Systems unit offers innovative handling solutions with vacuum lifters and crane systems for industrial and handicraft applications. With the Energy Storage unit, Schmalz has created a new pillar in the field of stationary energy storage.

With comprehensive consulting, a focus on innovation and first-class quality, Schmalz offers its customers long-lasting benefits. Schmalz’s intelligent solutions make production and logistics processes more flexible and efficient, while also preparing them for the increasing trend toward digitalization.

With its own locations and its sales partners, Schmalz is represented in around 70 countries and in all important markets. The family owned company has around 1,800 employees at its headquarters in Glatten (in the Black Forest region of Germany) and its 31 subsidiaries worldwide.

**Contact for questions**

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