



NEW 5-AXIS-MACHINING CENTER - VCX600I XP

Flexible workpiece handling for larger components

The 5-axis machining center VCX600i XP is a completely newly developed machine whose design was based on HURCO's entire 5-axis know-how. The machine thus offers sustainable increases in performance, stability and accuracy compared to the previous 5-axis models.

Pliening, Germany, July 2021: The VCX600i XP is aimed at users who work exclusively in the 5-axis range and primarily manufacture medium-sized parts. For this purpose, the SK-40 spindle can access performance data of up to 16 kW, 102 Nm and 12,000 min⁻¹; there is space for 40 tools in the tool magazine. With a separately opening roof for crane loading, the workpiece handling of larger components is flexibly designed.



5-axis machining center from HURCO with the Max5 CNC control

At the same time, the machine was designed to be very massive. Equipped with a rotary-swivel table and a moving column behind it, the VCX600i XP moves fewer axes in the compound, which increases accuracy mechanically alone. The swivel bridge is recessed in the bed and does not move in space, which has a positive effect with increasing component size or mass. The bridge and swivel table are equipped with torque drives, making them 100 percent 5-axis simultaneous capable – highly dynamic even in continuous operation.

Sebastian Herr, Head of Application Engineering at HURCO: “With the VCX600i XP, we are starting from pole position in the 5-axis machining center sector. It is designed for high-precision and -dynamic machining. In this way, we are taking into account the fact that increasingly complex and precise components have to be manufactured.”

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