

With the X-CELL WB, ZELTWANGER is taking automation of machine tool loading to the next level

X-CELL WB – the intelligent machine tool loading method



(Dußlingen, 08/09/2019) Maximum efficiency, maximum simplicity, maximum flexibility – with the new X-CELL WB, the Tübingen-based company ZELTWANGER is setting new standards in the automation of machine tool loading. The Industry-4.0-ready handling cell is an intelligent, modular system that flexibly adapts to parts of various sizes and is easy to operate – all packaged up in a compact, attractive design. Optimum utilization of CNC machines, shortened set-up times, reduced amortization periods, and cost-effective, efficient, and reliable order processing – the X-CELL WB combines all these strengths with unprecedented flexibility and simplicity.

High-end robotics without programming knowledge

Configuring instead of programming: The X-CELL WB stands out due to its extremely easy handling. No experience in robotics is required to set up new parts. The intelligent software calculates the pick-up and put-down position in the inlay itself using the blank dimensions. This means that only the dimensions, length, width, and height need to be entered

into the machine when changing a part. Every machine operator can configure a tool change; there's no need to call for a programmer or engineer.

The X-CELL WB stands for efficient order processing

The changeover times are kept as short as possible thanks to simple handling. Changeover can even be carried out during operation thanks to the intelligent X-CELL WB drawer system. The number of pneumatic drawers can be selected depending on the degree of autonomy required. There are two, four, or six drawers with individual inlays. This makes it possible to complete separate orders with each drawer. The loading capacity depends on the size of the components.



Up to four gripper change systems can be integrated in the X-CELL WB. This means that multiple orders can be processed automatically without the operator having to change the gripper. An integrated reversible gripper enables machining of the sixth side without manual reclamping. The single, double, and special grippers are all equipped with an integrated blowing nozzle and position monitoring for component recognition.

Fully automated pre-stamping also ensures shorter set-up times: While in other solutions each part has to be stamped manually before automated loading, the X-CELL WB allows parts to be pre-stamped during machining.

Maximum efficiency that pays off

Innovative robotics, simple handling, maximum efficiency – it has never been easier to increase production capacities. With the X-CELL WB, a machine tool can run 24 hours a day, seven days a week without the company having to implement special shift patterns. However, this long period of self-sufficiency should not replace any jobs – on the contrary: The capacities saved here can be used elsewhere



and allow orders to be accepted that would otherwise have had to be rejected. The machine costs/hour are also significantly reduced – ideally, the X-CELL WB will have refinanced itself after a few months.

Reduced staff costs per part, lower machine costs/hour, short amortization period – the X-CELL WB is a solution that pays off for everyone. ZELTWANGER guarantees a comprehensive service from a single source: From the user-friendly system visualization via interface and CE declaration to quick and smooth commissioning, including a detailed induction from the ZELTWANGER service team.

More about the new innovative product in machine tool loading – the X-CELL WB – at www.xcellwb.com

ZELTWANGER Holding GmbH

Technology and quality leader

The Zeltwanger Group has established a well-respected position in the market with its modular assembly and testing systems, which can be constructed individually and flexibly. The main focus is on manually linked “one-piece flow” line concepts and ergonomic single-position systems. In addition, fully automated part carrier and robot-based assembly systems meet customer-specific requirements. The range includes leak testing systems, modular assembly systems, pin assembly systems, and polishing systems for ceramic substrate. For use in the medical and biotechnological field, systems are created in accordance with European and American standards and the “Good Manufacturing Practice” guidelines.