MAKA: a company with tradition

MAKA Systems develops with the experience of more than six decades CNC-machining centers and all-round sector solutions for the wooden industry.

Fields of application

The field-proven stationary gantry concept enables high travelling dynamics and thus stand for first-class routing results in three-dimensional machining and machining on multiple sides. The CR 27 has been developed for precision machining in the manufacturing of furniture, stairs and doors as well as in other branches of industry.

Technical data

- Double portal system
- 5-axis-milling unit
- Milling spindle up to 24,000 rpm, 16 kW
- Working area: 3,000 mm x 1,500 mm x 420 mm
- Driving speed up to 60 m/min
- Tool chain magazine 51 places
- Optional robot loading

Tandem operation at two tables

The tandem table technique allows alternating operation and minimizes downtimes for loading and unloading of the work pieces. For the processing of large components both tables can also be linked.
Dynamic, high-precision and reliable control technology

For controlling, monitoring and precise execution of these highly dynamic machining operations, a comfortable and efficient CNC-control of the latest generation, the SINUMERIK 840D solution line from Siemens, is used.

Flexible adaption in order to meet the market's constantly changing demands

The requirements for CNC-machines in the woodworking industry become more and more demanding. The focus of many investment decisions is on a high flexibility for the adaption of a machine to the permanently changing market and deployment.

The MAKA CNC-machining center CR 27tx of high-end-class, which can optionally be equipped with robot loading, is a good example for this: The double portal system is equipped with a high-performance-5-axis-milling unit with tool shuttle, a vertical 3-fold-milling unit, a multi-spindle drilling unit and a chain tool magazine with 51 places and thus enables complete machining in a single setting. The tandem table technique optimizes the downtimes in alternating operation, for the processing of large components, both machine tables can run as well separately as also when they're linked.

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High-performance-3-axis-milling unit

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