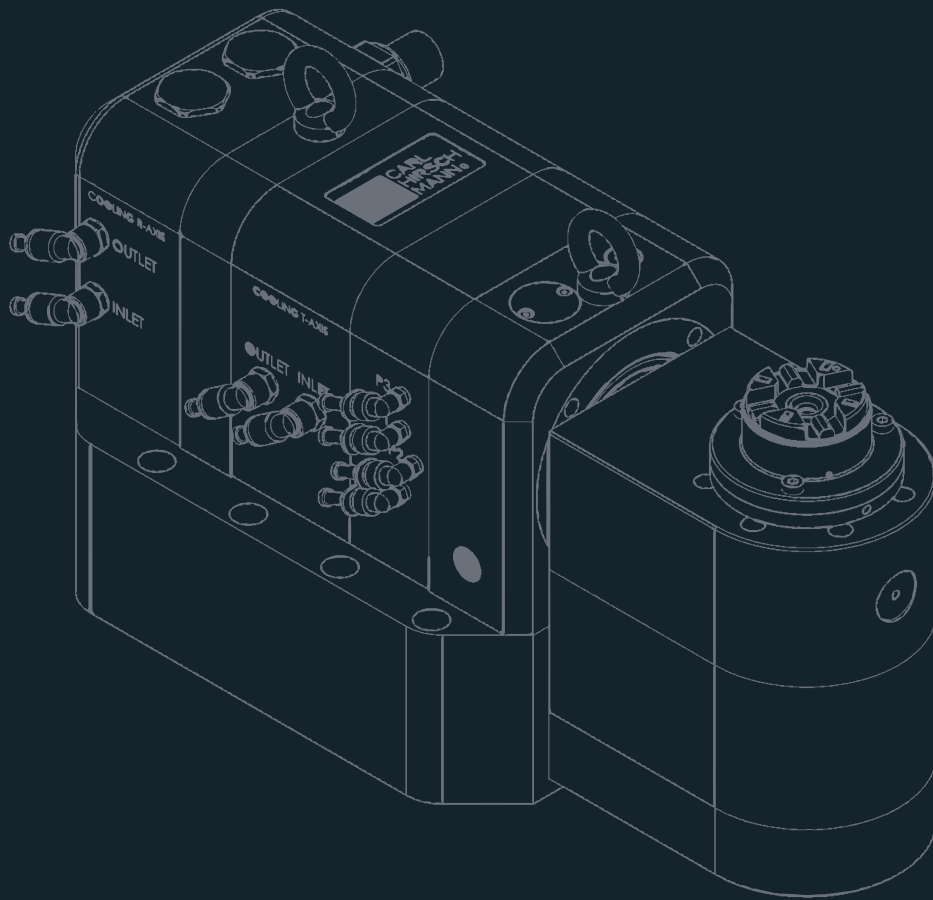


the **precision** benchmark



Two-axis Rotary Indexing Table

**CARL
HIRSCH
MANN** 

EN1937

Highest precision meets maximum dynamics

New two-axis rotary indexing table

FJRTD100RTN.xx with direct drive



Carl Hirschmann is launching a compact two-axis rotary indexing table with direct drives especially for the production of small parts. This new development for simultaneous machining and exact positioning of workpieces is characterized by flexibility as well as very high speeds and acceleration profiles at the limits of what is technically possible - with maximum precision through the combination with the patented zero point clamping system μ -PrisFix-Nano (picture 2: clamping and pallet selection). Another special feature is the integrated compressed air supply for pneumatic connections. The innovation goes back to market inquiries for laser machining. The rotary axis and the swivel axis are each driven by a torque motor, which transmits the rotary motion 1:1 without reduction.

Integrated air feed-through

A special feature of the rotary indexing table with direct drive is the integrated air feed-through, which enables automated manufacturing. During the internal pneumatic transfer, an air connection actuates the clamping system and opens the spring packs, which ensure stable attachment of the workpiece. The second compressed air connection is used to clean the installation surfaces or to automatically check whether there is a workpiece in the machine.

Flexibility due to modular design

The new development with direct drives offers flexibility thanks to its modular design. This opens up numerous application options for customers. For example, it is possible to use a variant of the design as a single-axis machine for vertical or horizontal machining. The interface for almost every machine table is just as variable. The fastening can be modified in many ways and can also be individually adjusted in height. Other technical solutions are available on request.



Characteristics:

- Laser machining: 3D deposition welding (additive manufacturing), laser drilling of cooling holes
- Sinking EDM, wire EDM, EDM drilling, fine milling, HSC milling
- Enables automated manufacturing
- Integrated air feed-through, 2 compressed air connections
- Compact design
- Modular design
- Highest precision: combined with patented clamping system μ-PrisFix-Nano
- Can be operated both in machine control system and with separate Carl Hirschmann control system
- Completely made of rust-proof materials
- Protection class IP68 (protected against permanent submersion)
- Dividing accuracy on both axes is ± 10 angular seconds



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