



DATRON



DATRON M7/M8/M10 Trunnion-Style 5-Axis

Highly precise 5-Axis machining with integrated zero-point clamping system

The new two-axis NC rotary/swivel table expands the machining options of the DATRON M7, M8 and M10 milling machines. Five workpiece sides can be machined in one set-up.

Advantages of the rotary axis:

- Precise 5-side machining in one set-up
- Integrated zero-point clamping system
- Extensive software support with automatic set-up function and zero-point tracking
- Reproducible placement in the table "cutaway" for DATRON M8 and M10 milling machines

DATRON M7/M8/M10 5-Axis

The M7/M8/M10 rotary/swivel table was specially designed for the DATRON M7, M8 and M10 machines. It is possible to retrofit existing machines with a table breakout.

The massive and rigid unit consists of a horizontally aligned swivel axis in a U design, which supports the compact rotary table with a face plate diameter of 135 mm.

Six centering sleeves ensure that the rotary/swivel table can be repeatably placed in the "cutaway" of the machine. Included in the packaged delivery is a zero-point clamping tower, which allows the pneumatic clamping of workpiece carriers with a repeat accuracy of 1/100 mm.

Application-specific workpiece carriers can be set up on the empty adapter plate (available as an option), which then can also be used as a changing system without additional set-up.



Technical data	M7/M8/M10 Trunnion-Style 5-Axis
Dimensions	
Total length	170 mm
Total width	600 mm
Total height	285 mm
Total weight	approx. 38 kg
Type of protection	IP65
Swivel axis	
Swivel range	-10 - 100°
Positioning error (absolute)	< = ± 25"
Rotary axis	
Rotation range without stops	360°
Axial running	< 0.01 mm
Concentricity	< 0.01 mm
Positioning error (absolute)	< = ± 25"
Workpiece dimensions for standard vise	
M8, M35 (L x W x H)	180 mm x 120 mm x 120 mm
M10 (L x W x H)	180 mm x 120 mm x 100 mm
Workpiece weight	max. 10 kg
Zero-point clamping system	
Unlocking	pneumatic
Clamping force	12.5 kN
Repeat accuracy	0,01 mm

Article designation	Art. no.
DST-M10 rotary/swivel table for M10 machine system	0A01126K
DST-M8 rotary/swivel table for M8/35 machine system	0A01126L
ZS-80/160 centering clamp Jaw width 80 mm, opening stroke 160 mm with adapter plate included in delivery	0A01130C
Adapter plate TP-135/H (optional)	0A01130B

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