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DATRON DATRON neo FI 0725 EN

Whether you're just getting started or you're scaling up complex production, the DATRON neo family offers the right solution for every level. With three models — DATRON neo Entry, DATRON neo, and DATRON neo Pro — high-speed milling is now more accessible, intuitive, and efficient than ever before. From an entry-level machine to a fully featured professional system, every DATRON neo model delivers precise results, simple operation, and maximum flexibility — all in a compact footprint. Thanks to our innovative DATRON next control interface, plug-and-play setup, and modern design, the DATRON neo series is built for the demands of today's modern production environments. Start Simple. Scale Fast. Succeed — with the DATRON neo.



More informations online!
www.datron.de/neo-family

Highlights

Clear, User-Friendly Work Area

Maximum access with minimal space. The open, ergonomic design makes loading, setup, and cleaning quick and easy.



Compact Design

Every DATRON neo fits through a standard doorway and integrates seamlessly into nearly any workspace.



DATRON next – Intuitive Touch Control

Step-by-step touchscreen guidance makes milling easy – even for beginners.



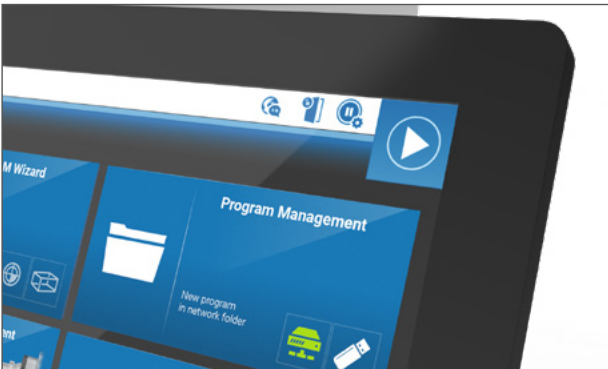
DATRON next visual set-up
(Available on DATRON neo & DATRON neo Pro)

Built-in camera and 3D probing ensure fast, accurate, and reliable workpiece alignment.



Plug & Play Setup

Unpack it. Plug it in. Start machining. No complex installation or configuration needed.



Outstanding Value

Three performance levels to match your needs and budget – all with best-in-class technology and support.



Technical Data

	DATRON neo Entry	DATRON neo	DATRON neo Pro
Traverse path (XxYxZ)	520 mm x 420 mm x 220 mm		
Working area (XxYxZ)	500 mm x 400 mm x 175 mm (Z = portal passage)		
Machining spindle	1.0 kW HF spindle; direct shank	2.0 kW HF spindle; direct shank	
Spindle speed	up to 27,000 rpm	up to 40,000 rpm	
Tool magazine	12 stations tool-holding fixture with tool length probe (optional)	24 stations tool-holding fixture with tool length probe	
Machining table	Mineral-cast portal construction and machine bed, aluminium table, steel stand	Portal construction UHPC, mineral-cast machine bed, aluminium table, steel stand	
Control system/software	DATRON next Entry (no additional software options available)	DATRON next	
Operating terminal	24" multi-touch screen with user-friendly hand-held control unit		
Workpiece measurement	3D probe Entry (optional)	DATRON 3D probe	
Minimum-quantity cooling lubrication system	2,5 liters coolant tank; 2-nozzles spray ring	5 or 10 liters coolant tank; 2-nozzles spray ring	
Positioning feed	Up to 12 m/min	Up to 28 m/min	
Feed	Up to 12 m/min	Up to 28 m/min	
Installation dimensions with operating terminal (WxDxH)	1,320 mm x 1,300 mm x 1,880 mm	1,320 mm x 1,450 mm x 1,900 mm	
Installation dimensions without operating terminal (WxDxH)	805 mm x 1,300 mm x 1,880 mm	805 mm x 1,450 mm x 1,900 mm	
Weight	Approx 700 kg	Approx 740 kg	
DATRON next visual set-up	-	✓	✓
Integrated status light	-	✓	✓
Front main switch	-	✓	✓
Separately controlled vacuum areas (front/rear)	-	✓	✓
Coolant tank; with integrated level switch	-	✓	✓
Portal construction UHPC to enhance static stiffness and effectively reduce vibrations	-	✓	✓
Vibration-reducing construction	-	✓	✓
Updated tool-holding fixture	-	✓	✓
Additional chip deflector plates and sealing elements	-	✓	✓
Hardware options			
DATRON Axis4 (optional)	-	✓	✓
Dust extraction system (optional)	-	✓	✓
Ionization bar (optional)	-	✓	✓
DATRON next software options			
e.g. protected areas, surface profile, DATRON Live, ...	-	✓	✓
Linear absolute encoders	-	-	All axes