

## THE DATRON AUTOMATION PORTFOLIO<sup>1</sup>

	Designation 1	Designation 2	DATRON neo Series 2	DATRON M8Cube	DATRON MLCube	DATRON MXCube	DATRON M10 Pro
Automatic front doors	M8Cube A, with automatic front door <sup>2</sup>	Concrete polymer table with cut-out section, edition	–	0A03210F	–	–	–
	M8Cube B, with automatic front door <sup>2</sup>	Concrete polymer full table, edition	–	0A03210G	–	–	–
	MLCube A, with automatic front door <sup>2</sup>	Concrete polymer table with cut-out section, edition	–	–	0A03300F	–	–
	MLCube B, with automatic front door <sup>2</sup>	Concrete polymer full table, edition	–	–	0A03300G	–	–
	MLCube A, LS, with automatic front door <sup>2</sup>	Concrete polymer table with cut-out section, edition	–	–	0A03301F	–	–
	MLCube B, LS, with automatic front door <sup>2</sup>	Concrete polymer full table, edition	–	–	0A03301G	–	–
	Automatic front door drive for MXCube	Drive with control module	–	–	–	0A01706D	–
Automatic side doors	Automatic side door for M8Cube	Electric side doors (left)	–	0A01706A	–	–	–
	Automatic side door for MLCube	Electric side doors (left)	–	–	0A01706B	–	–
	Automatic side door for MXCube	Electric side doors (right)	–	–	–	0A01706C	–
Automation modules	DATRON neo Series 2 automation module	Interface terminal with safety engineering	0A01705A	–	–	–	–
	DATRON M8Cube automation module	Interface terminal with safety engineering	–	0A01705B	–	–	–
	DATRON MLCube automation module	Interface terminal with safety engineering	–	–	0A01705C	–	–
	DATRON MXCube automation module	Interface terminal with safety engineering	–	–	–	0A01705D	–
	DATRON M10 Pro automation module	Interface terminal with safety engineering	–	–	–	–	0A01705E
	Digital input/output module 32 in/32 out	for DATRON next control system	–	0A01076F	0A01076F	0A01076F	0A01076F
Software options	DATRON next – option:	REST API Basic	0A01388A	0A01388A	0A01388A	0A01388A	0A01388A
	DATRON next – option:	REST API Automation	0A01388B	0A01388B	0A01388B	0A01388B	0A01388B

<sup>1</sup>Available from version 2.13

<sup>2</sup>This item includes the basic machine system with automatic front door

We look forward to providing you with detailed information:

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**DATRON**  
Smart Manufacturing Solutions



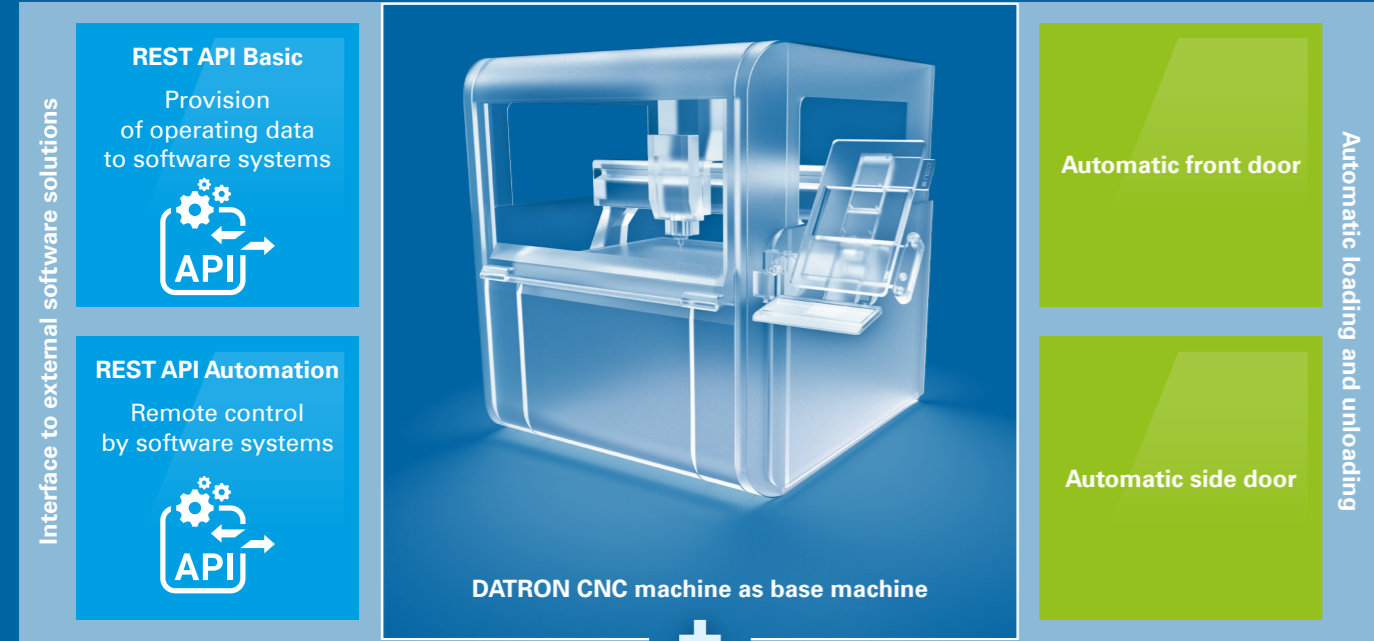
## Automation Ready

The smart DATRON automation portfolio offers efficient and customized solutions for future-oriented production purposes. Automatic front and side doors, interfaces to internal hardware, external automation and also software interfaces and solutions are add-ons to DATRON machine systems for state-of-the-art production processes and complete the product range.

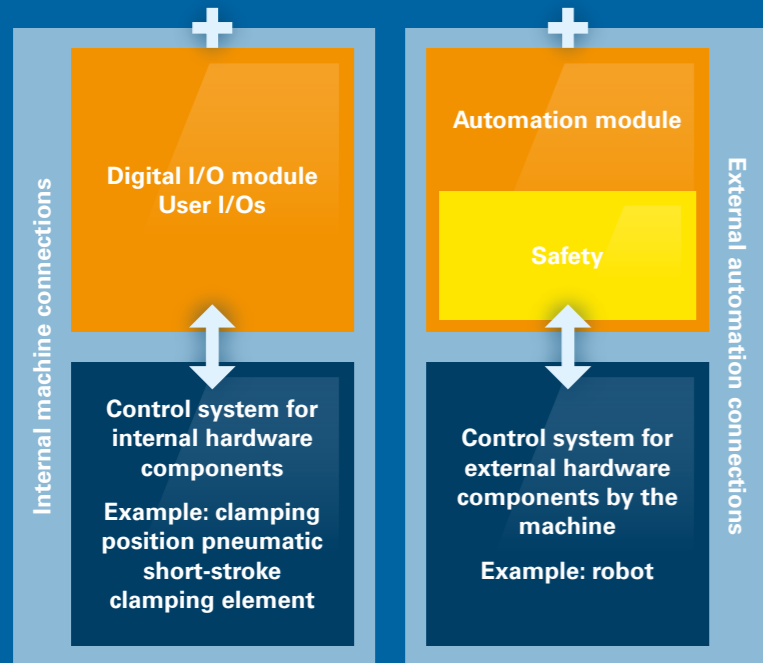


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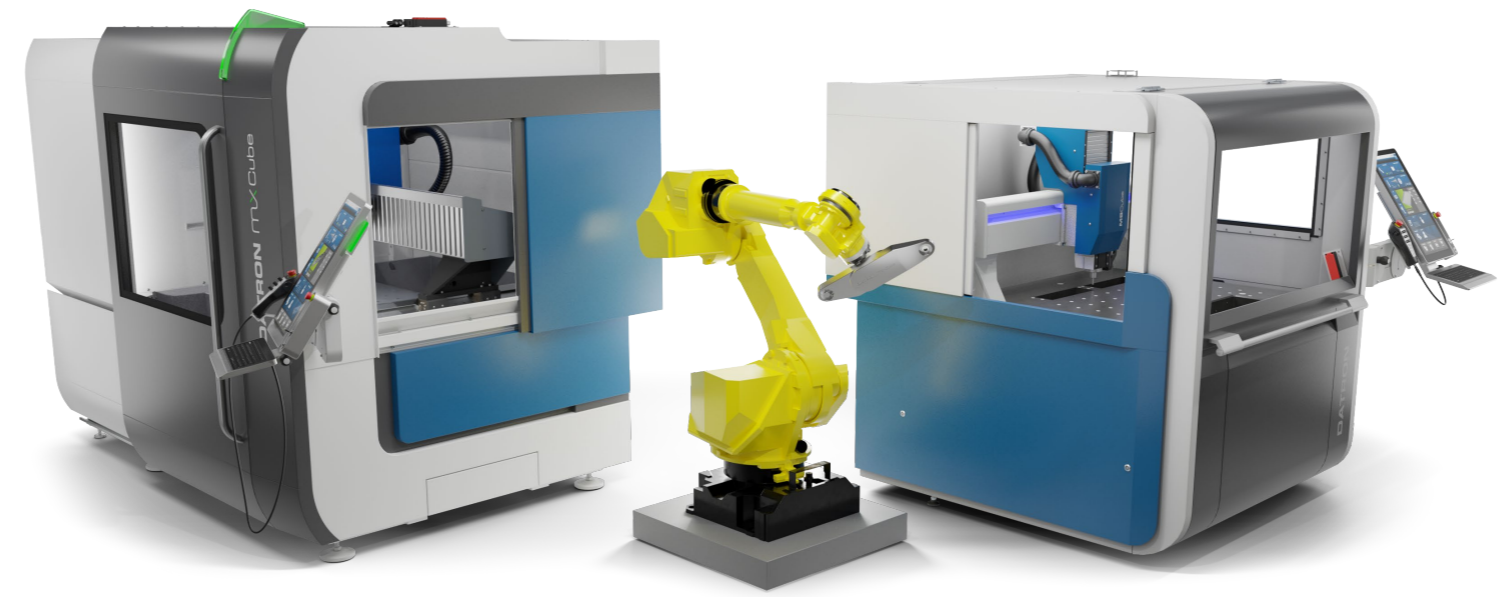
# AUTOMATION PORTFOLIO



Interface for additional automation hardware (extended programming functions in DATRON next)



- Legend**
- DATRON automatic doors
  - DATRON next software options
  - DATRON accessories for automation solutions
  - DATRON safety module
  - External hardware



**DATRON automatic doors**  
The automatically actuated front and side doors enable fast loading and unloading of the machine by external automation connections.

**Automatic side doors<sup>3</sup>**

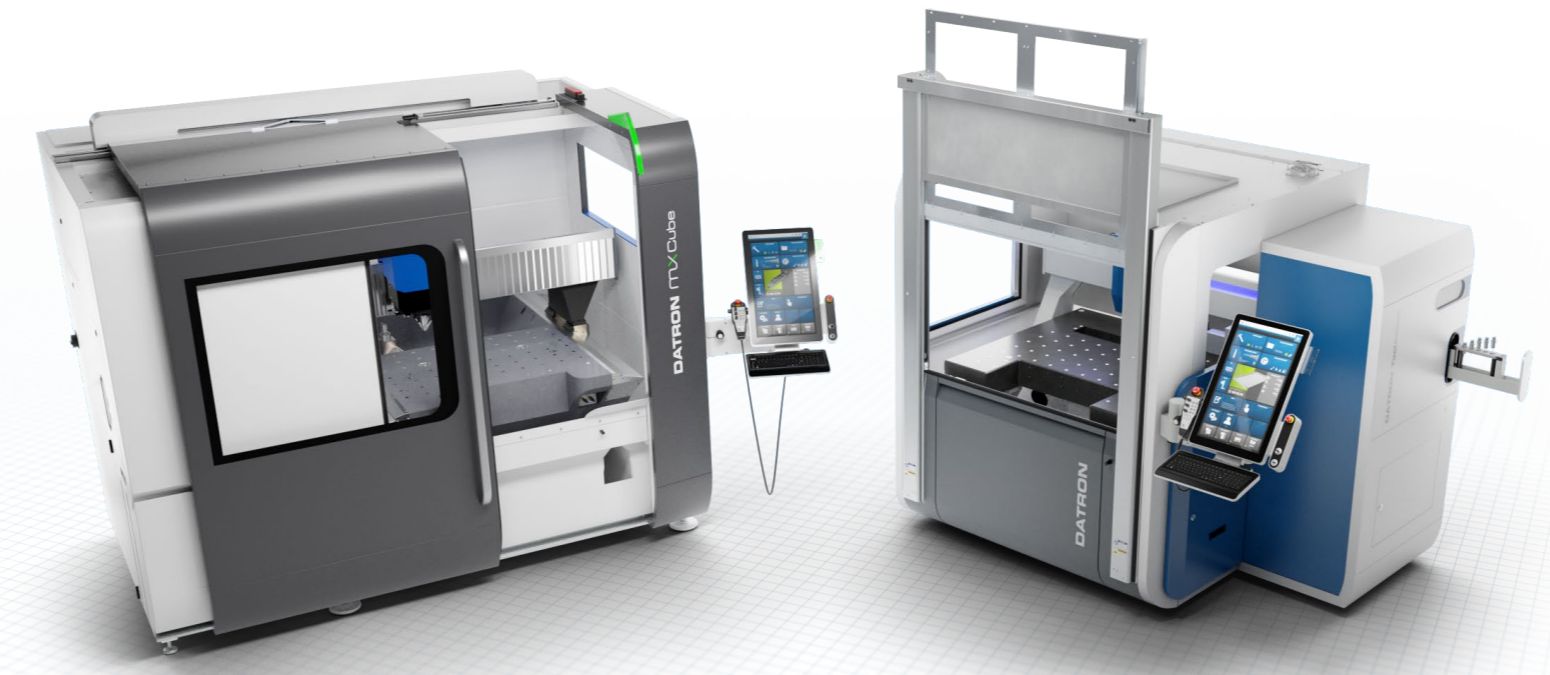
	Opening width	Opening height	Opening time
M8Cube	720 mm	738 mm	approx. 1.5 s
MLCube	1020 mm	738 mm	approx. 1.5 s
MXCube	724 mm	768 mm	approx. 2.5 s

<sup>3</sup>Side doors suitable for automatic loading only

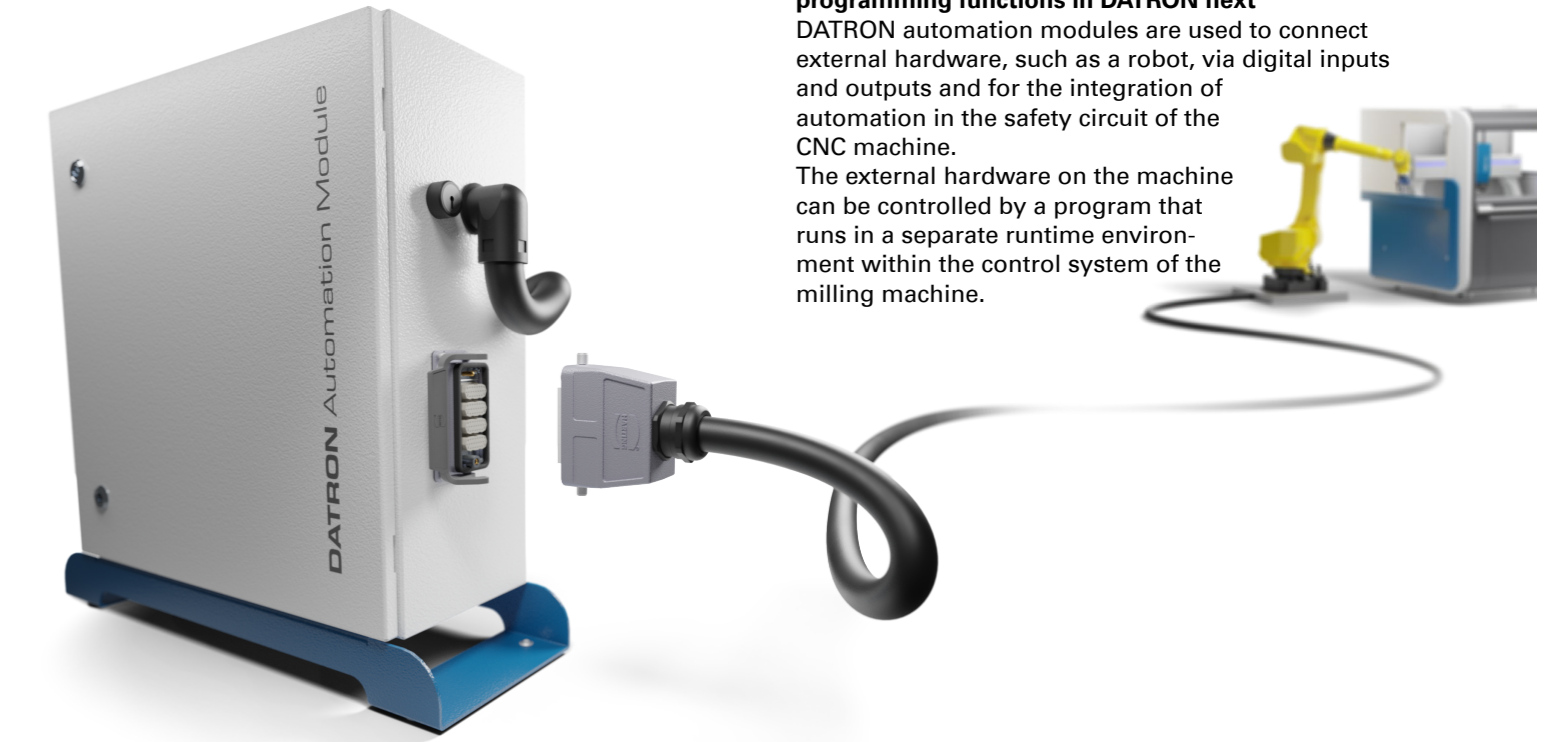
**Automatic front doors<sup>4</sup>**

	Opening width	Opening height	Opening time
M8Cube	1,185 mm	967 mm	approx. 3 s
MLCube	1,865 mm	967 mm	approx. 3 s
MXCube	1,126 mm	open upwards	approx. 7 s

<sup>4</sup>Front doors suitable for manual and automatic loading



**Digital I/O module with extended programming functions in DATRON next**  
The digital I/O module installed in the machine control cabinet is used for connection of external hardware in the interior of the machine, such as automatic clamping elements.



**DATRON automation modules with extended programming functions in DATRON next**  
DATRON automation modules are used to connect external hardware, such as a robot, via digital inputs and outputs and for the integration of automation in the safety circuit of the CNC machine. The external hardware on the machine can be controlled by a program that runs in a separate runtime environment within the control system of the milling machine.

**DATRON next software options for automation solutions**  
DATRON next REST API

**Basic variant**  
Enables access to operating data of the machine.

**Automation variant**  
Enables programs to be executed, paused or aborted and also reading and writing of user-defined variables by third-party software.

