

FAQ – Digital Experience Event: DATRON next



Is DATRON next compatible with DATRON neo?

Sure, DATRON neo has always been running on the DATRON next control. All software options that were shown are also available for DATRON neo.

Does the app run only over an intranet or independent from the current network?

For security reasons, DATRON Live and its apps are only accessible within the same network that the machine is logged in to. However, a VPN server connection provides a full worldwide remote access.

Can standard G-Code also be used in DATRON next?

DATRON next's basis is the conventional "simpl" programming language. SIMPL provides a lot of technical information besides the tool paths. However, G-Code/ISO can be imported, read and even combined with SIMPL code lines.

Is a special software required to read data through the DATRON Live API?

Once the software option is enabled, code lines (e.g. C++) together with machine data can be exported and used in external applications, for instance the current machine status or tool life data.

We use Siemens NX as CAM system, do you have any experiences with using it in combination with DATRON next (e.g. post-pro etc.)?

Some of our customers already use NX successfully with our machines. If a post processor had to be created or modified, we would provide all necessary data for the post-pro developer.

Can the data be accessed by an MES system?

The data you take from the API can normally be transferred to any external program as the code line syntax is regular programming language.

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Where can I get some information in regards to parametric programming?

Under the "Samples" folder you can find various examples of this kind of programming

Can old DATRON machines be upgraded?

To facilitate that, an exchange of several components is necessary. The machine also needs to be not older than Edition 2017. Please contact the service, which will check if the respective machine is suitable: Service Hotline: +49 (0)6151-1419 - 999, E-Mail: service@datron.de

Does the software save the rotation?

Yes, other than on our previous control software, rotation, scaling and mirroring are saved with each origin.

What kind of additional functionalities can be expected for 2021?

New functions under DATRON next Software Release 2.14:

- New editor functions
- PDF Viewer
- Hand-drawn measuring cycles can now be imported as code lines
- New command to have a programmed machine shutdown (i.e. at the end of a program)
- New feature under DATRON Live: Remote App to execute macros or programs by remote

Currently being developed:

- Vision System

Is it possible to display all kinds of tools currently in simulation?

Currently tools with angles on the flute (e.g. chamfer tools, threadmills) cannot be simulated.

Is it possible to have several park positions?

The actual park position is unique. If you need different spots to go to and unlock the door, you could set up library functions that contain these macros.

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Are there any plans to offer keyboard shortcuts just like with the V9 or HSCpro software? How about the teach-in feature?

Instead of teaching (and executing) one command after another, direct programming under DATRON next works with the same buttons in the editor as they appear in manual mode. With the new auto-completion, direct coding has become even faster and easier.

The following link will take you directly to our Digital Showroom for the complete recording: Digital Experience - DATRON next

<https://experience.datron.de/en/datron-live-events/>

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