MTP Toolbox generates CODESYS and MTP files

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The MTP Toolbox in the TURCK Automation Suite (TAS) generates the application structure and MTP file for easy engineering of modular process systems

Mülheim, November 12, 2026 – As a new tool in the TURCK Automation Suite (TAS), the TAS MTP Toolbox supports the engineering of process modules according to the Module Type Package (MTP) standard in accordance with VDI/VDE/NAMUR 2658. In the MTP Process Definer, process engineers without programming knowledge define processes, variables, units, and limit values. From this, the toolbox automatically generates the application structure for the controller. Thanks to the GMP-compliant development of the TAS MTP Toolbox, the effort required for documentation, testing, and validation is significantly reduced for users.

Programmers import the data from the Process Definer into CODESYS and create the program and visualization using the TAS MTP Library. Its function blocks cover all functions defined in the MTP standard. In addition, the MTP Toolbox generates the complete state machine, so that the user only needs to program the code for the respective process section. [[KJ2.1][SD2.2][KJ2.3] After exporting from CODESYS, the MTP File Definer automatically generates the MTP file. All data remains traceable and verifiable throughout the process. Changes can be made at any point in the workflow.

The Toolbox supports all CODESYS-programmable devices from TURCK, such as the TX800 HMI series, the modular BL20-PG controllers, and the IP67 TBEN-PLC. Typical applications include pharmaceutical and chemical plants, pilot and laboratory facilities, and skid-based automation. Once created, programs and MTP files can be reused with minimal adjustments. This shortens time-to-market and facilitates the transition from the lab to production.



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TAS MTP Toolbox: This extension of the TURCK Automation Suite (TAS) generates the basic framework of a PLC program, including the MTP file, from the process definition

FURTHER INFORMATION
https://www.turck.com/de/en/spotlight/product-news/mtp-toolbox-generates-codesys-and-mtp-files

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