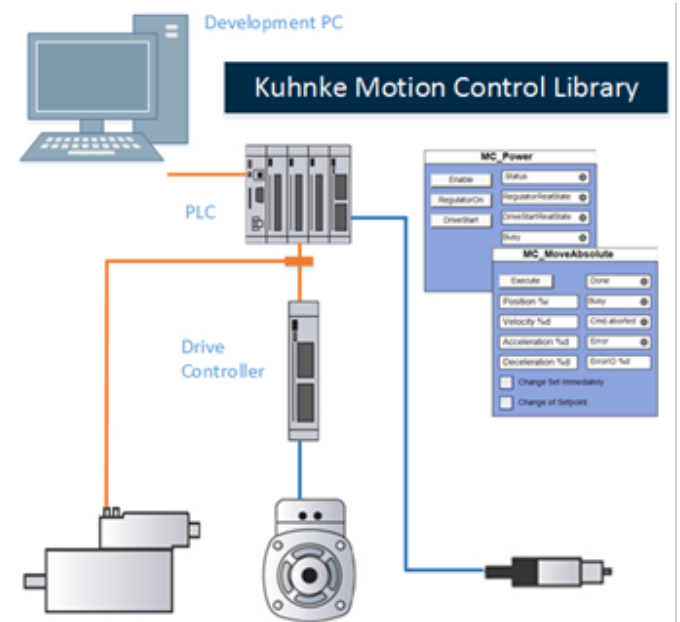## Software Engineering Tools | Control Technology

Motion Control Library
Software tool

Kendrion offers for its CODESYS-based controllers a library with blocks for motion control functions according to PLCopen for various drive controllers.

The Kuhnke Motion Control library provides a wide range of function blocks for parameterization, positioning and diagnosis of the drive.

The blocks are simple and intuitive to use and support in all phases of the workflow, e.g. during programming, commissioning, diagnostics and maintenance.
The motion task in the control system can thus be programmed simply, quickly and thus economically. A drive with only a few lines of code is put into operation via the corresponding visualization templates.

Features
- Positioning mode (absolute / relative)
- Speed mode
- Torque mode
- Homing methods
- Parameter handling
- Fault diagnostics

Technical data	Motion Control Library
Type	CODESYS library with functionblocks for motion control according to PLCopen
Function	CODESYS Library for motion control functions according to PLCopen
Operating system	Available for CODESYS-based controls from Kendrion
Presentation	CODESYS Library for integration into the project via the Library Repository
Built-in functions	Function blocks for the parameterization, positioning and diagnosis of the drive, Functional modules for additional functions, e.g. diagnosis and stop, Visualization template for easy and fast commissioning
Applications	Positioning, pick & place application, format adjustment Speed control, belt drives
Compatible to:	Kendrion Kuhnke Drive controllers Communication via EtherCAT

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