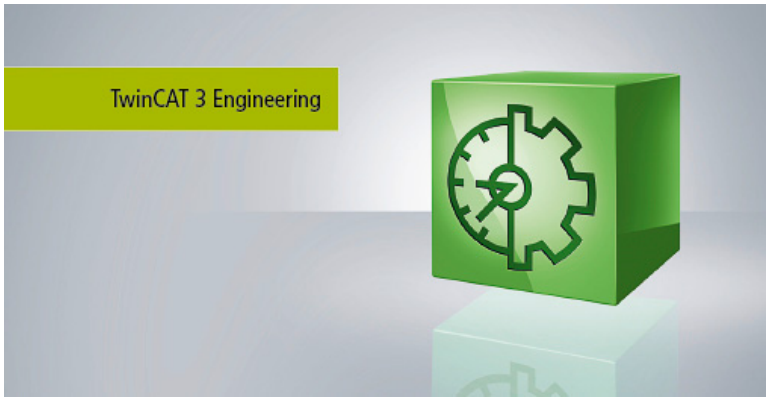
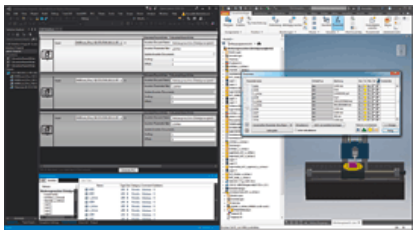


TE1130 | TC3 CAD Simulation Interface

The TC3 CAD Simulation Interface is a user-friendly tool that can be used to configure a link between TwinCAT and a 3D CAD system. The aim of this connection is a software-in-the-loop simulation (SiL) of the intended sequence on a machine or system to support virtual commissioning.

The 3D simulation of machine and system components is a key element in the implementation of virtual commissioning. In the simulation, the movements and interactions of all individual installed components are represented in combination, so that collisions as well as critical system states can be determined in advance. In addition, simulation can be used to train operators and maintenance personnel in advance for regular operation and to define troubleshooting instructions based on simulated critical machine states. Another typical application would be presales training courses on machines or machine components for sales personnel using 3D simulations.

The TC3 CAD Simulation interface facilitates the implementation of a 3D simulation, in that it uses the design data of the CAD tool and establishes links to the corresponding automation data. As usual, convenient drag-and-drop functions can be used for link configuration. The parameterisation can be extended to map complex relationships if required. This means that software-in-the-loop simulation of machines, systems or installed components is easily and conveniently possible, even in the event of system expansions.



Technical data	TE1130
Required	TC1000
Supported CAD systems	Autodesk® Inventor®, others in preparation
Target system	Windows 7/8/10

Ordering information	
TE1130	TC3 CAD Simulation Interface

Product announcement	estimated market release 4th quarter 2019