

Online-Training - SINUMERIK ONE upgrade (NC-ONE-UP)

Short Description

Based on your good know-how on the SINUMERIK Solution Line, this online course will provide the knowledge for the project planning and commissioning of SINUMERIK ONE, as well as the knowledge to create and test different plant configurations.

[Also available as face-to-face training](#)

Objectives

Based on your good know-how on the SINUMERIK Solution Line, this online course provides you with the knowledge for the project planning and commissioning of the SINUMERIK ONE as digital twin, as well as the knowledge to create and test different system configurations. In practical exercises you train commissioning and service on a virtual training device and is supplemented by the demonstration what still needs to be done on real NC.

After the course ends, you will master the commissioning of the SINUMERIK ONE control system with a SINAMICS S120 drive. By knowing the various functions of the controller, you are able to optimally adapt the control to the machine and thus maximize the productivity of your machine.

Target Group

Commissioning engineers
Engineering personnel
Service personnel

Content

Overview and components of SINUMERIK ONE
Overview of SINUMERIK ONE functionality
Data backup of the SSD/SD, recommissioning, SW upgrade
Commissioning of the digital twin with TIA portal and CreateMyVirtualMachine
Adaptation of the control functions to the machine with machine data and seams signals
Machine kinematics and collision monitoring
Demonstration of Transfer of data to the real machine
Demonstration of Drive commissioning and axle assignment
Practical commissioning exercises on the PC (digital twin) as a virtual training device

Prerequisites

- Basic knowledge of the TIA portal
- Good knowledge of the SINUMERIK 840DSL according to the course NC-84SL-SIP
- [Technical requirements](#)

Note

none

Type

Online-Training

Duration

4 days

Language

en