SIEMENS

SINUMERIK ONE Inbetriebnahme (NC-ONE-SIP)

Objectives

This course will give you knowledge for the configuration and commissioning of the SINUMERIK ONE, as well as the knowledge to create and test different plant configurations.
In practical exercises you train commissioning and service on training equipment.
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 controller 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 as well as the IPC, 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 PLC-Interface signals
Machine kinematics and collision monitoring
Transfer of data to the real machine
Drive configuration and axle assignment
Basics of Optimization
PLC basic program and PLC-Interfacesignals
PLC user program and user alarms
Commissioning of compensation and axle couplings
Adaptation SINUMERIK Operate
Introduction of synchronous actions
Practical commissioning exercises on the PC (digital twin) as well as on a SINUMERIK training device

Prerequisites

Knowledge according to the course NC-NCAN, knowledge of TIA-Portal

Type

Face-to-face training

Duration

10 days

Language

de