

SINUMERIK PAL-Seminar D - Roboter- und Mehrkanalprogrammierung (Online) (NC-PAL-D)

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

Online-Training

Duration

5 days

Language

de