SIEMENS

SINUMERIK ONE - Start-up and Service / SINUMERIK ONE 维修与调整 (T8411)

Objectives

This course provides knowledge for project planning and commissioning of the SINUMERIK ONE as digital twin and real, as well as the knowledge to create and test different machine 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 control to the machine and thus maximize the productivity of your machine.

Target Group

Commissioning engineers, Engineering personnel, Service personnel

Content

- System overview
- Hardware of SINUMERIK ONE
- Overview of SINUMERIK ONE functionality
- Operating
- Network and setting
- Backup of the control data
- Data backup of the SSD/SD as well as the IPC
- Commissioning PLC with TIA portal
- Commissioning digital twins with Create MyVirtual Machine
- Adaptation of the control functions to the machine with machine data and interface signals
- Kinematics chain and collision monitoring
- Transfer of data to the real machine
- Drive configuration and axes assignment
- Startup axes and spindle
- Basics of machine tool optimization
- PLC basic program and interface signals
- PLC user program and user alarms
- Tool management introduction
- Adaptation SINUMERIK Operate
- Commissioning of compensations
- Adaptions ILC and IDC
- Practical commissioning exercises on the PC (digital twin) as well as on a SINUMERIK training device

Prerequisites

Basic knowledge of SINUMERIK，basic knowledge of control and automation

Type

Face-to-face training

Duration

10 days

Language

zh

Fee

13,000 CNY

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