

## SINUMERIK 840D sl Commissioning (Face-to-face Training) (NC-84SL-COM)

### Short Description

This course teaches you how to configure the SINUMERIK 840D sl and it provides you with the knowledge required to create, test and start up special system configurations.

### Objectives

This course teaches you how to configure the SINUMERIK 840D sl and it provides you with the knowledge required to create, test and start up special system configurations.

You practice startup and service in exercises on training devices.

On completion of the course, you will have mastered startup of the SINUMERIK 840D sl control system with a SINAMICS S120. Thanks to the knowledge gained of the different functions of the control, you will be able to pinpoint and correct faults. In this way, you will contribute toward minimizing standstill times and maximizing the productivity of your machine.

NC-NCAN course participants are advised to attend this course only after a period of gaining practical experience of 2 to 4 months.

### Target Group

Commissioning engineers  
Engineering personnel  
Service personnel

### Content

Overview and components of the SINUMERIK 840D sl  
Introduction to operation  
Overview of the SINUMERIK 840D sl functions  
Data backup and restart  
Analysis of the fault displays and diagnostics displays  
Machine data for the channel configuration, axis configuration and spindle configuration  
Drive configuration and fundamentals of optimization  
Adaptation of the control functions to the machine with machine data and interface signals  
Startup of compensations and axis couplings  
PLC basic program  
Structure of the user program  
NC/PLC interface structure, interface signals and user alarms  
Basics Tool management  
Settings for SINUMERIK Operate  
Introduction to synchronized actions  
Practical startup and service training on training devices

### Prerequisites

Basic knowledge according to the course NC-NCAN or NC-BASIC, knowledge of STEP 7 or TIA Portal  
Relevant education, knowledge and experience to enable him or her to analyze risks and to avoid hazards which electricity could create.

### Note

Included in the course price: Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course.

With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

### Type

Face-to-face training

### Duration

10 days

### Language

de