

## SINUMERIK 840D sl Safety Integrated Maintenance (NC-84SLSIS)

### Short Description

This course teaches you how to maintain and service a machine tool with SINUMERIK 840D solution line and Safety Integrated.

### Objectives

This course teaches you how to maintain and service a machine tool with SINUMERIK 840D solution line and Safety Integrated.

The practical exercises for troubleshooting and service on our training equipment form an important part of this course.

On completion of the course, you will have mastered efficient troubleshooting and fault correction. You will be able to respond quickly to error messages because you will know exactly what has to be done. You will also be able to check the safety-related functions following repair or module replacement. Any necessary acceptance tests can be expertly carried out.

### Target Group

Service personnel

Maintenance personnel

### Content

General information on safety technology and standards

System overview

Motion monitorings

Safe communication with PROFIsafe

Safe programmable logic (SPL)

Analysis of diagnostics and alarm displays

Procedure at startup and troubleshooting

Test stop with circuit examples

Safe brake management

Acceptance test report; actions to be taken in service

Description of the machine data and interface signals

Practical exercises on training devices

### Prerequisites

Basic knowledge according to the course NC-84SL-SK.

The participant must be an electrically skilled person.

### Note

none

### Type

Face-to-face training

### Duration

3 days

### Language

en