

## SINUMERIK 840D sl Safety Integrated Configuring and Start-up (NC-84SLSIW)

### Short Description

During this course, you will learn about configuring and commissioning the function Safety Integrated using the SINUMERIK 840D sl.

### Objectives

During this course, you will learn about configuring and commissioning the function Safety Integrated using the SINUMERIK 840D sl. Practical exercises with our test units concerning configuring, commissioning and servicing will be a major part of this training course. At the end of the course you will be extremely familiar with the function Safety Integrated using the SINUMERIK 840D sl, and be able to configure, test and commission specific installation configurations with safety functions - and all this all by yourself. This enables you to make full use of the advantages of Safety Integrated on your machine tool.

### Target Group

Commissioning engineers  
Engineering personnel  
Service personnel

### Content

General information on safety technology; new standards  
System requirements  
Description of the safe basic functions  
Procedure during startup and troubleshooting  
Description of the machine data and interface signals  
Safe Programmeable Logics  
Safe Communications with PROFIsafe  
Evaluation of diagnosis and alarm displays  
Test stop  
Sensor / actuator integration with switching examples  
Safe brake management  
Acceptance test with Sinucom NC  
Safe Communication between several NCUs  
Safety Evaluation Tool SET  
Practical exercises on Training devices

### Prerequisites

Basic knowledge according to the course NC-84SL-SIP.  
Relevant education, knowledge and experience to enable him or her to analyze risks and to avoid hazards which electricity could create.

### Note

None

### Type

Face-to-face training

### Duration

5 days

### Language

en