

SINUMERIK 840D, Safety Integrated Configuring and Start-Up (NC-84DSIW)

Objectives

In this course, you will learn how to configure and start up the Safety Integrated function with the SINUMERIK 840D power line. The practical exercises for configuring, startup and service on our training equipment form an important part of this course. On completion of the course, you will be extremely familiar with the Safety Integrated function and the SINUMERIK 840D and you will be able to autonomously configure, test and startup system configurations with safety functions. This will enable you to make optimal use of the benefits of Safety Integrated for your machine tool. These become immediately apparent in lower costs through reduced hardware requirements, faster installation and more efficient engineering.

Target Group

Commissioning engineers
Engineering personnel
Service personnel

Content

General points on safety engineering
System requirements
Description of the safe basic functions
Safe programmable logic
Sensor/actuator integration
Test stop
Safe communication with PROFIsafe
Safe brake management
Description of the machine data and interface signals
Procedure for startup and troubleshooting
Analysis of diagnostics displays and alarm displays
Circuit examples for Safety Integrated
Acceptance test report
Practical exercises for configuring, startup and service on training models with digital feed drives and main spindle drives

Prerequisites

Content:

- Knowledge of starting up a SINUMERIK 840D power line in accordance with the NC-84DSIP course is required.

Note

none

Type

Face-to-face training

Duration

5 days

Language

en