

SINUMERIK 840D, Safety Integrated Maintenance Course (NC-84DSIS)

Objectives

This course teaches you how to maintain and service a machine tool with SINUMERIK 840D power 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 points of safety engineering
System requirements
Description of the safe basic functions
Procedure at startup and troubleshooting
Description of the machine data and interface signals
Analysis of diagnostics and alarm displays
Test stop
Sensor/actuator integration
Safe programmable logic
Safe communication with PROFIsafe
Safe brake management
Acceptance test report
Circuit examples for Safety Integrated
Practical exercises for troubleshooting and service on training models with digital feed drives and main spindle drives

Prerequisites

Content:

- Knowledge of servicing and maintaining a SINUMERIK 840D power line in accordance with the NC-84D-SK course is required.

Note

none

Type

Face-to-face training

Duration

3 days

Language

en