

## SINUMERIK 840D service and start-up (NC-84DSIP)

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### Ziele

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This course teaches you how to configure the SINUMERIK 840D, and how to create, test and then start up special system configurations. You practice startup and service in exercises on special training equipment. On completion of the course, you will be able to start up the SINUMERIK 840D control system with a SIMODRIVE 611D. Knowledge of the different functions of the controller will enable you to solve problems on your machine tool expertly. In the event of a fault, you will have mastered selective troubleshooting and fault correction. When you come to apply the know-how you have gained, your machine will achieve higher productivity, and downtimes will be reduced.

### Zielgruppe

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Commissioning engineers  
Engineering personnel  
Service personnel

### Inhalte

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Overview and components of the SINUMERIK 840D  
Introduction to operation  
Overview of SINUMERIK 810D/840D functions  
Data backup and restart  
Analysis of faults and diagnostics displays  
Machine data for channel configuration, axis configuration and spindle configuration  
Drive configuration and fundamentals of optimization  
Adaptation of control functions to the machine with machine data and interface signals  
Startup of compensations, synchronous actions and coupled axes  
PLC basic program  
Structure of the user program  
NC/PLC interface structure, interface signals and user alarms  
Software upgrades  
Practical startup and service training on training models with digital feed drives and main spindle drives

### Teilnahmevoraussetzung

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Basic knowledge according to the course NC-NCAN

### Hinweise

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none

### Typ

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Präsenztraining

### Dauer

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10 Tage

### Sprache

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