

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

Objectives

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.

Target Group

Commissioning engineers
Engineering personnel
Service personnel

Content

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

Prerequisites

Basic knowledge according to the course NC-NCAN

Note

none

Type

Face-to-face training

Duration

10 days

Language

en