

SINUMERIK 840D PL Maintenance (NC-84DPL-M)

Short Description

This course is for maintenance personnel of CNC machines that utilize the SINUMERIK 840D / 810D controls, using the MMC-103 or PCU-50 Operator Interfaces. Personnel using the MMC-100.2 or HT-6 Operator Interfaces are urged to contact Siemens Customer Training prior to enrolling in this class.

Objectives

Upon completion of this course, the student shall be able to:

- Edit and store machine data.
- Back-up and restore control data to the internal hard drive.
- Back-up and restore PLC program data to the internal hard drive.
- Back-up and restore data to an external data medium.
- Diagnose problems using Siemens generated alarm displays.
- Use on screen help functions to help diagnose alarm related problems.
- Understand the hardware configuration.
- Access and utilize major operating areas of the control.

Target Group

This course is for maintenance personnel of CNC machines that utilize the SINUMERIK 840D / 810D controls, using the MMC-103 or PCU-50 Operator Interfaces. Personnel using the MMC-100.2 or HT-6 Operator Interfaces are urged to contact Siemens Customer Training prior to enrolling in this class.

Content

1. Operations
 - Overview of main operating modes
 - Overview of operator areas
 - Functions of operator and machine control panel keys
 - Navigation in the area SERVICES
 - Navigation in the area DIAGNOSIS
 - Navigation in the area START-UP
 - Specialized operating modes
 - Back-up of tool and work zero offsets using Siemens installed editors
2. Data back-up and restoration
 - Backup of control and PLC data to internal hard drive
 - Back-up of control and PLC data to external data medium
3. Diagnostic functions
 - Fault diagnosis using Siemens generated alarms
 - Fault diagnosis using LED displays of E/R module and NCU module
4. Hardware overview
 - Supply Infeed Module
 - NCU module
 - 611-D Drive Module

Prerequisites

MS Windows Expertise

Type

Face-to-face training

Duration

4.5 days

Language

en