

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

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### Présentation

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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.

### Objectifs

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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.

### Groupes cibles

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### Programme / Contenu

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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

### Prérequis

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MS Windows Expertise

### Type

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Formation en salle

### Durée

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4,5 Jours

### Langue

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en