SIEMENS

840Dsl Maintenance 1 w/ HMI Advanced (US-SN84SM1A)

Type

Instructor-led Learning

Duration and Continuing Education Units (CEU)

4 Days
2.6 CEUs

Target Group

- Maintenance

Short Description

This course is designed for electrical/electronic end-user maintenance personnel for machine tools using the new SINUMERIK 840Dsl (Solution Line) controls. The course presumes the customer is using the PCU 50.3, Windows XP-based HMI Advanced software. Personnel using the PCU 20 / HT8 / or HMI TCU (Thin Client Unit) interfaces are urged to contact Siemens Customer Training prior to enrolling in this class. Soft Prerequisite: Microsoft Windows XP Expertise.

This course emphasizes the maintenance aspects of this new version of the SINUMERIK 840D. An overview of the soft key menus of the control is provided, including the basic principles of operating the control. Demonstrations are given on how to competently manage maintenance functions, and for back-up/restore functions of the NC and PLC series start-up. The class format is a mixture of lecture and hands-on exercises. SINUMERIK 840Dsl simulators are utilized to allow the student to build proficiency in control navigation and managing different forms of data.

Objectives

- Identify the major SINAMICS S120 hardware and indicators in an 840Dsl application
- Access and utilize the major operating areas of the control
- Edit and store machine data
- Back-up and restore NC data to the internal hard drive
- Back-up and restore PLC program data to the internal hard drive
- Back-up and restore PROFIBUS drive data to the internal hard drive
- Back-up and restore NC data to an external data medium
- Back-up and restore PLC program data to an external data medium
- Back-up and restore PROFIBUS drive data to an external data medium
- Diagnose problems using SIEMENS generated alarm displays
- Use on-screen help functions to help diagnose alarm related problems

Content

- Data back-up and restoration
- Diagnostic functions
- Hardware Overview

Note

This course does NOT cover the SIMATIC S7 PLC Programming language. Students who must troubleshoot the control to the PLC User program level should attend the SIMATIC S7 TIA Programming 1 course.

Language

English