

SIEMENS

Ingenuity for life

Operation and programming

SINUMERIK 828D/840D sl training for machine tool programmers, operators and users

Level 2—programGuide for turning

General information

Length: 2 days

Location:

Siemens Industry, Inc.
390 Kent Avenue
Elk Grove Village, IL 60007

Registration:

usa.siemens.com/cnc4training

Capacity: 12 students

Cost:

There is no fee for the workshop.

Participants are responsible for their own travel and living expenses.

Daily lunch will be provided during the training.

Description/Objective Upon completion of the course, the participant will be able to create part programs in G-code using the programGuide interface, setup jobs through the jog functionality and run parts in auto mode.

Requirements Basic knowledge of operation and programming of turning machines is required. Attendance of the Level 1 ShopTurn class recommended.

Class specifics There will be a set number of workstations available for the class. If use of a personal computer is desired, it must be a Windows 7 or older operating system. We will provide a 60-day trial version of SINUTRAIN for student use.

Target group Machine tool builders and dealers, who provide support and training for the programming and operation of CNC turning machines utilizing the programGuide user interface.

Content

- Introduction to advanced functions in SINUMERIK CNC
- Introduction to advanced tool management including tool life management
- Introduction to MDI mode
- Introduction to G-code program creation, testing, modifying and saving through programGuide
- Programming with standard turning cycles
- Programming free contours using contour calculator
- Centering, drilling, thread cutting
- Programming with sub-routines
- Working with transformations
- Setup and operation of lathes with milling capabilities
- Programming of lathes with milling capabilities