

SINUMERIK CNC TRAINING

Level 2: programGuide for milling

in-person, instructor-led

Operation and programming for machine tool programmers, operators and users

Upon completion of the course, participants 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

Advanced Basic knowledge of how to operate and program milling machines is required. Previous attendance of the Level 1 ShopMill class is recommended.

Class specifics

There will be a set number of workstations available for the class. If use of your own personal computer is desired, it must be a Windows 10 operating system. We will provide a trial version of SINUTRAIN for your use.

Target group

CNC end-users, machine builders, and machine tool dealers, who provide support and training for the programming and operation of CNC milling 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 milling cycles
- Programming free contours using the contour calculator
- Centering, drilling, thread cutting
- Programming with sub-routines
- Working with transformations
- Setup and operation of 4-axis machine tools
- Programming of 4-axis applications

Course details

| | |
|--------------|---------------------------------------------------------------------------------------------------------------------------|
| Length | 3 days |
| Location | Siemens Industry, Inc., 390 Kent Avenue, Elk Grove Village, IL 60007 |
| Registration | usa.siemens.com/cnc-training |
| Capacity | 10 participants |
| Cost | There is no fee for the workshop. Participants are responsible for their own travel, living expenses and meals. |