SIEMENS

SINUMERIK Programming 2 (NC-PRO2)

Short Description

In this course you will learn how to program machine tools for complex components.

Objectives

Your tasks will include programming machine tools to manufacture complex components.
After the course, you will be able to create part programs based on workpiece drawings. You will program line-oriented using G-code and the ShopMill and ShopTurn graphical user interfaces. You will also use selected high-level language commands. You will also be able to create the user program.

Target Group

Programmers

Content

SINUMERIK system overview, configuration variants
Operating modes, operating areas, operating elements
File system, editor
Programming with DIN 66 025 and selected high-level language commands or
Programming with Shopmill/Shopturn and selected high-level language commands
Subroutine technology
Coordinate systems and FRAME concept
Tool corrections
Variables, calculation parameters and system variables
Program jumps and control structures
Macro technique
Programming with standard cycles
Data backup of programs
Safe static tilting of a rotary axis (B axis)
Main and counter spindle programming (6 sample cases)
Practical programming exercises on training devices

Prerequisites

It is recommended that the NC-SINOP-B course be taken prior to this course.

Note

This course is suitable for users of the Siemens SINUMERIK ONE, SINUMERIK 828 and SINUMERIK 840D sl control systems. The user interface is the same in each case.
This course is the successor to the NC-SINOP-P course. The content is comparable and updated.
Dates will be offered from 01.01.2025. For dates in 2024, please see NC-SINOP-P.

Type

Face-to-face training

Duration

5 days

Language

en