SIEMENS

SINUMERIK Programming with SINUMERIK Operate (NC-SINOP-P)

Short Description

In this course you will learn how to program part programs with DIN 66025, ShopMill and ShopTurn with selected high-level language commands as well as how to create user programs.

Objectives

In this course you will learn how to program part programs with DIN 66025, ShopMill and ShopTurn with selected high-level language commands as well as how to create user programs.
The practical programming exercises on our training devices are an important part of the course. This allows the knowledge to be conveyed even more clearly and the learning success can be increased. The exercises can alternatively be carried out in DIN 66025 and/or ShopMill or ShopTurn.
After taking part in the course, you will be able to independently create part programs and transfer workpiece drawings into a program.
Your acquired know-how will significantly reduce the time required for programming.

Target Group

CNC programmer
Machine operator
Production preparation

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.

Type

Face-to-face training

Duration

5 days

Language

en