



CNC programming training for operators/ set up engineers, Sinumerik 840D_ SPECHT 600

- Target group:** The course is designed for programmers.
- Participants:** maximum 5 participants
- Requirements:** Participants are expected to possess knowledge of programming NC machine tools as well as experience of how to operate the machine.
Course participants are expected to be fully trained in the use of metal processing techniques, possess SIEMENS Basic programming course 840D, and have practical experience of working with tooling machines.
- Course objectives:** To enable the course participants to work independently whilst editing, loading and testing programs and cycles used in NC machining of tools on the machine type specified above.
To learn how to use the program code and the machine functions which can be called up in the machining program.
- Course duration:** The standard course lasts 2 working days.
Shorter / longer courses must be arranged in advance.
- Course contents:** Safety
- Fundamental safety regulations
 - Safety regulations for maintenance personnel
 - Emergency procedures / Emergency stop location plan
 - EMERGENCY STOP
 - Special risks
- Description of Machine
- General view / illustration of machine
 - Axle labels
 - Axles direction of rotation
 - Machine zero positions
 - Traverse paths



Machining sequence

- Component drawing
- Machining sequence
- Work schedule
- Conversion to programming language
- Summarise program

Program design

- Program structure
- Program name
- Control path
- Comments
- Main program – Program manager
- Parts programs
- Subprograms