

## Manutenzione SINUMERIK 840D sl. Transizione 5.0 con attestazione finale superamento esame. (IT5P-NC-84SL-SK)

### Short Description

This course teaches you how to maintain and service a SINUMERIK 840D sl with operator interface SINUMERIK Operate and HMI advanced. On completion of the course, you will have the knowledge and abilities necessary for handling ongoing service and maintenance work on machine tools with SINUMERIK 840D sl and SINAMICS S120, and you will also be able to perform second startups. You will be able to pinpoint and correct any faults. In this way, you will contribute toward minimizing standstill times and boosting productivity. The course includes a final examination with a certificate of achievement

### Objectives

After attending the course, you can:

- Work on a SINUMERIK 840D sl for service and restoration activities
- Use diagnostics
- Perform a proper restart
- Manage the main machine data

### Target Group

Commissioning engineers  
Maintenance personnel

### Content

- Description and use of the operating panel
- Hardware configuration of the SINUMERIK 840D sl NC
- Connections to the SINAMICS S120 drive system
- Description of the various measurement systems
- Concept and description of the space and speed loop
- Alarms and messages
- I / O diagnosis
- Setting data
- Levels of protection
- Services (data backup)
- Total cancellation and restart
- Main NC machine data
- Structure of the PLC-CN interface with particular regard to motion and program block signals
- Analysis of how to use the FC10
- Analysis of the drives configuration
- Calibration optimization of digital drives

The theoretical knowledge will be deepened with numerous practical exercises.

### Prerequisites

840DSL-APT course or equivalent basic knowledge of numeric control systems.

### Note

IMPLEMENTING DECREE AUGUST 2024 :  
Transition 5.0: Trailed Expenditure  
Energy transition A .5

### Type

Face-to-face training

### Duration

3 days

### Language

it