

## SINUMERIK Basics (NC-BASIC-P)

---

### Kort beskrivelse

---

In this course, you will learn the fundamentals of CNC technology and SINUMERIK. Practical exercises on our training equipment are an important part of the training.

### Målsætninger

---

In this course, you will learn the fundamentals of CNC technology and SINUMERIK. Practical exercises on our training equipment are an important part of the training.

After completing the course, you will understand the structure and operating principles of a machine tool with CNC control and drives. You will have a solid foundation for successfully applying your knowledge in operation. With a fundamental understanding of the system, you will be able to describe problems on your machine tool in a differentiated way and solve them together with your partners.

The content covered in this course is a prerequisite for attending our advanced SINUMERIK service and commissioning courses.

Participants are recommended to attend the follow-up courses only after 2 to 4 months.

### Målgruppe

---

Commissioning engineers  
Engineering personnel  
Service personnel  
Maintenance personnel  
Sales personnel for SINUMERIK systems

### Indhold

---

Structure and tasks of a CNC control  
Components of a machine tool  
Operating modes and operator functions  
Fundamentals of part programming  
Meaning of compensations, parameters, setting data and machine data  
Fundamentals of data backup  
Introduction to drive and control technology  
Methods for the recording of internal signals  
VDI interface and interface signals  
Practical exercises on training models with digital drives

### Deltagerkrav

---

Basic knowledge of PLC programming.

### Bemærk

---

Included in the course price: Free access to the digital learning platform [SITRAIN access](#) – starting one week before the start of the course until two weeks after the end of the course.

With the Learning Membership, you can deepen or repeat the content of this Learning Event as well as continue your education on other interesting topics.

### Type

---

Face-to-face-uddannelse

### Varighed

---

5 dage

### Sprog

---

en