

Basics of NC and Drives (reduced version for UK) (NC-NCAN)

Short Description

This course teaches the fundamentals of CNC and drives engineering. It is a reduced version of an originally ten day course. Practical exercises on our training equipment are an important part of the course. On completion of the course, you will be familiar with the design and principle of operation of a machine tool with CNC control. You will have laid sound foundations for successful use of your knowledge on your machines. A fundamental understanding of the whole system will enable you to precisely describe problems on your machine tool and solve them together with your partners. Application of the knowledge gained will boost your machine's productivity and reduce standstill times. Attendance on this course is a prerequisite for attending our advanced SINUMERIK service and commissioning courses. We recommend a period of 2 to 4 months to gain practical experience before attending the advanced courses.

Target Group

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

Content

Structure and tasks of a CNC control
Components of a machine tool
Operating modes and operator functions
Fundamentals of parts programming
Meaning of parameters, settings and machine data
Fundamentals of data backup
Overview of the SINAMICS drive system used in a CNC
PLC interface and selected interface signals
Practical exercises on training models with digital drives

Prerequisites

Basic knowledge of automation.

Type

Face-to-face training

Duration

5 days

Language

en

Fee

3,130 GBP