

# Course description:

**Course name:** Operator course for CNC lathes of the R200/R300 series with Siemens Powerline

---

**Course no.:** 200

---

**Participants:** Operators

---

## Training goal:

The course participant will be able to:

- Operate the machine and control in setup mode, automatic mode and in case of interruptions
  - Use tool handling and programming technology
- 

## Course content:

- Function of the individual control elements of the user interface
  - Basic knowledge in the individual operating modes (automatic mode, setup mode, jog, MDI).
    - Program corrections (New, Edit, Change)
    - Tool geometry
    - Zero offsets
    - Data transfer
    - Error description
  - Teaching basic knowledge of the individual equipment options (depending on the ordered scope).
    - Motorized milling spindle 1XYB and tool strips
    - Motorized milling spindle 2 YB and tool strips
    - Tool changer with chain magazine
    - Counter spindle
    - C axis
    - Gantry-type removal unit
    - Bar loading magazine
    - Handling units
    - Cutting edge breakage
    - Tool gauging/workpiece measurement/tool management
    - Job control
    - External measuring
    - Freely programmable interface
  - Practical example: Setting up an acceptance workpiece
  - Independent operation of the machine.
- 

## Participation requirements:

- Knowledge of cutting technology is an advantage.
  - Recommendation: Basics of CNC programming are beneficial.
  - **Safety shoes must be brought along and worn during the entire course.**
- 

## Course duration:

4.5 days - from Monday (9:00 am) to Friday (12:00 pm)

---

## Course location:

**INDEX-Werke GmbH & Co. KG**  
**Hahn & Tessky**

Esslingen Plant  
Plochingerstr. 92  
73730 Esslingen, Germany

Email: [schulung@index-werke.de](mailto:schulung@index-werke.de)  
Phone +49-7153-502-525