

# Course description:

**Course name:** Programming course for CNC lathes of the TNL20 series

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**Course no.:** 2.7

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**Participants:** Programmers and operators

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## Training goal:

- Learning the TX8i-s V8 specific programming technique
- Creating complete programs with the most common machining applications.

The course qualifies for participation in the operator course 2.71

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## Course content:

- Basic programming, technology
  - Zero offsets of all systems on main/counter spindle
  - Using the geometry processor
  - Dialog functions, init, gripping, cutting off
  - Windows functions: Delete, Copy, Cut, Find/Replace
  - Synchro
  - Difference between dialog and NC program
  - Cycle programming for roughing, drilling, threading
  - Subroutine technique/macro call
  - Creating a work plan
  - Creating a part program for a simple turned part with simple milling using live tools
  - Input and simulation of a part program on the PC
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## Participation requirements:

- Basic knowledge of CNC technology
  - PC basic knowledge and experience with Traub CNC machines are recommended
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## Course duration:

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

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## Course location:

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

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