

Course description:

Course name: **Programming basic course TX8i control**
for CNC lathes of the TNA/TNC/TNK series

Course no.: **1.0**

Participants: **Programmers and operators**

Training goal:

- Learning the TX8i-specific programming technique
- Use of the basic control functions

This course qualifies for participation in the Operator Course 1.5

Course content:

- Presentation of machine and control
 - Working area with zero and reference point, NC axes
 - Workpiece zero point, tool change point
 - Basic programming, technology
 - Geometry lines with unknown intersections
 - Using the geometry processor
 - Zero offset, initialization
 - Windows functions: Delete, Copy, Cut
 - Find/Replace
 - Program structuring
 - Difference between dialog and NC program
 - Cycle programming for roughing, drilling, threading, cutting edge radius compensation
 - Subroutine technique/macro call
 - Creating a part program for a turned part with simple
 - C axis machining using live tools
 - Input and simulation of a part program on the PC
 - 3D workpiece view
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Participation requirements:

- Basic knowledge of CNC technology
 - PC basic knowledge
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Course duration:

2.5 days - Monday (9:00 am) to Wednesday (12:00 pm)

Course location:

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