Course description:

INDEX TRAUB

Course name:	**Programming course TX8i-s control** **for CNC lathes of the TNX series with milling spindle**

Course no.:	**4.5**

Participants:	**Programmers and operators**

Training goal:

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

The course qualifies for participation in the operator course 4.10/4.20

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
- Using the geometry processor
- Dialog functions, init, gripping, cutting off
- Windows functions: Delete, Copy, Cut, Find/Replace
- Program structuring
- Difference between dialog and NC program
- Cycle programming for roughing, drilling, threading
- Concurrent work with multiple subsystems
- Coupling and crossing of NC axes
- Creating a work plan
- Creating a part program for a turned part with elevated difficulty level
- Milling with live tools
- Input and simulation of a part program on the PC
- 3D workpiece view

Participation requirements:

- Basic knowledge of CNC technology
- PC basic knowledge and experience with Traub CNC machines are recommended

Course duration:

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

Course location:

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