

Course description:

Course name: Servicing and maintenance course for CNC lathes of the TNL 18/TNL32 series with TX8i-s control

Course no.: 5.6

Participants: Machine operators, service, repair and maintenance specialists

Training goal:

Troubleshooting and maintenance of mechanical and electrical assemblies of CNC lathes

Course content:

- Machine layout and assemblies
 - Names of spindles, axes, tool turrets and hydraulic components
 - Changeover from sliding to fixed headstock operation
 - Control axes and spindle components
 - Handling on the screen, operating modes
 - Checking and adjusting the backlash compensation of linear axes
 - Checking and adjusting geometry and reference points
 - Turret indexing and live tools
 - Diagnosing inputs and outputs of the PLC control
 - Performing parameter backup
 - Hydraulic diagram, pneumatic diagram, central lubrication, fluid diagram
 - Wiring diagram and spare parts catalog
 - Troubleshooting
 - Maintenance instructions
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Participation requirements:

- General knowledge of machine tools
 - Basic knowledge: Mechanics, electrics and electronics
 - **Safety shoes must be brought along and worn during the entire course.**
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Course duration:

4 days - from Monday (9:00 am) to Thursday (4:00 pm)

Course location:

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