Course description:



Course name: Servicing and maintenance course for CNC lathes of the TNL20 series with TX8i-s V8

control

Course no.: 5.9

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
- Diagnosing Profibus
- · Performing parameter backup
- · Hydraulic diagram, pneumatic diagram, central lubrication, fluid diagram
- Wiring diagram and spare parts catalog
- Troubleshooting
- · Maintenance instructions

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.

Course duration:

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

Course location:

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