

Training SPECHT® - 600 (SIEMENS 840D sl)

Mechanical Maintenance– M3 (Maintenance Course TPM)

Target group:	The Training is provided for mechanics of SPECHT machine centers
Number of Participants:	Maximum 5 participants.
Training Period:	The nominal training period of course M3 is 1 day (7 hours). Deviations require prior consultation.

Prerequisites:

- Completed vocational training as an industrial mechanic
- Additional training as a technician/ engineer
- Knowledge of measuring instruments
- Experience in the detection of wear marks

Training target:

- Safety regulations for maintenance personnel
- Maintenance according to TPM plan for 2-spindled machining centers
- Listing of spare and wear parts
- Catalog of auxiliary tools for maintenance and repair

Training contents:

- Safety instructions for maintenance personnel
- Shut-off points for electrical, hydraulic and pneumatic systems
- Carry out maintenance work using the TPM plans:
- G01: weekly cleaning & checking
- G02: 18 monthly: visual inspections
- M01: Replace the safety glass panes
- M02: Change the polycarbonate window (magazine and tool loading door)
- M03: Maintenance on spindle collet
- M04: Maintenance of rotary feedthrough and quick valve (mq)
- M05: Maintenance at magazine HSK 63/ magazine HSK 100
- M06: (opt.) Maintenance at pallet changer
- M06: (opt.) maintenance at swivel changer
- M07: (opt.) Maintenance at chip conveyor / pump-back station
- F01: Replacement of hydraulic oil
- F02: Checking of hydraulik accumulator



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- F03: Maintenance at cooling unit (spindle, motors)
- F04: Checking of MQL / Coolant
- F05: Replacement of pneumatic filter cartridge
- F06: Checking hydraulic hoses
- F07: Change of various filters/ cartridges
- F08: Refill lubricants