



CORCOM Module Training for Motor Spindle GEN-4 Specializing Mechanics, Repair Training of the Main spindle, A-Axis and B-Axis

Target Group: The training is designed for designated mechanical maintenance and repair personnel.

Course Size Maximum **5 Participants**

Prerequisite: A relevant professional experience in the field of Maintenance of tooling machine and ancillary assemblies is provided. Also basic knowledge about maintenance and repair of individual assemblies.

Training Target: The enabled participants are trained to diagnose faults and repair the CORCOM motor spindle.
Structure and function of the motor spindle are explained.
Repair analysis, disassembly, assembly and test bench
Activities are mediated.

Training Duration: The effective duration of our training is 5 working days, deviations from this requires prior consultation.

Training Content: Training Overview

- Structure of the training and explanation of the individual training blocks
- Sign-In sheet of participants and preparation Training evaluation.
- Capture the expectations of all training participants.

Motor Spindle

- Explanation of the documentation and paper work procedure for repair

Practice in field of Motor Spindle assembly

- Incoming inspection; disassembly of the spindle, damage analysis
- Parts preparation and determination of new parts.
- Spindle supply for assembly or new construction

- Spindle assembly, demonstration Mechanical assembly
- For training participants Practical exercise of spindle assembly
- Setting up the spindle, observing the tolerances
- Setting up the spindle subassemblies.
 - Tool system
 - Collet and ejector
 - Sensor tool tension
 - Rotating union, MMS lance and fast valve
 - spindle cooling

Practice on the test bench

- Explanation of the test bench working station
- Practical exercises for spindle testing

A-axis / B-axis:

Structure and mode of operation

Rotary distributor installation and repair

Table clamping

Table drive / spindle compensation

Installation of measuring system / synchronization

Setting the reference point of the A/ B axis

Practice in rotary axis assembly A/B