



E X A C T L Y

AGENDA

Training MarWin level 2 for MarShaft Scope plus, MarForm MMQ and MarSurf XC 20 for applications and service personnel of European subsidiaries and representatives and customers

Dates 2017: CW 5, CW 11, CW 14, CW 20, CW 25, CW 33, CW 38, CW 43; CW 48

Important hints:

- Seminar fee and language (German / English) on request!
- Please find detailed information about contents of the single trainings on the following page.

Location of training: Application center at Mahr, Goettingen/ Germany

First day of training (Monday): MarShaft MarWin Scope plus Level 2

Time	Activity
09:00 h	MarShaft MarWin Level 2 - EasyShaft
12:45 h	Lunch break
13:30 h	MarShaft MarWin Level 2 - EasyShaft

Second day of training (Tuesday): MarForm MarWin MMQ/MFU Level 2

Time	Activity
09:00 h	MarForm MarWin Level 2 - AdvancedForm
12:45 h	Lunch break
13:30 h	MarForm MarWin Level 2 – AdvancedForm

Third day of training (Wednesday): MarForm MarWin MMQ/MFU Level 2

Time	Activity
09:00 h	MarForm MarWin Level 2 - AdvancedForm
12:45 h	Lunch break
13:30 h	MarForm MarWin Level 2 – AdvancedForm

Fourth day of training (Thursday): MarSurf MarWin XC20 Level 2

Time	Activity
09:00 h	Extended basics of contour measurement
11:30 h	Calibrating twin stylus probe arm units
12:45 h	Lunch break
13:30 h	Contour Measuring with a twin stylus

Fifth day of training (Friday): MarSurf MarWin XC20 Level 2

Time	Activity
09:00 h	MarSurf MarWin Level 2 – XC20
12:45 h	Lunch break
13:30 h	MarSurf MarWin Level 2 – XC20
15:00 h	End of training



E X A C T L Y

Contents of training MarShaft MarWin SCOPE plus Level 2

- Basics
 - Structure and components of the measuring station
 - Structure of the software
 - Switching on and off of the measuring station
- Calibration process
- Create, modify and run measuring programs
 - Preparation
 - Scan work piece contour
 - Define measuring tasks without macro functions
 - Save measuring program
 - Load and run measuring programs
 - Modify measuring programs
- Options and special topics
 - Export of measuring results
 - Thread measurement
 - Script before and after measurement

Contents of training MarForm MarWin MMQ Level 2

- Calibration of machine coordinate system
- Calibration of probes
- Measurement of form- and location features with AdvancedForm
 - Measurement and evaluation of form features
 - Creation of references
 - Measurement and evaluation of location features
 - Working with sequences

Contents of training MarSurf MarWin XC20 Level 2

- Creation and calibration of twin probes
 - Creation of twin probes
 - Calibration of twin probes
- Dimensional checks
 - Fix the training work piece
 - Measuring task A: Radius, angle and distance
 - Measuring task B: Diameter
- Measuring task C: Thread
 - Measurement of thread dimensions
- Measurement of form- and location features
 - Measuring task D: Straightness, parallelism
 - Measuring task E: Symmetry