

# MFU – MSA / calibration: Basics and norms

## Seminar description

The seminar teaches the fundamentals of MFU/MSA including calculation examples and the distinction to calibration.

## Seminar content

- References and sources
- Influences on quality = process management
- Influences on processes
- Process capability investigation and machine capability investigation
- Intro: Process capability analysis
- Intro: Machine capability study
- Mathematics: the standard deviation
- Standard deviation and variance with Excel
- Sample set
- Machine capability study
- Guideline "Capability verification of measuring systems"
- VDI/VDE 2645 sheet 2
- VDI/VDE 2647
- MSA procedure
- Accreditation as a test laboratory
- Facts and take-away
- Glossary

## Goal

The course participant knows the basics of a MFU/MSA, can perform simple calculations with Excel (standard deviation, variance, etc.) with Excel and knows the difference calibration vs testing.

## Target group

Performers of Machine capability study – Measuring System Analysis, project engineers

## Prerequisite for participation

Basic knowledge of measurement technology

## Duration

1 day

## Seminar number

9966B-MFU-EN

This seminar can also be held at your site on request on your premises. Date and price on request.

## Register at:

[training.de@kistler.com](mailto:training.de@kistler.com)