

Cutting force measurement on machine tools

Seminar description

Maintaining successful long-term prospects in the metal-cutting industry requires detailed knowledge of cause-effect relationships in metal-cutting and the ability to use these efficiently and profitably. This user course presents fundamental principles of cutting force measurement. Participants will gain initial practical experiences by conducting measurements directly on machine tools under the guidance of the trainer. The measurement data collected will then be discussed in the group and will also be available to course attendees after the seminar.

Seminar content

- Introduction to piezoelectric multi-component measurement technology
- Fixed and rotating cutting force dynamometers
- Working with measuring instruments and measurement data acquisition
- Conduction of test measurement
- Interpretation of measured values

Goal

The goal of this seminar is to present the fundamental principles of cutting force measurement to participants so that they can apply these correctly in real-world scenarios. Following the training, they will be able to employ sensors and amplifiers as designed for optimal results.

Target group

Metrologists in research and industry

Prerequisite for participation

Basic knowledge of machining processes and forces that arise during chip formation

Duration

1 day
2 days

9:00 a.m.–4:30 p.m.

Seminar number

1 day: 9966B34-1-1-2
2 days: 9966B34-1-2-2

This seminar can also be held on-site at your company upon request. Please inquire about dates and cost.

Register at:

training.de@kistler.com