PRACTITIONER TRAINING · AUTOMOTIVE QUALITY

MSA: Measurement Systems Analysis Training

Self-paced online training (video) · 12 modules · about 2.5 hours of video · about 4 hours in total · English, with captions

Check that your measurement systems can be trusted, from bias, linearity and stability studies to gauge repeatability and reproducibility, attribute agreement and acting on the results.

WHO IT IS FOR

Quality and metrology engineers, inspectors, laboratory and calibration staff, process engineers and quality managers at automotive and other manufacturing suppliers.

WHAT YOU WILL LEARN

- Explain measurement system variation and its effect on product and process decisions
- Plan MSA studies for the measurement systems named in your control plan
- Assess bias, linearity and stability, and interpret the results
- Run and analyse a gauge R&R study, including the number of distinct categories
- Run an attribute agreement study for visual and go/no-go inspection
- Decide on and track actions when a measurement system is not acceptable

MODULES (12)

1. Welcome, and why measurement matters
2. Measurement as a process
3. Calibration, MSA and the control plan
4. Bias
5. Linearity
6. Stability: control charts for measurement
7. Planning a gauge R&R study
8. Average and range, and ANOVA methods
9. Tolerance, process variation and ndc
10. Attribute agreement analysis
11. Acting on the results
12. Running an MSA programme

PRICE

US$99 per learner

Per learner, by team size

1–10 learners	**US$99**
11–50 learners	**US$79**
51–200 learners	**US$69**

Excluding taxes.

DURATION

About 4 hours in total (2½ hours of video)

MODULES

12

FORMAT

Self-paced online training (video)

LANGUAGE

English, with captions

ACCESS

12 months

CERTIFICATE

Sterling Academy Certificate of Completion

Scan for the course page, prices and enrolment