



planner



silma



metrolog

Training catalog

Master precision measurement.
Built for manufacturing excellence.

Beginner From software configuration to formatting results.

Introduction to dimensional metrology

4 days*

F01 Introduce new employees or employees in transition to metrology to give them a basic understanding of the field.

Non-product training

F02 4 days*
CMM

Understand the basics of Metrolog on CNC CMMs, with a focus on GD&T principles and automated measurement processes.

F02 3 days*
Arm

Understand how to operate Metrolog on a measuring arm, with a focus on GD&T basics and manual measurement sequencing.

F02 3 days*
Tracker

Understand how to use Metrolog with a Laser Tracker, focusing on GD&T basics and automated measurement processes.

F02 3 days*
Silma

Acquire the skills to use Silma software for the creation and optimization of offline measurement programs through digital twin technology.

Intermediate Getting started with specific features.

F03 1 day*
Blade

Understand and apply the measurement methodology within the Blade module, including the analysis and utilization of results tailored to specific part types.

F03 1 day*
Gear

Understand and apply the measurement methodology within the Gear module, including the analysis and utilization of results tailored to gear components.

F03 1 day*
Optical sensor

Understand the principles and techniques of measurement using optical sensors, including data acquisition workflows.

F04 2 days*
5-Axis

Understand the principles and techniques of measurement with 5-axis technology.

GD&T – Geometric dimensioning & tolerancing

3 days*

F05 Understand geometric tolerances and their evaluations, learn how to use the GD&T functions in the Metrologic software suite, as well as evaluation methodologies.

Non-product training

Advanced Get more out of your software capabilities.

F06 2 days*
Adv. programming

Leverage programming capabilities and advanced functionalities to optimize your measurement program based on your environment, context, and the parts to be inspected.

F06 0.5 day*
Report

Understand and apply the available tools to fully customize inspection reports according to specific needs and standards.

F06 2 days*
Tolerancing

Understand how to use the tolerance evaluation engine to improve the interpretation of measurement results and facilitate clear reporting.

F06 2 days*
Point cloud

Strengthen skills in point cloud processing and analysis.

* Minimum recommended duration (days)

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F01 — Beginner

Introduction to dimensional metrology

Provide newcomers or transitioning employees with a foundational understanding of dimensional metrology principles and practices.

Training plan

Introduction to Metrology

- Explanation of technical vocabulary
- Reading engineering drawings and spatial vision
- Introduction to dimensional tolerancing
- Overview of measuring equipment
- Introduction to measurement practice
- Discovering the software environment

Key information



Group size
1 to 4 trainees



Duration
4 days



Format
On-site · Metrologic DCS site
· Online

Prerequisites

None.

Evaluation

Ongoing knowledge validation with the trainer throughout the session.

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F02 — Beginner

Beginner training — Metrolog

CMM / Arm / Tracker

Introduce participants to Metrolog, covering its interface and core functionalities on the chosen measurement system. Trainees will carry out dimensional inspections autonomously and produce reports.

Training plan

Interface & navigation

- Discovering the graphical interface (menus, windows, database, 3D views)
- Discovering basic features
- Accessing the customer portal

Measurement workflow

- Defining the characteristics of elements to be measured
- Concept of reference frames and positioning in space
- Configuring the visual display (labels and views)
- Managing imports and exports

GD&T & reporting

- Creating a measurement program and generating an inspection report
- Evaluating geometric tolerances (GD&T)
- Report generation

Key information



Group size
1 to 4 trainees



Duration
4 days (CMM) · 3 days
(Arm, Tracker)



Format
On-site · Metrologic DCS site

Prerequisites

Basic knowledge of metrology and IT. A measuring device connected to Metrolog and at least one PC per two trainees.

Evaluation

Ongoing knowledge validation with the trainer.

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F03 — Intermediate

Intermediate training

Blade / Gear / Optical Sensor

Become proficient with the selected module (Blade, Gear, or Optical Sensor) to use it effectively in a measurement context. Participants will present measurement results obtained using these modules.

Training plan

Module overview

- Introduction to the selected module
- Use cases and application scenarios

Measurement practice

- Measurement methodology
- Results analysis
- Results formatting and reporting

Key information



Group size
1 to 4 trainees



Duration
1 day per module



Format
On-site · Metrologic DCS site

Prerequisites

Beginner-level proficiency in Metrolog or Silma required.

Evaluation

Ongoing knowledge validation with the trainer.

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F04 — Intermediate

5-axis training

PH20 / Revo2

Familiarize participants with the specific characteristics of 5-axis heads on CNC CMMs to optimize measurement performance and accuracy.

Training plan

5-axis environment

- UCC environment presentation and configuration
- Specifics of 5-axis measurement

Measurement techniques

- Tip and quill movements
- Automated measurement, sweep and trajectory guide
- Specific tooling overview (RUP, RVP, SFP — depending on available equipment)

Key information



Group size

1 to 4 trainees



Duration

2 days



Format

On-site · Metrologic DCS site

Prerequisites

Beginner-level training in Metrolog completed. A 5-axis head (PH20 or Revo2) required.

Evaluation

Ongoing knowledge validation with the trainer.

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F05 — Intermediate

GD&T training

Geometric dimensioning & tolerancing

Understand geometric tolerances and their evaluations, master the GD&T functions within the Metrologic software suite, and apply evaluation methodologies in line with ASME and ISO standards.

Training plan

GD&T fundamentals

- Understanding geometric tolerances
- Explanation of GD&T symbols and their meaning
- ASME / ISO normative review

Software application

- Manipulation, creation and analysis of GD&T in Metrologic suite
- Evaluation methodologies
- Training adaptable to specific starting level per customer needs

Key information



Group size

1 to 4 trainees



Duration

3 days



Format

On-site · Metrologic DCS site
· Online

Prerequisites

Basic metrology knowledge. Access to Metrolog or Silma required.

Evaluation

Ongoing knowledge validation with the trainer.

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F06 — Advanced

Advanced training

Advanced programming / Report / Tolerancing / Point cloud

Deepen mastery of advanced software functionalities to optimize efficiency and performance in day-to-day professional activities.

Training plan

Customized program

- Content defined with participants based on their specific needs and expectations

Module topics

- **Advanced programming:** optimize measurement programs using the path engine and advanced functions
- **Report:** fully customize inspection reports to specific needs and standards
- **Tolerancing:** use tolerance evaluation engine for optimized analysis and reporting
- **Point cloud:** reinforce skills in point cloud processing and analysis

Key information



Group size
1 to 4 trainees



Duration
0.5 to 2 days per module



Format
On-site · Metrologic DCS site

Prerequisites

Hands-on experience with Metrolog or Silma required. These sessions are highly job-specific.

Evaluation

Ongoing knowledge validation with the trainer.

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