

MITUTOYO (THAILAND) CO., LTD.  
**TRAINING INSTITUTE**

To Train and Educate Today for the Needs of Tomorrow



# Metrology Training Course

Course Type	Duration
<b>Basic Geometric Dimensioning &amp; Tolerancing</b> <ul style="list-style-type: none"> <li>Introduction</li> <li>What are datum, features, tolerance, and modifiers</li> </ul>	1 Day
<b>Texture Surface Parameters</b> <ul style="list-style-type: none"> <li>Explanation on surface parameter</li> </ul>	1 Day

# Vision Product Software Training Course

Course Type	Duration
QVPAK	2 Days**

\*\*will provide additional 1 day training at participant's premises



## QVPAK Course Content

### Day 1

- Setting up for measurement
- Moving control system
- Setting stage option
- Focusing, edge detection, drawing tools
- Type of co-ordinate system, alignment and measurement

### Day 2

- Part program editor and file management
- Measurements between features
- Compute of distance and angle
- Using nominal, tolerance and datum fit

### Day 3 (At participant's premises)

- QVNavigator window construction and operation page
- QVGraphics window configuration and view window
- Working with point buffers
- Step and repeat loop in part program

## What you get from our training courses

You will receive

Free 1 time consultation after training

Exclusive training certificate



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for all courses including Thai versions

# CMM Product Software Training Course

Course Type	Duration
MCOSMOS GEOPAK-WIN	3 Days**
CAT1000P	1 Day
CAT1000S	1 Day

\*\*will provide additional 1 day training at participant's premises

## CAT1000P Course Content

### Day 1

- On/Off-Line teaching program

## CAT1000S Course Content

### Day 1

- Curved surface evaluation program

## GEOPAK-WIN Course Content

### Day 1

- Basic Maintenance of CMM
- Introduction to GEOPAK-WIN
- Layout of Main Windows
- Program directory
- Introduction to Learn Mode

### Day 2

- Probe Data Management
- Pattern for Alignment
- Element Commands
- Types of Calculation
- Define Coordinate System by steps
- Types of Construction

### Day 3

- Compute of Distance and Angle
- Types of Coordinate System
- Element Commands and Tolerance
- Output of Data

### Day 4 (At participant's premises)

- CNC Parameter
- Automatic Element Commands
- Manual/CNC Part Program



# Form Product Software Training Course

Course Type	Duration
ROUNDPAK	2 Days**
FORMTRACEPAK	2 Days

\*\*will provide additional 1 day training at participant's premises

## ROUNDPAK Course Content

### Day 1

- Introduction to machine
- Calibration of styli
- Performing centering and levelling on workpiece
- Simple measurement
- Understanding of screen and printer outputs

### Day 2

- Part programming
- Deleting data
- Partial rotations measurement
- Layout results screen

## FORMTRACEPAK Course Content

### Day 1

- FORMTRACEPAK window
- Operating the measuring instrument
- Customizing the FORMTRACEPAK operating conditions
- Establishing the co-ordinate system
- Executing calculation

### Day 2

- Part program creation I
- Creating and saving measured data
- Printing the measurement result
- Calibration of measuring instrument
- Printing and editing the page layout

### Day 3 (At participant's premises)

- Part program creation II
- Performing step and repeat part program
- Performing step and repeat with Y-axis (optional)



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We offer various metrology training courses, ranging from the Fundamentals of Precision Measurement to Co-ordinate Measuring Machine software. The courses are led by our industrial experienced, highly skilled trainers. Course contents are based on years of experience in offering solutions, advice and educational support to the industries in Dimensional Metrology Field.

Each training course is designed to equip trainees with theoretical knowledge, as well as extensive practical 'hands on' experience gained from our latest and comprehensive range of Mitutoyo equipment.

If you have any special requirements, just let us know, and we will customize a course to suit your needs. Special arrangements can be made for the training to be held in your own premises.

All trainees who successfully complete the course, will each receive a certificate that reflects the high standard of achievement obtained.

Note: Product illustrations are without obligation. Product descriptions, in particular any and all technical specifications, are only binding when explicitly agreed upon.

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