



Mitutoyo

**FULLY  
COMPREHENSIVE  
SET FROM  
15.300 €**

# THE MITUTOYO MANUAL CMM PROMOTION PACKAGE!

VALID THROUGH FEBRUARY 28, 2017

THE MITUTOYO MANUAL  
CMM PROMOTION PACKAGE

Above-mentioned prices are Mitutoyo's suggested retail prices without VAT. Prices do not include installation and training.

## CRYSTA-PLUS M: SIMPLY THE BETTER IDEAS

The Mitutoyo CRYSTA-PLUS M coordinate measuring machines are well-proven and popular throughout the branches. This top-quality floating type CMM is designed to conduct outstandingly accurate measurements of small to mid-size workpieces at a high drive speed. Now the tried and tested machines are offered in fully comprehensive sets at very special prices starting from 15.300 €.

- › Ideal for initial sample and incoming goods inspection
- › High resolution Mitutoyo linear encoder
- › Air bearing on every axis
- › Fine adjustment for easy probing of difficult geometries
- › Machine stand for ergonomic working position
- › Indexable probe head with 168 repeatable positions
- › Flexible stylus changing during part program

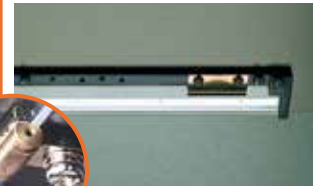


### Air bearings on all axes

Self-adjusting air bearings on all axes enable CRYSTA-PLUS M to move particularly smoothly, quickly and precisely.

### Dust-protected glass scales

CRYSTA-PLUS M is equipped with highly accurate, dust-protected glass scales with a resolution of 0.5 µm.



Fixing the X, Y and Z axes and central fine adjustment of the X and Y axes. (Models X-400 and X-500)



### Space saving and lightweight

With its particularly high quality, lightweight materials and alloys and its space saving dimensions, it only requires a compact area on a normal base.

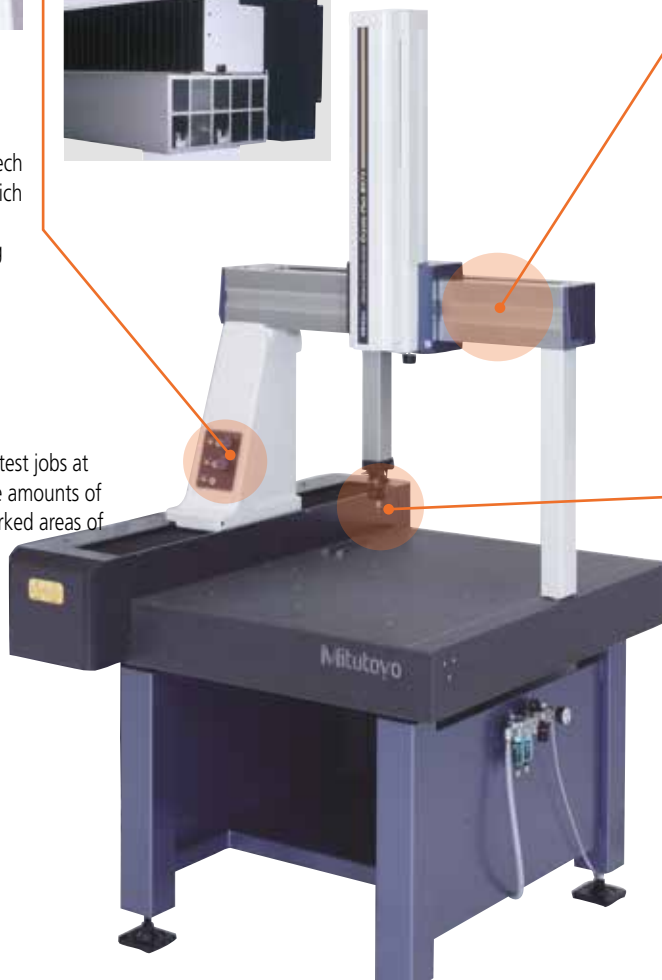


### State of the art technologies for guide stability

Designed in accordance with the finite element method (FEM) high levels of rigidity, straightness and minimum of vibration and temperature transference is reached.

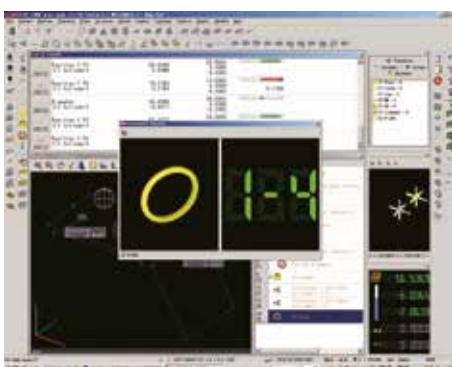
### User navigation with speech output

MCOSMOS measuring software provides users with speech guidance throughout the entire measuring program, which prevents misunderstandings and focuses concentration entirely on the management of the equipment. Allowing even less experienced employees to perform complex measuring tasks securely and without errors.



### MCOSMOS software for 3D geometry measurement

MCOSMOS helps you carry out all your measuring and test jobs at high speed, simply and safely. MCOSMOS handles large amounts of data with ease, making it available across all the networked areas of the production chain.



### MH20i index probe head

- Repeatable index positions eliminate the need for constant re-qualification.
- 168 positions (at 15° increments) offer maximum flexibility in repeatable probe orientation.
- Lock / unlock feature allows ease of positioning and eliminates unnecessary wear.
- Easy-to-read scales for rapid re-orientation to qualified positions.

**DON'T MISS THIS PACKAGE:**

- ✓ Manual CMM main unit
- ✓ Indexable probe system
- ✓ Stylus kit
- ✓ Software for inspection of geometric features
- ✓ PC, monitor, printer

	CRYSTA-PLUS M443
X axis	400 mm
Y axis	400 mm
Z axis	300 mm
E <sub>0,MPE</sub> *	(3,0+0,4 L/100) µm
P <sub>FTU,MPE</sub> *	4 µm
<b>Set-price</b>	<b>15.300 €</b>

	CRYSTA-PLUS M544
X axis	500 mm
Y axis	400 mm
Z axis	400 mm
E <sub>0,MPE</sub> *	(3,5+0,45 L/100) µm
P <sub>FTU,MPE</sub> *	4 µm
<b>Set-price</b>	<b>17.891 €</b>

	CRYSTA-PLUS M574
X axis	500 mm
Y axis	700 mm
Z axis	400 mm
E <sub>0,MPE</sub> *	(3,5+0,45 L/100) µm
P <sub>FTU,MPE</sub> *	4 µm
<b>Set-price</b>	<b>19.080 €</b>

\* Accuracy statement according to ISO 10360-2

**Clamping system eco-fix Kit S**

The modular clamping system eco-fix allows relaxed working in many ways. For the first time, functions and colours are conjoint in a practice-oriented concept for time-saving, economical working and confusion-proof handling.



eco-fix S (option)  
**915 €**

**INCLUDES**

**Main unit:**  
CRYSTA-PLUS M443,  
CRYSTA-PLUS M544 or  
CRYSTA-PLUS M574



**Complete workstation PC:**

Incl. colour printer, monitor, keyboard, mouse\*

**Software MCOSMOS-1 manual V4.0:**

Powerful software for manual machines:

- 3D measurements of regular geometries
- Full support of GD&T
- Easy programming with automatic element recognition
- Guides the operator with commands and pictures
- Prove your quality with individual reports



\* Description on request

**Probing system:**

- MH20i indexable probe head, pitch of 15° on Z axis



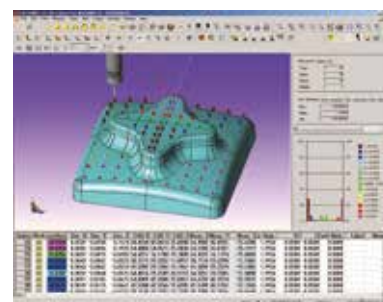
**Stylus kit:**

- 8 pcs stylus starter kit

**SUGGESTED OPTIONS**

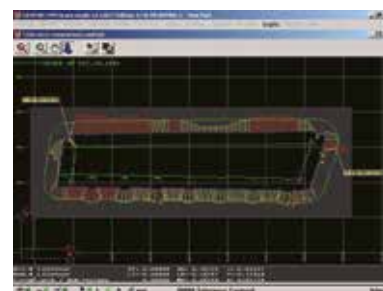
**CAT1000S**

Software for free form surface comparison to CAD model



**SCANPAK**

For the scanning and evaluation of 2D contours

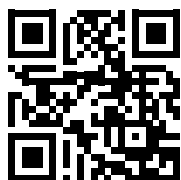




**Whatever your challenges are,  
Mitutoyo supports you from start to finish.**

Mitutoyo is not only a manufacturer of top quality measuring products but one that also offers qualified support for the lifetime of the equipment, backed up by comprehensive services that ensure your staff can make the very best use of the investment.

Apart from the basics of calibration and repair, Mitutoyo offers product and metrology training, as well as IT support for the sophisticated software used in modern measuring technology. We can also design, build, test and deliver bespoke measuring solutions and even, if deemed cost-effective, take your critical measurement challenges in-house on a sub-contract basis.



**Find additional product literature  
and our product catalogue**

[www.mitutoyo.eu](http://www.mitutoyo.eu)

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