

# CAPTURA 3.2.2/4.3.2/5.4.2

## ENTRY-LEVEL OPTICAL COORDINATE MEASURING MACHINES

The Captura range supports multisensor measurements with vision sensors, laser sensors and confocal sensors. Captura's dynamic machine concept offers high positioning accuracy and is designed for **fast measuring point acquisition and high-performance data capture**. The CMM runs on Metus measurement software, a Hexagon-developed software.

### FEATURES

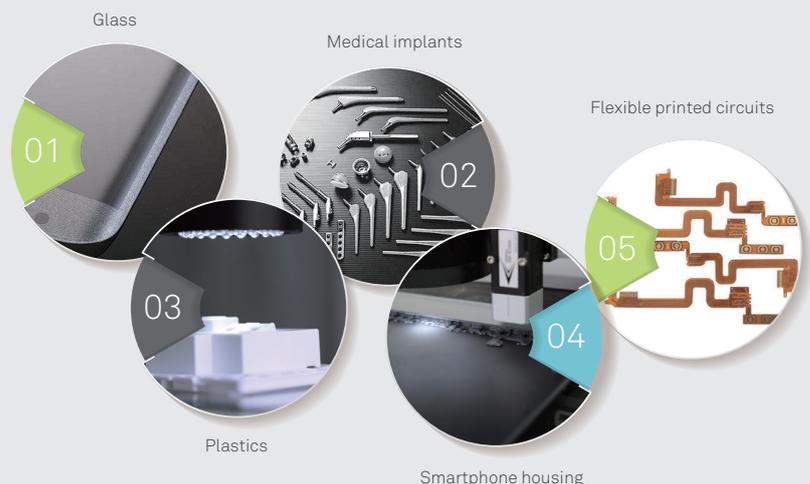
- High-precision granite construction to ensure long-term stability
- Three-axis full servo closed loop control system
- Grinding grade screw drive, accurate positioning, high motion accuracy
- High resolution color CCD; high resolution 1/1.8-inch CMOS camera (H 1280 x V 1024 pixels) with Gigabit Ethernet interface
- Customised CNC zoom with 6.5x magnification and 10 steps
- Magnification: 25\*215 (24-inch screen)
- Resolution of the scales : 0.4  $\mu$ m
- Illumination for vision sensor
- Parallel LED backlight
- Six-ring and eight-segment LED ring light (white LEDs)
- Coaxial LED top light (optional)
- Laser point and laser line sensors (optional)
- Chromatic confocal sensors (optional)



## A NEW VISION FOR NON-CONTACT MEASUREMENT

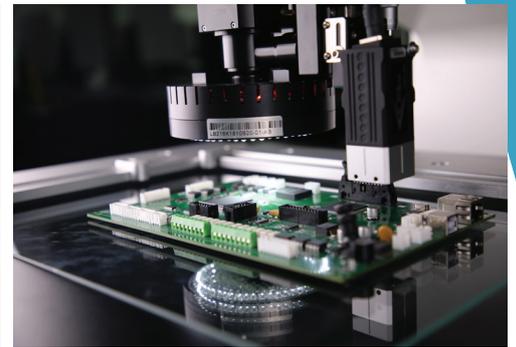
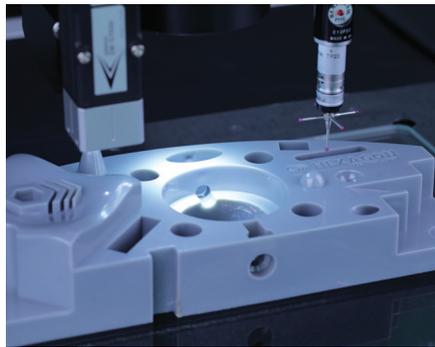
## APPLICATIONS

Optical CMMs are widely used to inspect glass panels, automotive and aerospace parts, plastic moulds, printed circuit boards and other electronic components, medical devices, watch and other jewellery parts, as well as for tooling.



## TECHNICAL DATA

CAPTURA			
Model	3.2.2	4.3.2	5.4.2
Range (mm)	X	300	400
	Y	200	300
	Z	200	200
Dimension (L*W*H)	860×639×1650	1000×767×1650	1140×818×1670
Exy Accuracy (µm)	2.5+L/200	2.5+L/200	3.0+L/200
Working distance (mm)	92	92	92
Plate load (kg)	20	20	20
Machine weight (kg)	350	400	450



## INTRODUCTION TO METUS

Metus is a dedicated measurement software for 2.5D multisensor measurement, developed in-house by Hexagon. The software has its roots in the world-renowned PC-DMIS metrology software. Metus was designed by a specialist team of metrology software developers committed to providing the highest standard of precision measurement in an easy-to-use software package.

The Metus user interface uses ribbon-based, dockable command panels to provide a user experience consistent with the Microsoft Office GUI standards. Commonly-used functions are available from one single view, removing the need for repetitive clicking, dragging and panel adjustments to find key action buttons, menus or hardware controls.

### KEY FUNCTIONS

- CNC Program Editing and Data Refresh
- Multiple Coordinate Systems
- Powerful Image Processing
- Real-Time Data Reporting
- Measurement Step Sequence Repetition
- Auto Focus
- CNC Program Sharing
- Image Stitching
- DXF, Gerber CAD Drawing Importing
- Calculator Function
- Laser Scan Function
- Multisensor Support
- Inspect Interface
- Navigation System



#### AUTHORIZED DISTRIBUTOR V-PROUD JOINT STOCK COMPANY

**HN** : Lot B21-X3, Tran Huu Duc Str.,  
Cau Dien Ward, Nam Tu Liem Dist., Hanoi  
**T** : (84) 24 3224 2295 **F** : (84) 24 3224 2297  
**E** : infor@v-proud.vn **W** : www.v-proud.vn  
**Sales hotline** : (84) 91 737 8833 (Mr. Duc Anh)  
**Services hotline** : (84) 97 840 6132 (Mr. Dung)

**HCM** : 12<sup>th</sup> Floor, Viettel Building, No. 285,  
CMT8 Str., 12 Ward, 10 Dist., Ho Chi Minh city  
**T** : (84) 28 7108 8955 **F** : (84) 28 7108 8955

#### ĐẠI LÝ ỦY QUYỀN CÔNG TY CỔ PHẦN V-PROUD

**HN** : Lô B21-X3, KĐT Mỹ Đình 1, Trần Hữu Dục,  
P. Cầu Diễn, Q. Nam Từ Liêm, Hà Nội  
**T** : (84) 24 3224 2295 **F** : (84) 24 3224 2297  
**E** : infor@v-proud.vn **W** : www.v-proud.vn  
**Hotline kinh doanh** : (84) 91 737 8833 (Mr. Đức Anh)  
**Hotline kỹ thuật** : (84) 97 840 6132 (Mr. Dũng)

**HCM** : Tầng 12, Tòa nhà Viettel, Số 285,  
đường CMT8, P. 12, Quận 10, TP. Hồ Chí Minh  
**T** : (84) 28 7108 8955 **F** : (84) 28 7108 8955