

Global partners



Our service

UNIMETRO is devoting to offer the best metrology products and solution, also offer the best after sales service.

Free on-line support, free software upgrade and fast reaction of after sales service ensure the satisfaction of our customers and dealers.

Global market

Dealers or distributors all over the world are welcome and we will offer full support in commercial and technical phase.

UNIMETRO is always providing products with the best price performance ratio and the best service.

OEM and special measuring solution

UNIMETRO is available for OEM service for our distributors.

Thanks to the professional technical team of UNIMETRO, we are also capable for varies kinds of special measuring solution or devices development, please consult to our engineer if you have such kind of requirement.



Manual Vision Measurement Machine with Auto Focus
EXTRA Series



Website

UNIMETRO(HONGKONG) INTERNATIONAL TRADING CO., LTD.
DONGGUAN XIANGYU PRECISION MACHINERY CO., LTD.
ZHUHAI XIANGYI TECHNOLOGY CO., LTD.

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UNIMETRO[®]
UNIVERSAL METROLOGY

EXTRA Series Manual Vision Measurement Machine with Auto Focus

The EXTRA series manual vision measurement machine provides extra measuring function and user experience to customers over normal vision measuring products. The series configured with servo motor in Z axis, including manual pulse generator for fine positioning fine adjusting, also with auto focus function, which highly increase the measuring process efficiency and end user experience.



Smart design

For the EXTRA series machines mechanical design we are following the concept of light weight, smart and compact, in the mean time keeps the rigidity and stability. With lowest space occupation offers the highest measuring range.

High accuracy transmission system

The EXTRA series is using high accuracy linear slide way, which is totally different from the cross slide way used for other manual VMM, ensures much more stable and accurate transmitting of the work stage, also voiding the potential risk of the shorten traveling range which caused by the cross slide way.

3D measuring function

Working with the UNIMETRO professional 3D measuring software, the EXTRA series VMM will provide strong 3D measuring function, which becomes a powerful 2D/3D composite measuring device with extremely reasonable price.

Specification

Items	EXTRA200	EXTRA300	EXTRA400	EXTRA500
Dimension(mm)(X/Y/Z)	540 / 550 / 930	600 / 667 / 980	724 / 851 / 980	1024 / 1251 / 1752
Measuring range(mm)(X/Y/Z)	200 / 100 / 150	300 / 200 / 200	400 / 300 / 200	500 / 400 / 200
Measuring Accuracy(μm)	2.5 + L / 100	2.5 + L / 100	2.5 + L / 100	3 + L / 100
Repeatability(μm)	2.5 μm	2.5 μm	2.5 μm	3 μm
Weight (kg)	82kg	123kg	180kg	552kg
Image and Measuring	CCD	1.3M pixel digital camera		
	Lens	Manual dented zoom lens with magnification signal feedback 0.7-4.5X		
	Magnification	24.7 - 160X (For reference only. With different camera and lens the magnification will be different.)		
	Field of View	8.5~1.3mm(For reference only, with different camera and lens combination, the value will be different.)		
	Working distance	80mm		
Linear scale resolution	0.5 μm			
Driving system	X / Y axis manual control, Z axis CNC full closed loop motion control (including auto focus function)			
Illumination	Programmable LED 8-zone ring surface light, LED bottom parallel light (optional: 8-zone ring light, coaxial light)			