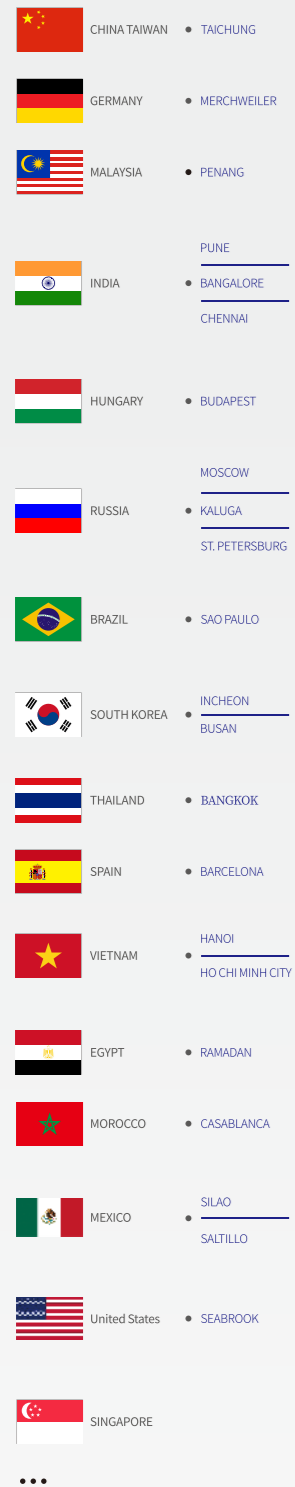


## Global partners



## 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

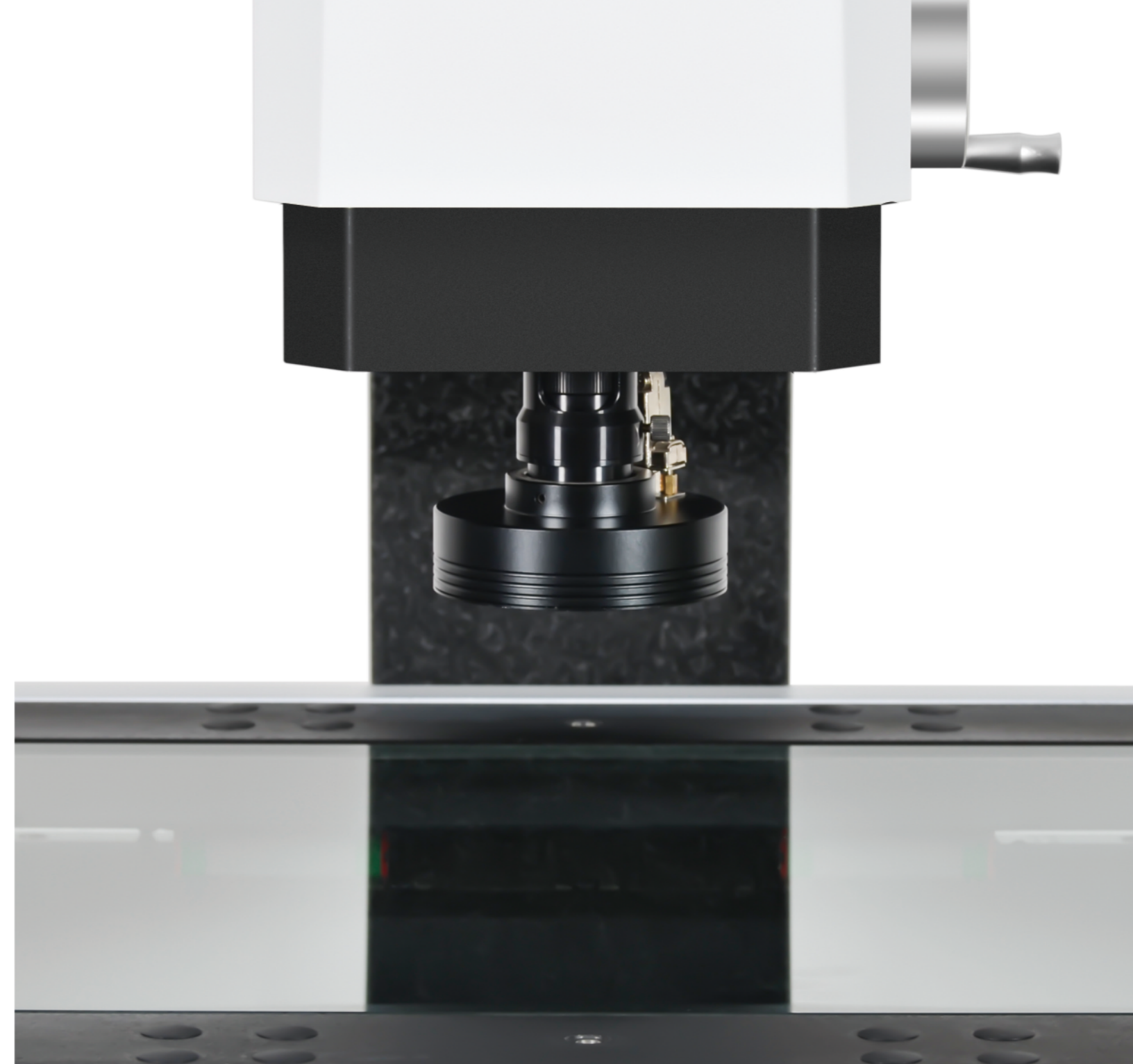
Dealers or distributors all over the world are welcome and we will offer full support in commercial and technical phase.

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  
BASIC Series



Website

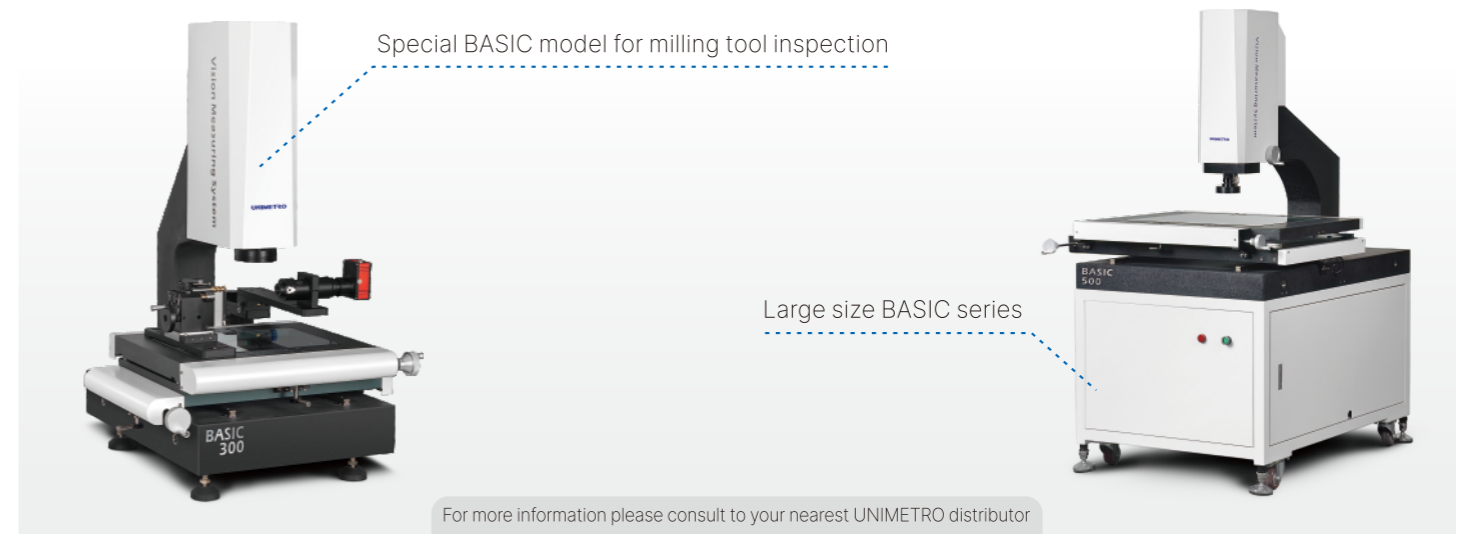
UNIMETRO(HONGKONG) INTERNATIONAL TRADING CO., LTD.  
DONGGUAN XIANGYU PRECISION MACHINERY CO., LTD.  
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UNIVERSAL METROLOGY

# BASIC Series Manual Vision Measurement Machine

BASIC series optical measuring machine is an important instrument used in your products quality control process. It ensures your products dimension accuracy, makes your products more competitive.



## High accuracy hardware configuration

The Series is configured with high accuracy linear guide way, provides unique dynamic performance and end user experience. Also includes full programmable 8 sections LED surface illumination ring, 3 axis 0.0005mm high resolution linear transducers, And powerful programmable measuring software.

## Reverse engineering

BASIC series VMM is compatible with Renishaw touch probe as optional configuration. Users can easily achieve 2D and 3D measuring function in one machine. The software can calculate the offset between the optical lens and touch probe, makes sure that all measuring results are within one coordinates system. The measuring results can be out put as 3D drawing for reverse engineering.

## Compact and accurate

BASIC series VMM is the most common model for most of the factories manufacturing accurate parts. It is fit for small quantity samples measuring application. 3 axis manual control, with user friendly software, allows the operator to manage using the machine in very short time.

## Specification

Items	BASIC 200	BASIC 300	BASIC 400	BASIC 500
Dimension(mm)(X/Y/Z)	540 / 550 / 860	600 / 667 / 915	724 / 851 / 915	1024 / 1251 / 1752
Measuring range(mm)(X/Y/Z)	200 / 100 / 150	300 / 200 / 200	400 / 300 / 200	500 / 400 / 200
Measuring Accuracy( $\mu$ m)	2.5 + L / 100	2.5 + L / 100	2.5 + L / 100	3 + L / 100
Repeatability ( $\mu$ m)	2.5	2.5	2.5	3
Weight (kg)	82kg	123kg	180kg	552kg
Image and Measuring	CCD	1.3M pixel digital camera		
	Lens	Manual dented zoom lens 0.7 - 4.5X(Optional electronic magnification signal feedback lens)		
	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 $\mu$ m			
Driving system	X/Y/Z axis manual control			
Illumination	Programmable LED8 zone ring surface light, LED bottom parallel light (optional: coaxial light)			