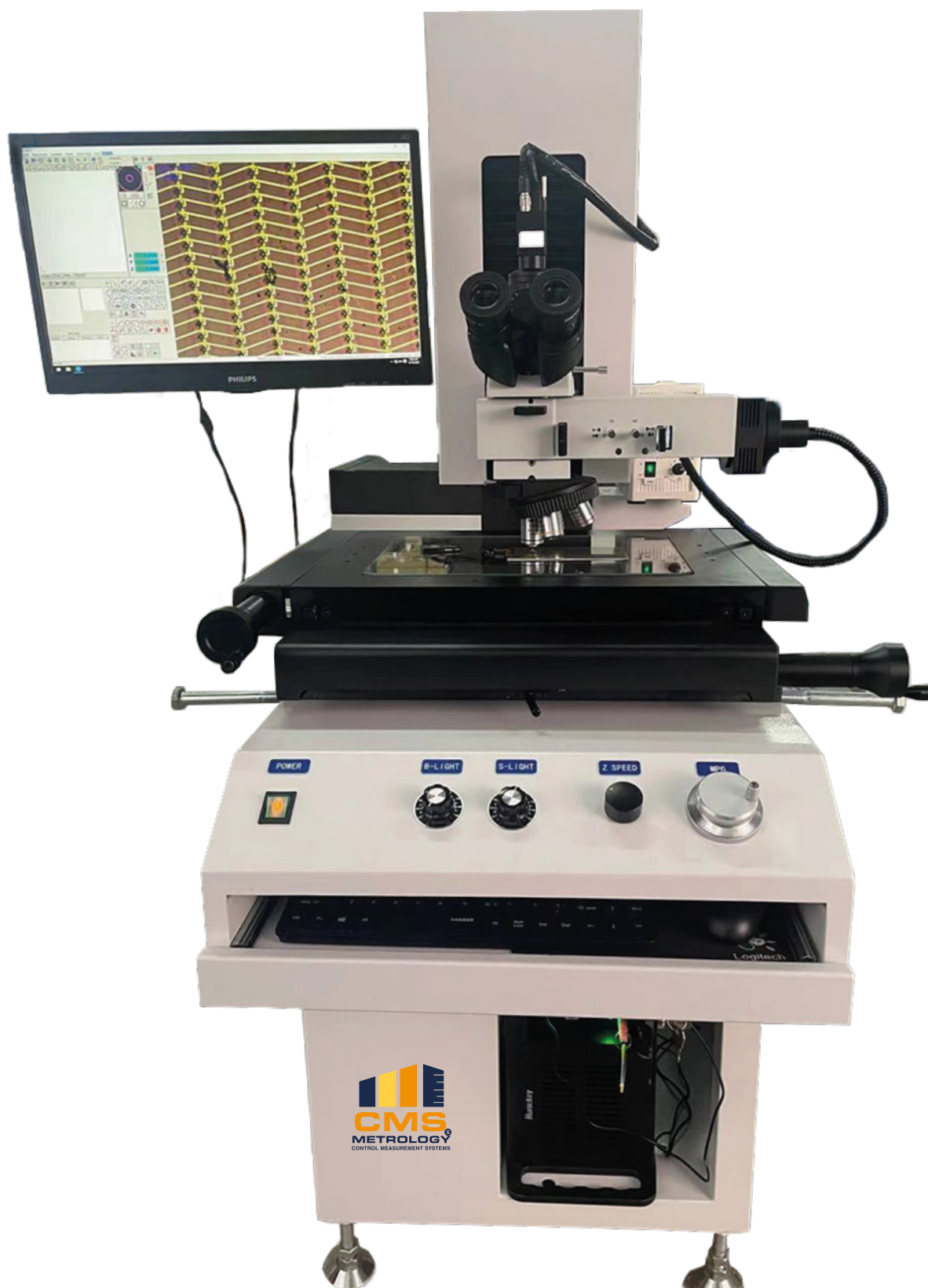




IMÁGENES Y CARACTERÍSTICAS PUEDEN VARIAR SIN PREVIO AVISO

1

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MC Series Metallographic Tool-Make Microscope



Z AXIS AUTOMATIC

AUTO-FOCUSING FUNCTION

NIKON CFI60 OPTICS

DIGITAL COLOR CCD

Feature

- AC servo motor, Z axis CNC control, stable performance, high accuracy and repeatability
 - High accuracy TBI" ground ball screw rod , accuracy of positioning 0.002mm
 - Upright column and base adopt high accuracy granite base
 - High accuracy "Preme" linear scale resolution 0.0001mm
 - Customized report support: Excel, PDF CAD
 - High-resolution industry 1.3M pixel digital color CCD, resolution 1920*1080
- SOPTOP company CSIC infinity correction optical system ,or optional Nikon latest CFI60 optics

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Technical parameters

Model	MC-300	MC-400
Table travel range(XYZ)	300X200X150mm	400X300X150mm
Dimension	900*700*980mm	1000*800*980mm
Resolution	0.0001mm	
Accuracy	(2+L/200) um	
Repeatability accuracy	2um	
X.Y move style	Manual handle	
Z move style	Automatic focus(servo motor)+ Manual pulse handwheel focus(min focal distance 0.1um)	
CCD	1.3M digital color CCD	
Software	SBK-MM	
Work-table loading	35KG	
Illuminating system	Cold light source transmission lighting, 10W LED reflection lighting	
Nosepiece	Five-hole objective rotary table (with DIC slot)	
Optical eyepiece tube	Trinocular tube	
Eyepiece	WF 10X/22	
Adaptor lens	0.5X	
Magnification	10 X -3000 X	
Bright filed lens	LWDPLAN 5X: (N.A) 0.14, working distance :10.8mm	
	LWDPLAN 10X: (N.A) 0.25, working distance:10.0mm	
	LWDPLAN 20X: (N.A) 0.40, working distance: 4.0 mm	
	LWDPLAN 50X: (N.A)0.55, working distance: 7.5 mm	
Optical system	CSIC infinity correction optical system	
Power	220V $\pm$ 10% , 50Hz , 0.5KW	
Environment require	temperature range: 22 $\pm$ 2 $^{\circ}$ C, humidity range: 30%-70%	
Optional parts	100X lens, Dark-field, polarized, DIC(differential interference contrast)	

Main Part

Name	Picture	Name
CCD		1.3 mega pixels digital CCD
Linear Guide		Taiwan "Hiwin" P grade linear guideway
Motor		Japan Nidec synchronous AC servo motor
Screw Rod		"TBI" ground ball screw rod
Linear scale		glass linear scale 0.1um
Bearing		Japanese original "NSK" double combination centripetal ball bearings

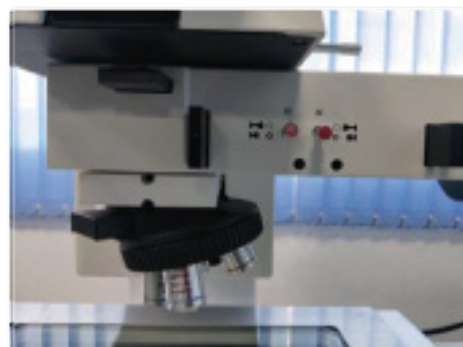
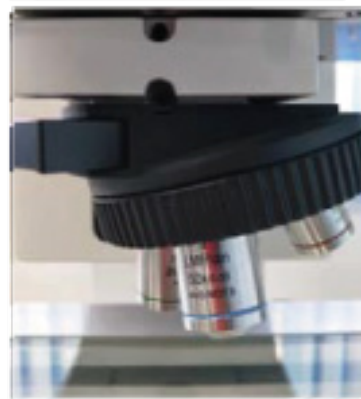
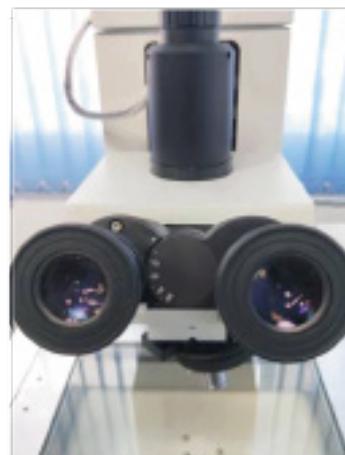
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 Querétaro: [-52] 442-340-0250, 442-340-0251, 442-193-5678
 Puebla: [-52] 222-219-9999, 222-887-0114, 222-228-1633

Optional part

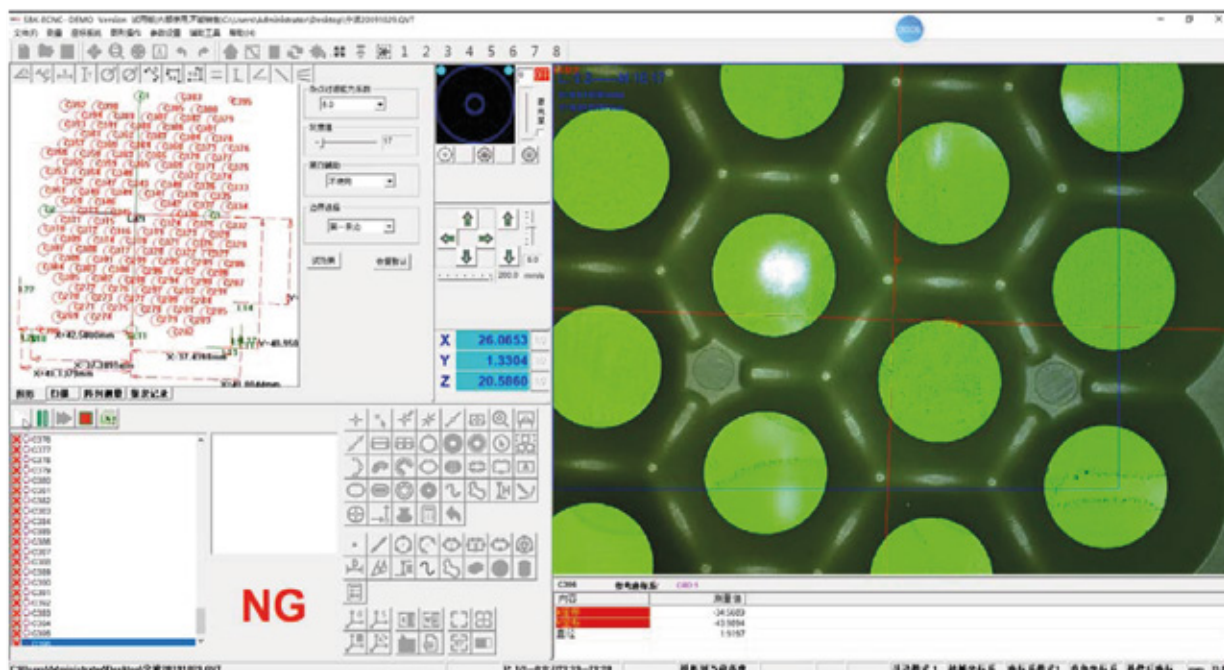
1. 100X Objective Lens
2. Olympus metallographic head
3. Nikon CFI60 optics

Machine Display



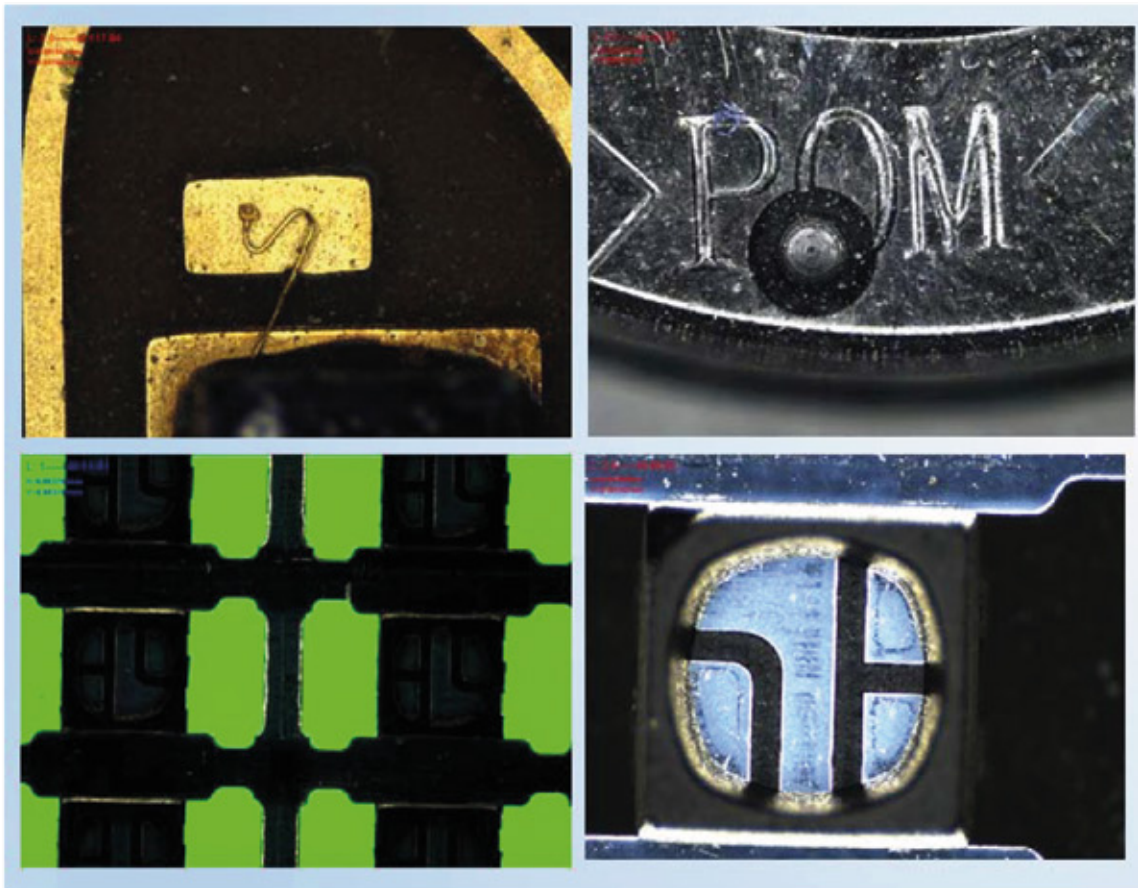
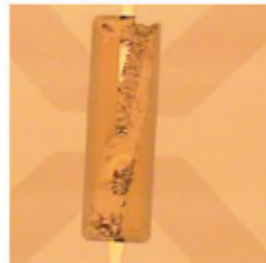
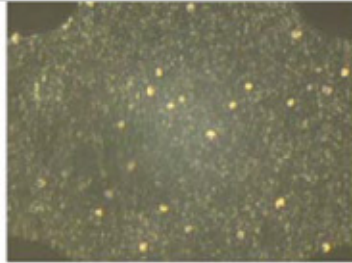
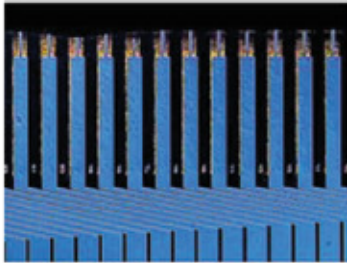
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1. system with three axis motion state optimization control and mechanical geometric error compensation function; optimization Settings and system software control system self-check function;
2. perfect intuitive graphical interface software for different application level of the operator provides a convenient executive function;
3. have programming function, suitable for the measurement of mass detection;
4. coordinate system to management function: the establishment of the workpiece coordinate system, transformation, access functions.
5. Automatic edge functions: automatic capture edge can be set boundaries, a multipoint line, circle, arc, etc. Reduce the visual measurement error.
6. box detection range: choose box range measurement multiple figures at the same time, greatly reduce the workload screen of burrs automatic edge measurement: in view of the blind hole, chamfering, irregular graphics, flash products edge processing, make its edge take more hasten is perfect
7. DXF contrast measurement: directly to the workpiece compared with measured workpiece design drawings
8. Geometry elements of evaluation:
Basic geometry elements measurement and evaluation: point, line, plane, circle, ellipse, cylinder, cone
Relationship calculation of basic geometry: intersection, distance, symmetry, vertical and Angle
Evaluation of shape error: straightness, flatness, roundness and cylindricity
The evaluation of the error of position: parallelism, perpendicularity, inclination, coaxial degree (concentricity), symmetry
Degree, degree of position
9. the unification of the workpiece coordinate and machine coordinate system.
10. with parts model automatic knowledge take geometrical element characteristic function and automatic generation of test procedures.
11. with functions of reverse engineering measurement.
- 12 report output: product measurement result documents can go directly to EXCEL and make the results be clear at a glance
13. SPC statistical analysis: can calculate, CA CP and CPK, DRL, DRR, DR, MAX, MIN, AVG, RANGE, STD, and you can draw X - R diagram, and line charts, histograms, etc.

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Computer

Brand: Industry computer	
CPU: i5	
RAM: 8G	
Hard Disk: 240G SSD	
Monitor: 21.5 inch	

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Standard Configuration List

Models and Specifications	Quantity
ME300 host	1PC
SBK - CNC automatic measuring software version combination lock	1PC
SBK - CNC automatic version of the measuring software installation CD	1PC
Pixel correction block	1PC
Industry computer: Intel "I5 CPU, 2400 G SSD, 6 GB of memory, 21.5 inches LCD, DVD drive	1PC
Joystick	1PC
Instrument use manual	1PC
Software specification	1PC
Instrument factory certificate	1PC
Host power	1PC

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