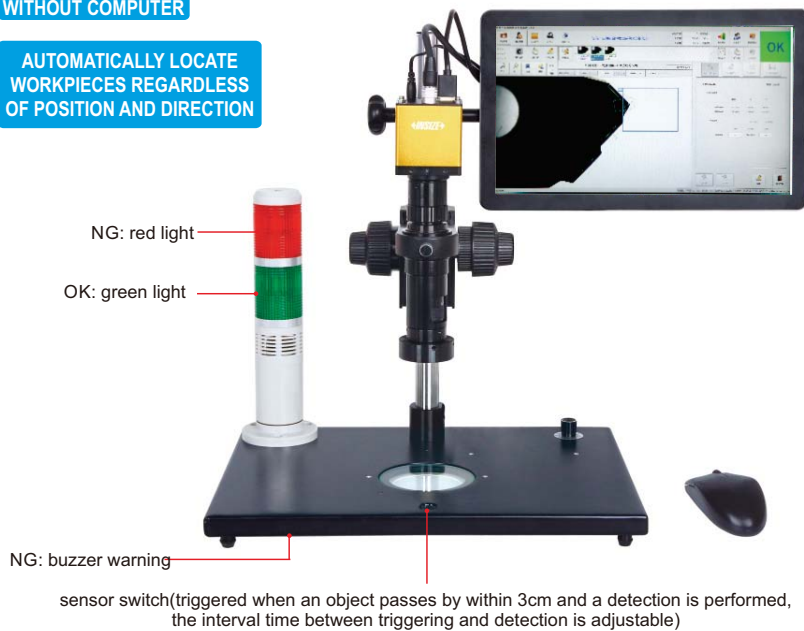


SMART MICROSCOPE CODE ISM-DL400**

BUILT-IN SOFTWARE
WITHOUT COMPUTER

AUTOMATICALLY LOCATE
WORKPIECES REGARDLESS
OF POSITION AND DIRECTION



- Automatically identify different workpieces
- Automatically locate workpieces regardless of position and direction
- Built-in software, PLC control input and output interface
- Including multiple detection tools
- Automatically calculate, store the test results and export to Excel

SPECIFICATION

Magnification	15X~100X
Resolution	1920×1080
Pixel	2M
Single pixel size	3.75×3.75μm
Frame rate	60fps
Sensor	1/2" CMOS
Chip structure	FPGA+ARM
Operating system	Linux 3.10
Power supply	power adapter and 220V, 50/60Hz
Dimension(L×W×H)	570×300×430mm
Weight	6.5kg

STANDARD DELIVERY

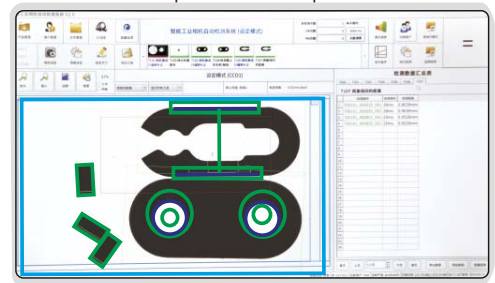
Main unit	1pc
0.5X camera adapter	1pc
1X auxiliary objective	1pc
Calibration plate	1pc
16G USB flash disk	1pc
White/black plate	1pc
HDMI cable	1pc
Power adapter	2pcs

** Add "-U" on code No. when power supply is 110V, 50/60Hz

camera function

- surface defect detection
- dimension measurement
- read barcode
- burr detection
- contour matching
- character recognition
- color detection
- read QR code
- object counting
- thread measurement

detect multiple different workpieces at one time



report showing the perform times of each tool, quantity of OK and NG, the report can be saved

report of each detection is automatically created and saved

MAGNIFICATION, FOCUS DISTANCE AND VIEW FIELD

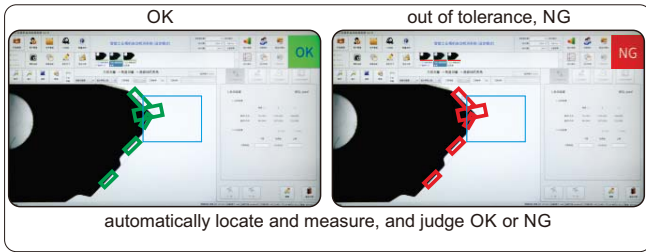
Auxiliary Objective	Specification	Camera adapter	
		0.5X(included)	1X(optional)
1X (included)	Magnification	15~100X	30~200X
	Focus distance	70±2mm	70±2mm
	View filed	16×11~2.5×1.6mm	7.8×5.3~1.2×0.8mm
2X (optional)	Magnification	30~200X	60~400X
	Focus distance	29±2mm	29±2mm
	View filed	7.8×5.3~1.2×0.8mm	3.8×2.7~0.6×0.4mm

OPTIONAL ACCESSORY

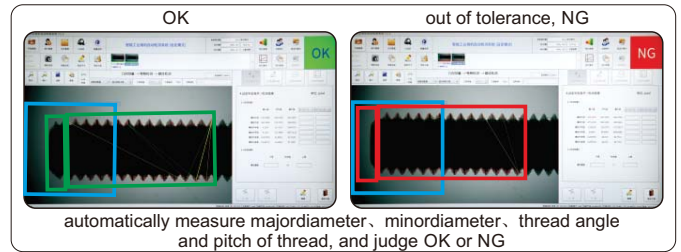
1X camera adapter	ISM-DL-CA1X
2X auxiliary objective	ISM-DL-OB2X
LED auxiliary lighting	ISM-DL-LED
Lens with coaxial light	ISM-DL-COAXIAL
Auxiliary Objective	page 460

APPLICATION EXAMPLES:

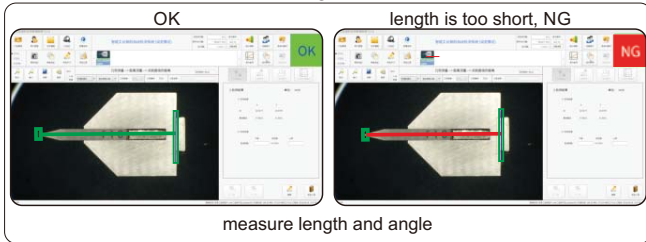
dimension measurement



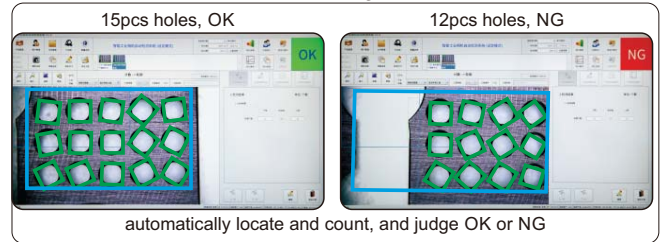
thread measurement



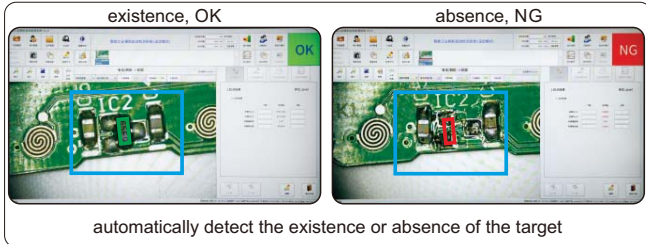
cutting tools measurement



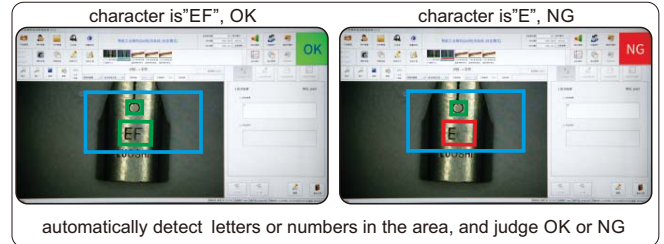
counting



existence or absence



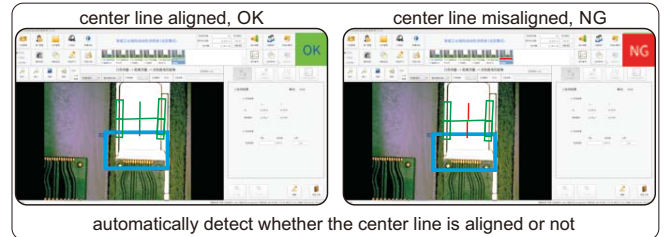
character recognition



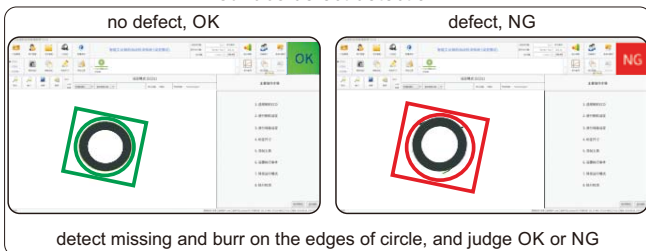
color detection



location detection



surface defect detection



glue detection

