

# CNC VISION MEASURING SYSTEMS (ADVANCED TYPE)



programmable segmented ring light (included)

HIGH-RESOLUTION  
AUTO ZOOM LENS

NAVIGATION  
CAMERA



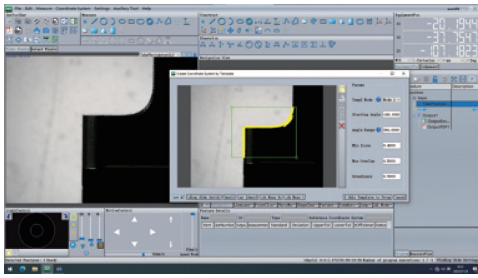
ISD-K432

- Motorized zoom objective
- Granite body, high accuracy and stability
- Panasonic servo control motor, with precise positioning performance in high-speed movement
- RSF brand linear scales

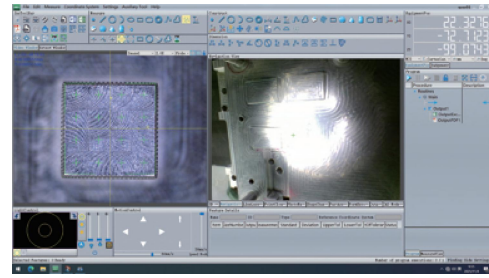
## SPECIFICATION

Code	ISD-K322	ISD-K432	ISD-K542
Measuring range (X×Y×Z)	300×200×200mm	400×300×200mm	500×400×200mm
Stage size	620×380mm	720×480mm	750×600mm
Glass stage size	360×260mm	460×360mm	550×450mm
Resolution of X/Y/Z axis	0.5μm		
Accuracy of X/Y axis	≤(1.8+L/200)μm (L is the measuring length in mm)		≤(2.3+L/200)μm (L is the measuring length in mm)
Repeatability	2μm		
Objective	0.6X~8.0X (13.3:1 continuous zoom ratio)		
Working distance	83mm		
View field (diagonal length)	0.81~10.72mm		
Magnification	27X~356X (on 23.8" monitor)		
Camera	1/1.2" color CCD, 2.3M pixel		
Max. height of workpiece	200mm		
Illumination	surface	coaxial light, five-ring eight-zone adjustable ring light	
	contour	adjustable LED light	
Operation system	Windows 10/11		
Max. weight of workpiece	35kg		
Drive method	automatic		
Environmental requirement	temperature: 20°C±5°C, relative humidity: 20%~80%, vibration: <0.002g, less than 15Hz		
Power supply	190~230V, 50Hz, 1500W		
Dimension (L×W×H)	620×780×1750mm	740×930×1750mm	900×1300×1800mm
Net weight	350kg	400kg	550kg

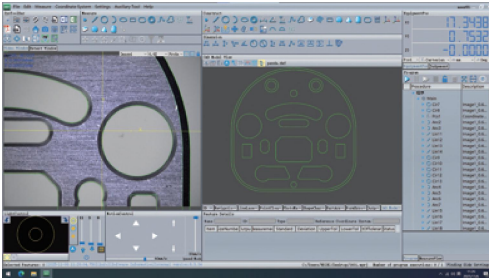




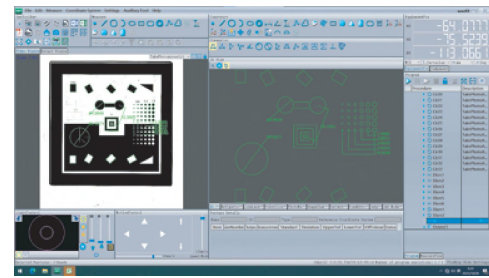
template assisted positioning function (included)  
when the program runs repeatedly, as long as the positioning feature appears within the field of view, automatic measurement will be performed



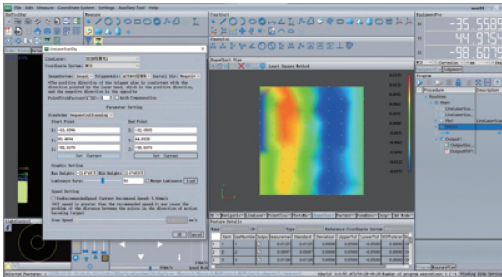
multi point autofocus function (included)  
a single autofocus operation acquires height information of multi points, enabling efficient height measurement and flatness measurement



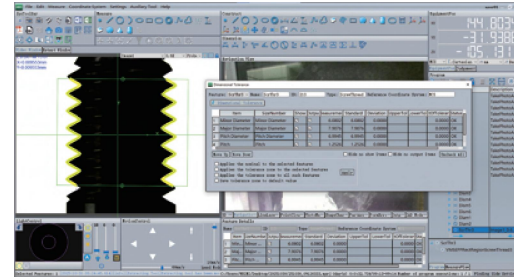
CAD import programming function (included)  
import CAD drawings for quick programming



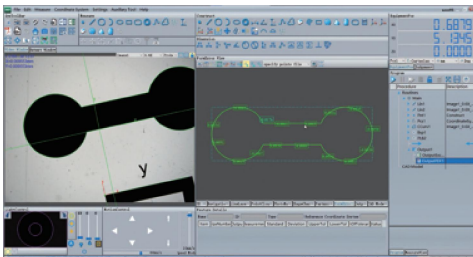
stitching software (optional)  
stitching measurement for workpieces out of the field of view



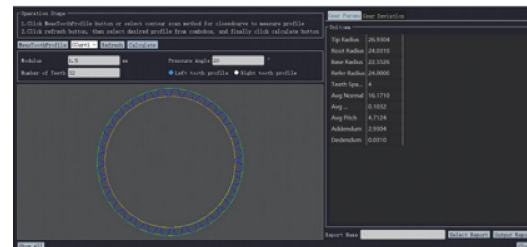
line laser sensor (optional)  
high measurement efficiency, capturing all point data along a line segment in a single scan



thread software (optional)  
capture thread images, extract features through edge detection and contour fitting algorithms, and calculate parameters



line profile software (optional)  
import the theoretical profile model and calculate the profile measurement results



gear software (optional)  
non-contact measurement technology based on optical imaging for detecting critical dimensions of gears