

MINI CNC CMM(SHOP FLOOR TYPE) CODE CMM-MN432

ATTENTION:
ROTATION OF PORBE
HEAD IS MANUAL

**ATTENTION: MEASUREMENT
ON THE LEFT SIDE OF
WORKPIECES IS LIMITED**

Can be used in shop floor, with the following features:

- Suitable for wide temperature range
- Water and oil resistance
- Compact design, small size
- Three sides open, easy to load and unload workpieces
- Without compress air
- Easy installation



CMM-MN432

FEATURES

- Integrated control system, safe, reliable and easy to operate
- High precision linear guide rail and ball screw for three axes

CONTROL SYSTEM(MADE IN GERMANY)

- Double computer control systems
- Driven by DC servo motor
- The control system supports communication with machine tools
- The control system has 12 buttons for customize

NET-DMIS SOFTEARE

- Can measure point, straight line, curve, circle, ellipse, plane, groove, cylinder, sphere, cone, ring, edge point, corner point, polygon, straightness, flatness, circularity, cylindricity, profile of a line, profile of a surface, perpendicularity, parallelism, angularity, coaxiality, concentricity, symmetry, position, composite position, circular runout, total runout
- Modular software structure, can support: temperature compensation, turning table, I/O interface
- Can program in offline mode and do virtual measurement based on CAD model, can extract the element features of CAD for programming
- Support dynamic point measurement and import DMO theoretical point coordinates for vector point measurement
- Can import and convert CAD model(SAT, IGES, STEP, STL)
- Can select multi language, metric and imperial, polar and straight coordinate system
- Have multiple export ways: export measured data (SAT, IGES, STEP), report windows (PDF, HTML, MHT, RTF, EXCEL, CSV, txt, images, WORD, etc.), custom EXCEL template
- Support uploading the measuring result to server

SPECIFICATION

Code	CMM-MN432***
Measuring range(X×Y×Z)	400×200×300mm
Resolution	0.1μm
Repeatability	1μm
Accuracy (L is measuring range in mm)	±(4.5+L/200)μm(15°C~30°C) ±(5.5+L/200)μm(10°C~40°C)
Probe error	±5μm
Temperature	10°C~40°C
Humidity	40~60%
Power	220V±10%, 50Hz
Max load	50kg
Dimension(L×W×H)	1270×1110×1630mm
Weight	280kg

STANDARD DELIVERY

Main unit		1pc
Probe system	Probe Head *	1pc
	Probe *	1pc
	Styli **	1kit
Calibration system	Datum sphere(Ø25mm)	1pc
	Pivot pillar	1pc
Computer system	Computer	1pc
	Printer	1pc
Software		1pc

PROBE(included) SPECIFICATION

Probe head	Angular movement with horizontal axis	0°~90° in 15 steps
	Angular movement with vertical axis	±180° in 15 steps
	Control mode	Manual
	Number of positions	168
	Probe mounting	M8
	Weight	210g
Probe	Detect direction	±X, ±Y, +Z
	Styli mounting	M2
	Rating life	>1000,000 times
	Weight	22g

EXTENSION(included) SPECIFICATION

Code	Material	Stem diameter	Length	Quantity
SE7	stainless steel	Ø3mm	5mm	1pc
SE4			10mm	1pc
SE5			20mm	1pc
SE6			30mm	1pc

STYLUS CENTER(included) SPECIFICATION

Code	Material	Center size	Effective working length	Quantity
SC2	stainless steel	7mm	7.5mm	1pc

STYLUS(included) SPECIFICATION

Code	Material	Ball diameter	Length	Stem diameter	Effective working length	Quantity
PS23R	ruby ball / titanium stem	SØ1mm	20mm	Ø0.7mm	7mm	1pc
PS2R		SØ2mm		Ø1.4mm	14mm	1pc
PS16R		SØ3mm		Ø1.5mm	17.5mm	1pc
PS17R		SØ4mm		Ø1.5mm	20mm	1pc
PS8R		SØ2mm	10mm	Ø1mm	6mm	4pcs
PS1R		SØ3mm		Ø1.5mm	7.5mm	1pc

*The probe head and probe are Renishaw brand
**The styli system include styli, stylus centers, extensions
*** Add “-U” on code NO. when power supply is 110V, 50/60Hz