

AI Function (patented in Japan and abroad) for Operation as Easy as Using Vernier Calipers!

XYZAX RVF-A

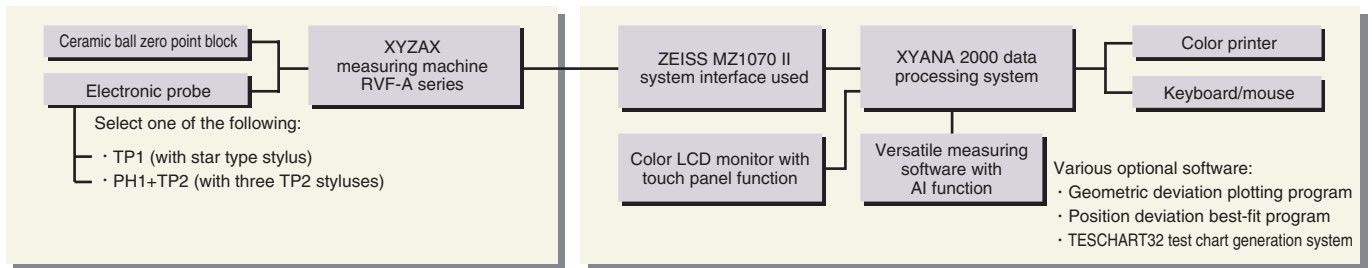
3D Coordinate Measuring Machines



ZEISS Technology and AI Functions Make Operation Surprisingly Easy



Basic Configuration



Features

ZEISS and ACCRETECH Technology

The MZ1070-II ZEISS controller has been combined with ACCRETECH hardware on this outstanding measuring machine.



Standard Color LCD Monitor with Touch Panel

(XYANA 2000)

All functions are displayed as color icons on the LCD monitor, enabling the machine to be operated by even a beginner. The mobile platform (option) allows the monitor to be easily moved to the measuring position.



3D Coordinate Measuring Machines

Guides on Both Sides for High Table Rigidity (patented)

The Y axis guides must be especially stable since this determines the measuring accuracy to a great extent. The sides of the table are precision finished and the guides on both sides of the table use a spring mechanism. This provides high rigidity and consistent measuring precision over an extended period.

Aluminum Alloy Minimizes Operator Fatigue

The X guide and Z axis are finished to a high level of straightness precision, and an aluminum alloy is used that has been undergone aging treatment and surface hardening treatment. This reduces the inertia when measurements are made due to the light weight, and in turn minimizes operator fatigue.



Knob Allows Smooth Slow Motion Feed

The adjustment knob for the X, Y and Z axes is located at an easy to operate location. The smooth slow-motion feed of 0.5 mm/revolution is especially effective for measurements when using a microscope or ITV camera.



Standard Terminate Switch on Z Axis (patent pending)

The measurement, terminate and intermediate point operation switches can be freely selected during operation. This enables continuous measurements without taking your hand off the Z axis.

Vertical Rack for Data Processing Unit (option)

This rack provides a compact housing for the computer.



Electronic Probes



TP1



PH1-TP2

Specifications

Model		XYZAX RVF-A			
		400A	600A	800A	1000A
Measuring range	X axis (mm)	400	600	800	800
	Y axis (mm)	350	500	600	1000
	Z axis (mm)	300	300	600	600
Min. display value (mm)		0.00001			
Measuring scale		Optical Linear Encoder			
Measuring accuracy	U1 (μm)	2.6+4.0L/1000	3.0+4.0L/1000	4.4+4.5L/1000	
	U3 (μm)	3.0+4.0L/1000	4.0+5.0L/1000	5.4+5.5L/1000	
Table	Material	Granite			
	Usage range (mm)	600 × 895	800 × 1045	1000 × 1250	1000 × 1750
	Height from floor (mm)	760			
	Flatness	JIS 1 class			
Workpiece measured	Max. height (mm)	450	450	750	750
	Max. load (kg)	300	400	600	800
Guide system		High rigidity air bearings			
Z axis probe weight		Can be changed from front in 200 g increments between 0 and 1 kg			
Air source	Supply pressure	0.4 – 0.69 MPa	0.4 – 0.69 MPa	0.5 – 0.69 MPa	
	Air consumption	40 Nℓ /min (atmospheric equivalent)			
Power source		AC 100 V ±10%, Consumption: 500 VA			
Dimensions: Width × Depth × Height (mm)		990 × 895 × 2105	1190 × 1045 × 2105	1490 × 1250 × 2705	1490 × 1750 × 2705
Machine weight (kg)		580	770	1200	1700