RONDCOM 44DX3

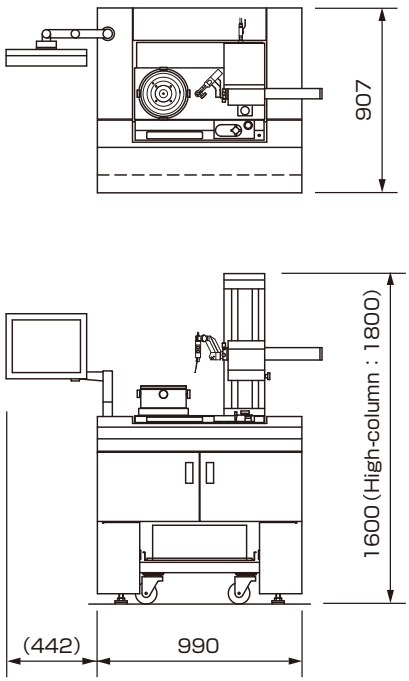
All-in-one Space-saving Configuration

More efficient measuring room operations due to the reduced footprint by about 25% (compared with previous ACCRETECH models).

- Compact, High-accuracy CNC Roundess Measuring Machine
- Rotation accuracy 0.02+3.7H/10,000μm
- New measument style with new consept
  Integrated Analysis Software ACCTee

RONDCOM 44DX3

RONDCOM 44DX3



Model		RONDCOM 44DX3	
			High-column
Measuring range	Max. measuring diameter	Outer diameterΦ300mm, Inner diameterΦ360mm	
	Left/right feed (R-axis)	180mm	
	Up/down feed (Z-axis)	300mm	500mm
	Max. load diameter	Φ580mm	
	Max. measuring height	Outer diameter 300mm Inner diameter 300mm	Outer diameter 500mm Inner diameter 500mm
	Max. measuring depth(Inside height)	150mm *	
Rotation accuracy	Radius direction JIS B 7451-1997	(0.02+3.7H/10,000)μm (H:Height from table surface to measuring point mm)	
	Axial direction JIS B 7451-1997	(0.02+3.7R/10,000)μm (R:Distance from table center of rotation mm)	
Straightness accuracy	Up/down direction (Z-axis)	0.11μm/100mm 0.17μm/290mm	0.11μm/100mm 0.23μm/490mm
	Radius direction (R-axis)	0.7μm/150mm	
Parallelism accuracy	Up/down direction (Z-axis)	0.7μm/290mm	1.04μm/490mm
	Radius direction (R-axis)	1.0μm/150mm	
Indication accuracy	Radius direction (R-axis)	(2+L/180)μm L:Driving distance (mm)	
Measuring speed	Rotation speed (θ-axis)	2～10/min (Driving speed:Max 20/min)	
	Up/down speed (Z-axis)	0.5～6mm/s (Driving speed:Max 50mm/s)	
	Radius speed (R-axis)	0.5～6mm/s (Driving speed:Max 25mm/s)	
Measuring range		±1000μm, ±200μm	
Dimensions and weight	Power source(voltage specification reqired)	Single phase:AC100～240V, 50/60Hz:grounding requied	
	Air source	Supply pressure:0.35～0.7MPa, Usage pressure:0.3MPa	
	Air consumption	30NL/min	
	Dimensions(W×D×H mm)	990×925×1600	990x925x1800
	Weight(kg)	500	510

*(There is restriction depending on the combination with stylus length, detectors and measuring diameter.)

RONDCOM 44SD3

Flexible Separate Type to Install

This manual machine delivers superior cost performance by the combination with exclusive options.

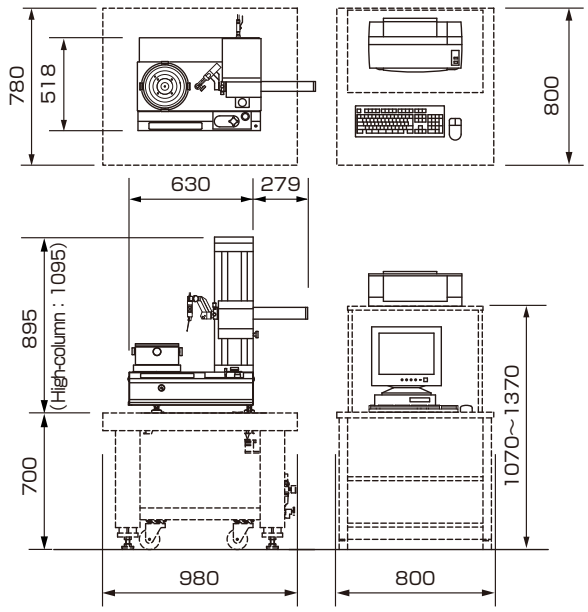
Upgradable to CNC Type Machines

Upgrading to CNC control is amazingly simple and involves no changes in installation space.

- Compact, High-accuracy Manual Type Roundess Measuring Machine
- Rotation accuracy 0.02+3.7H/10,000μm
- Integrated Analysis Software ACCTee

RONDCOM 44SD3
(Anti-vibration table, system rack and printer are options.)

RONDCOM 44SD3



Option Anti-vibration table:E:VS-R16B(H=700)
System Rack:E-DK-S24A

Model		RONDCOM 44SD3	
			High-column
Measuring range	Max. measuring diameter	Outer diameterΦ300mm, Inner diameterΦ360mm	
	Left/right feed (R-axis)	180mm	
	Up/down feed (Z-axis)	300mm	500mm
	Max. load diameter	Φ580mm	
	Max. measuring height	Outer diameter 300mm Inner diameter 300mm	Outer diameter 500mm Inner diameter 500mm
	Max. measuring depth(Inside height)	150mm *	
Rotation accuracy	Radius direction JIS B 7451-1997	(0.02+3.7H/10,000)μm (H:Height from table surface to measuring point mm)	
	Axial direction JIS B 7451-1997	(0.02+3.7R/10,000)μm (R:Distance from table center of rotation mm)	
Straightness accuracy	Up/down direction (Z-axis)	0.11μm/100mm 0.17μm/290mm	0.11μm/100mm 0.23μm/490mm
	Radius direction (R-axis)	0.7μm/150mm	
Parallelism accuracy	Up/down direction (Z-axis)	0.7μm/290mm	1.04μm/490mm
	Radius direction (R-axis)	1.0μm/150mm	
Indication accuracy	Radius direction (R-axis)	(2+L/180)μm L:Driving distance(mm)	
Measuring speed	Rotation speed (θ-axis)	2~10/min (Driving speed:Max 20/min)	
	Up/down speed (Z-axis)	0.5~6mm/s (Driving speed:Max 50mm/s)	
	Radius speed (R-axis)	0.5~6mm/s (Driving speed:Max 25mm/s)	
Measuring range		±1000μm, ±200μm	
Dimensions and weight	Power source(voltage specification reqired)	Single phase:AC100~240V, 50/60Hz:grounding requied	
	Air source	Supply pressure:0.35~0.7MPa, Usage pressure:0.3MPa	
	Air consumption	30NL/min	
	Dimensions(W×D×Hmm)	630×518×895	630×518×1095
	Weight(kg)	200	210

*(There is restriction depending on the combination with stylus length, detectors and measuring diameter.)