

Technical Specifications Roundtest manuell

Measuring instrument		RA 10	RA 120	RA 120P
System control		Integrated Display	Integrated Display	Software Roundpak
Rotary table		precision air bearing		
Rotational accuracy	Radial	(0,04+6H/10000) μ m		
Rotation speed		6 U/min		
Table diameter		140mm	150mm	
Centering / leveling		* optional with centering / leveling stage	Via menu by integrated display and Digimatic mounting bolt (DAT)	Via menu by software and Digimatic mounting bolt (DAT)
Centering range		* ± 3 mm	± 3 mm	
Leveling range		* $\pm 1^\circ$	$\pm 1^\circ$	
Max. workpiece mass		10 Kg	25 Kg	
Max. measurable diameter		100mm	280mm	
Max. workpiece diameter		380mm	440mm	
Vertical axis (Z column)				
Column moving range		117	280mm	
Height adjustment		via manual feed knob		
Max. measuring height	Outside / Inside	100	280mm	
Max. measuring depth		90	90mm	
Horizontal axis (X axis)				
Travel range		75mm	165mm	
X axis feed		via manual feed knob		
	Fine feed	electric		software
Scanning system				
Measuring force		7 to 10mN		
Stylus tip Carbide		ball \varnothing 1,6mm		
Measuring range		$\pm 1000\mu$ m		
Measuring direction		Inside / Outside / Above / Below		
Parameters				
		Roundness, evenness, rotation, coaxiality, concentricity,	Roundness, evenness, rotation, coaxiality, concentricity, rectangularity, axial true run, parallelism	Roundness, evenness, rotation, coaxiality, concentricity, rectangularity, axial true run, parallelism, harmonic analysis
Air pressure		0,39MPa		
Air consumption		45L/min		
Main unit mass		24Kg	42Kg	

