

Table rotating type  
CNC cylindrical profile measuring instrument



# RONDCOM NEX

Equipped with full new function and meets  
a need of machined parts high-accuracy measurement  
It is a top class high accuracy roundness cylindrical profile  
measuring instrument.

■ Top class rotation accuracy

Rotation accuracy (0.02 + 3.2 H/10000) μm

■ Full new function

- R axis following Z axis straightness measuring instrument  
Corresponded to taper measurement that even exceeds measuring range.
- Opposed diameter measuring function  
An exclusive function to measure inside and outside diameter with high accuracy.
- Spiral measurement function  
Spiral cylindricality measurable.



Specifications

Item		Model		RONDCOM NEX			
		DX		SD			
		High column				High column	
Measuring range	Max. measuring diameter	Φ 300 mm					
	Right/left feed range (R-axis)	180 mm					
	Up/down feed range (Z-axis)	300 mm	500 mm	300 mm	500 mm		
	Max. loading diameter	Φ 580 mm					
	Max. measuring height	300 mm	500 mm	300 mm	500 mm		
	Max. measuring depth (Throat height)	150 mm					
Rotation accuracy	Radial direction JIS B 7451-1997	(0.02 + 3.2 H/10,000) μm (H: Height from table top to measuring point mm)					
	Axial direction JIS B 7451-1997	(0.02 + 3.2 R/10,000) μm (R: Distance from table rotational center mm)					
Straightness accuracy	Up/down direction	Narrow range	0.10 μm/100 mm				
		Wide range	0.15 μm/300 mm	0.23 μm/500 mm	0.15 μm/300 mm	0.23 μm/500 mm	
	Radial direction (R-axis)	0.7 μm/180 mm					
Parallelism accuracy	Up/down direction (Z-axis)	0.7 μm/300 mm	1.0 μm/500 mm	0.7 μm/300 mm	1.0 μm/500 mm		
	Radial direction (R-axis)	1.0 μm/150 mm					
Measuring Speed	Rotational speed (θ-axis)	1 to 10/min (At moving: 20/min max.)					
	up/down speed (Z-axis)	0.5 to 10 mm/s (At moving: 60 mm/s max.)					
	Radial direction speed (R-axis)	0.5 to 10 mm/s (At moving: 30 mm/s max.)					
Rotary table	Table outside diameter	Φ 235 mm					
	Max. Load	30 kg					

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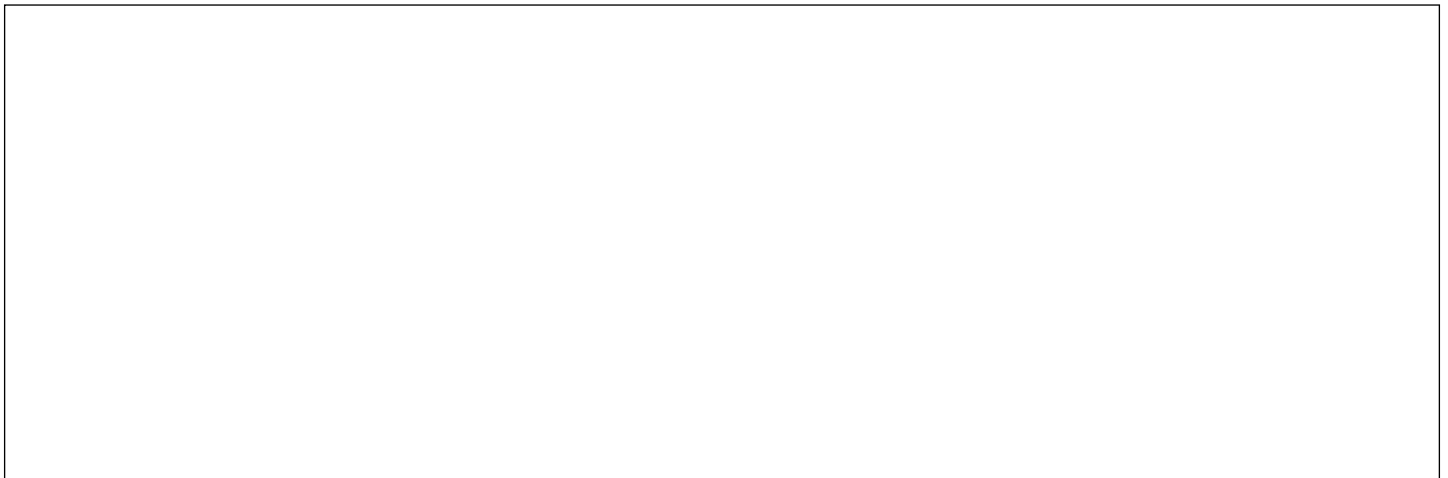
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