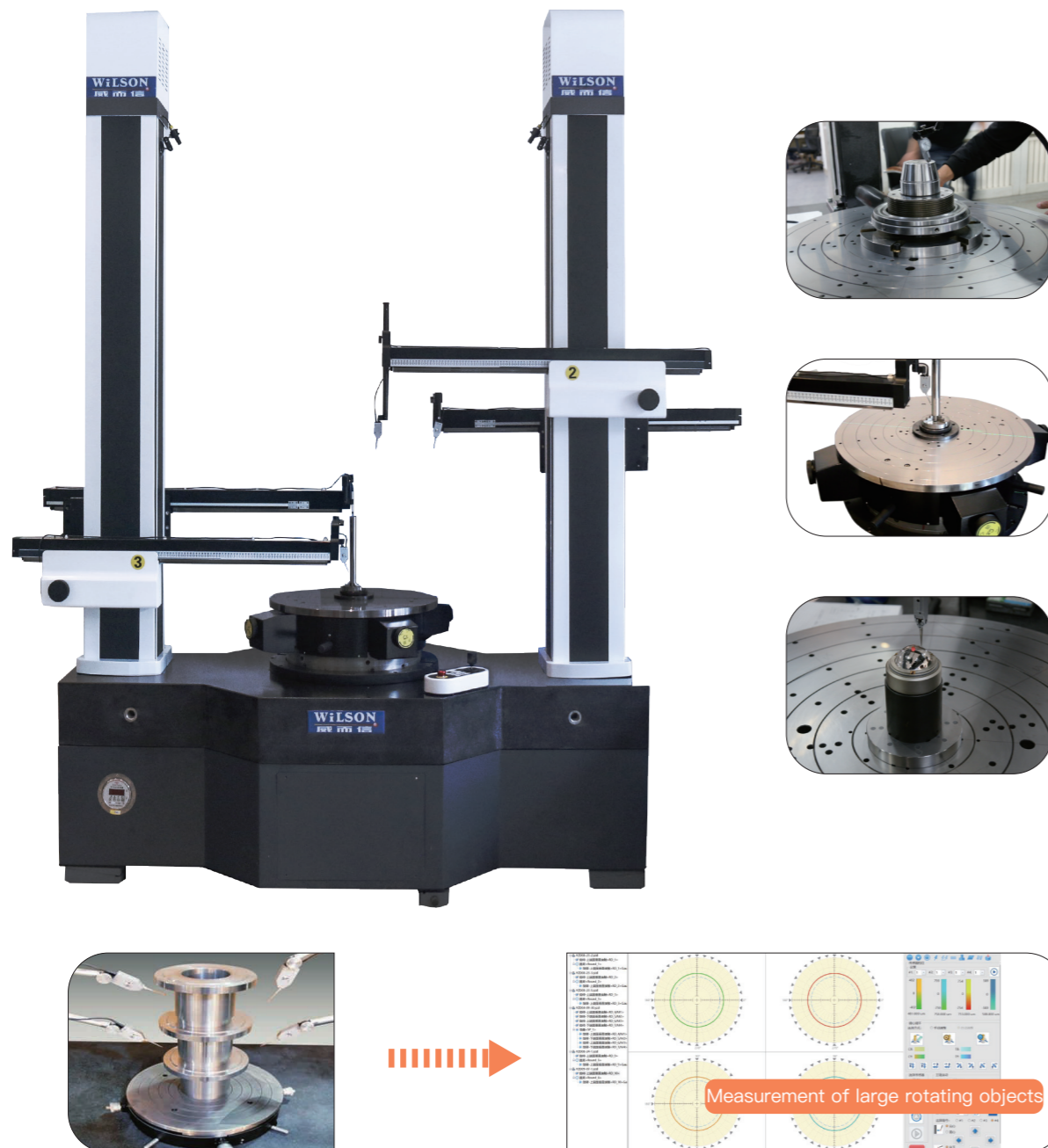


SK SERIES LARGE ROTARY PRECISION ASSEMBLY TURNTABLE

It is mainly used to detect the runout, extreme value position, concentricity, roundness, flatness, perpendicularity and coaxiality of aeroengine, ship engine and power station gas turbine casing, rotor, blade disc assembly, disc, shaft parts and rotating body parts.



PRINCIPLE

The high-precision air floating turntable is used as the measurement reference table to drive the measured rotary body to rotate uniformly at a fixed speed. At the same time, the high-precision sensor is used to synchronously measure the errors of different positions of the rotor and display them in real time. Finally, the computer software automatically analyzes and obtains the measurement results.

FUNCTION

- It can measure the runout, concentricity and other geometric tolerances of various casing, drum, disc, shaft and other parts;
- It can measure the parallelism, coaxiality, perpendicularity and other geometric tolerances of the part assembly datum during the assembly and commissioning of the rotary body assembly, and give the comprehensive eigenvalue of the rotary body assembly;
- Have the optimization algorithm to guide the assembly process of the revolving body assembly, so as to meet the measurement requirements for the optimal assembly of the revolving body assembly;

CUSTOMIZABLE PARTS

- Column
- Guide rail
- Spindle
- Software
- Workbench

TECHNICAL PARAMETER

Item	Parameter
Turntable diameter	500~2000mm
Rotary diameter of the measured workpiece	600~2400mm
Turntable bearing	100~2000Kg
Maximum measuring height	500~2500mm
Radial rotation error of shafting	$\leq 0.2\mu\text{m}$
Workbench runout	$\leq 10\mu\text{m}$ ($\phi 800$)
Workbench flatness	$\leq 8\mu\text{m}$ ($\phi 800$)
Centering and leveling workbench	Automatic/manual (optional)

PRODUCT CASE



01 MODEL: SK-RTA600

Type	Columnx4, Channelx4, Automatic adjustment
Worktable flatness	≤0.008mm
Spindle accuracy	± (0.125+3H/10000) μm *
Turntable diameter	600mm
Rotary diameter of turntable	≥φ1200mm
Turntable bearing	>800kg
gauge altitude	1500mm
Centering and leveling workbench	Automatic/manual (can be switched freely)

* H: Measure the height from the table The same below



04 MODEL: SK-2000

Type	Columnx1, Channelx2
Worktable flatness	≤0.008mm
Turntable diameter	800mm
Spindle accuracy	± (0.125+3H/10000) μm
Rotary diameter of turntable	≥1000mm
Turntable bearing	>1500kg
Maximum measuring height	>1500mm



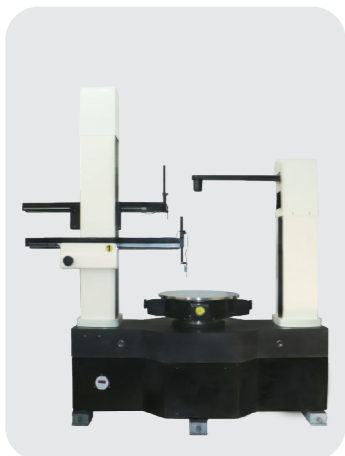
02 MODEL: SK-M-600

Type	Columnx2, Channelx4
Turntable diameter	1500mm
Rotary diameter of turntable	≥1800mm
Turntable bearing	>1500kg
Maximum measuring height	>1500mm



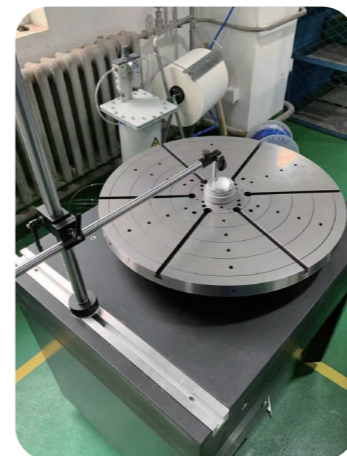
05 MODEL: SK-RT800

Type	Columnx1, Channelx2, manual adjustment
Worktable flatness	≤0.01mm
Spindle accuracy	± (0.125+3H/10000) μm
Turntable diameter	800mm
Rotary diameter of turntable	≥φ1000mm
Turntable bearing	>1600kg
Gauge altitude	1800mm



03 MODEL: SK-800

Type	Columnx1, Channelx2
Turntable diameter	600mm
Spindle accuracy	± (0.125+3H/10000) μm
Rotary diameter of the measured workpiece	≥φ1000mm
Turntable bearing	>150kg
Maximum measuring height	≥1500mm
Centering and leveling workbench	Automatic/manual (can be switched freely)



06 MODEL: SK-600

Turntable diameter	600mm
Spindle accuracy	± (0.125+3H/10000) μm
Rotary diameter of the measured workpiece	≥φ300mm
Turntable bearing	>150kg
Maximum measuring height	>1000mm
Table flatness	≤0.005mm