

INNOVATIVE TECHNOLOGIES

Ring Stiffness Tester

ToronRST Series

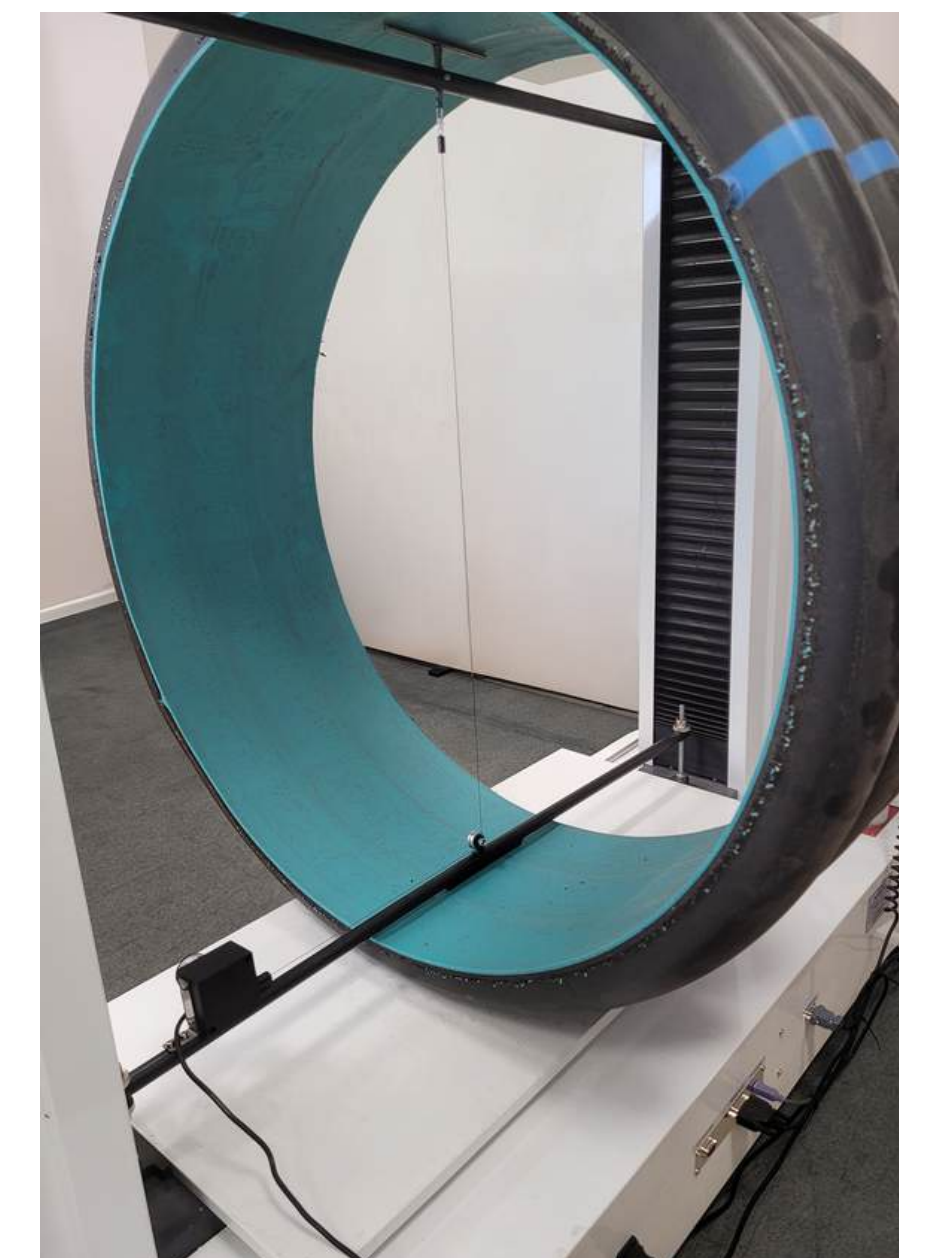
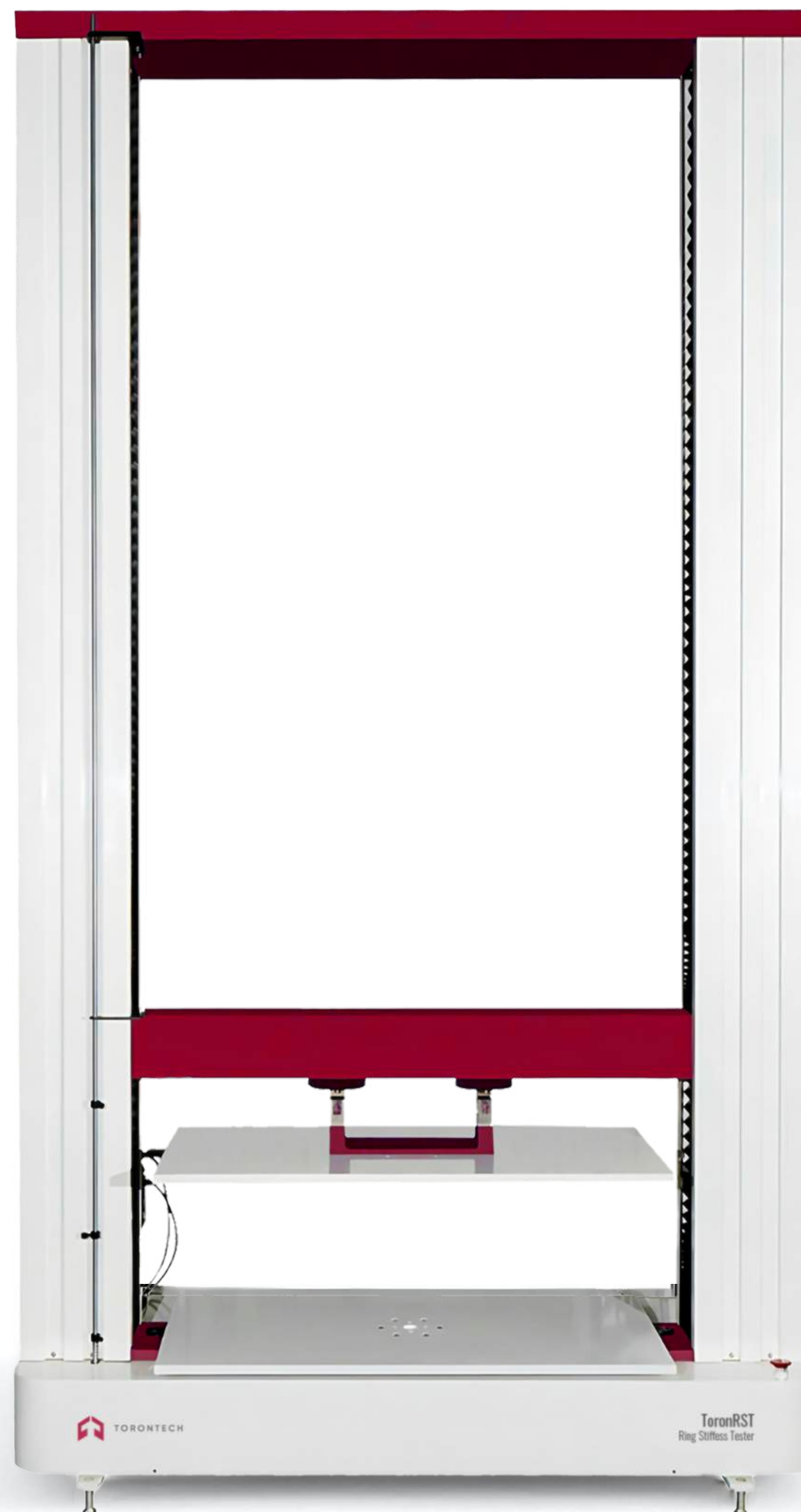


TORONTECH

Ring Stiffness Tester

ToronRST Series

The Ring Stiffness Tester is engineered to accurately measure ring stiffness, ring flexibility, and creep ratio, providing reliable data in line with ISO9967, ISO9969, and ISO13968 standards. Ideal for testing large-diameter pipes with sample capacities up to 3000 mm, this tester ensures precise results with advanced technological features.



FEATURES/ADVANTAGES

- **Accurate Deformation Measurement:** Features an inner diameter measuring device that continuously records changes, ensuring precise deformation tracking throughout the test.
- **Automated Load Application:** Applies test loads automatically with a high-rigidity double-column structure, providing consistent force distribution and reduced sensor strain.
- **Enhanced Load Stability:** Multiple load sensors in a bridge configuration improve deflection resistance for large pipes and reduce sensor deformation, ensuring accuracy under heavy loads.
- **Closed-Loop Servo Control:** Uses an advanced AC servo system to maintain accuracy and stability, delivering dependable results across various testing scenarios.
- **Modular Application Software:** PC-based software streamlines operations with easy updates, real-time calibration, and customizable, print-ready reports for detailed analysis.
- **Optional Creep Testing:** When paired with the XWW electric system, supports creep tests with integrated monitoring, data analysis, and report generation capabilities.


TECHNICAL SPECIFICATION

PARAMETERS	ToronRST-2000 Series	ToronRST-3000 Series
Max. Force	50KN / 100KN / 200KN	
Load Measuring Range	0.2–100% FS	
Error of Force	Within ±1%	
Error of Deflection	Within ±1%	
Resolution of Inner Diameter Measuring Device	0.01 mm	
Deflection Measuring Range	0–100% FS	
Testing Speeding	0.5–200 mm/min	
Error of Speed	Within ±1%	
Operating Method	PC Control	
Max. Span Between Two Columns	1000 mm	
Max. Outside Diameter	2000 mm	3000 mm
Max. Inner Diameter	1800 mm	2800 mm
Dimensions (L x D x H)	650 × 1360 × 3300 mm	650 × 1360 × 4300 mm
Voltage	220VAC, 50Hz, 2kVA (110V also available upon request)	



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