

AXIAL & RADIAL PLAY TEST MACHINE

PRODUCT DATASHEET



PRECISION AXIAL & RADIAL PLAY MEASUREMENT

The JRagrau Axial & Radial Play Test Machine is a servo-controlled computerized system designed for accurate measurement of axial and radial play under applied load. Equipped with high-resolution displacement sensing and graphical data output, it is suitable for laboratory and production testing of mechanical assemblies requiring precise play analysis.

KEY FEATURES

- Servo controlled computerized testing system
- High resolution axial and radial displacement measurement
- Graphical and tabular data output with report generation

APPLICATIONS

- Automotive component play testing
- Bearing and joint assembly evaluation
- Quality control and R&D laboratories

TECHNICAL SPECIFICATIONS

PARAMETER	METRIC (SI)
Type	Servo control computerized
Capacity	5 kN / 10 kN
Load Least Count	1 Newton
Maximum Travel	±5 mm
Displacement Least Count	1 Micron
Accuracy	0.5 % of reading
Measuring Parameters	Axial / Radial Play vs Load

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SYSTEM CONFIGURATION

- Rigid industrial test frame design
- Easy mounting of test components
- Designed for repeatable laboratory and production testing

Motor: Servo motor

Load Cell: JRagrau Make

Interface Unit: Embedded system – JRagrau Make

PC: HP, 1 TB HDD, 8 GB RAM

ELECTRICAL & SOFTWARE

LABEL	VALUE
Power Supply	220 V AC
Software	Windows based user friendly software
Testing Condition	Test performed without boot assembly