



# RESONANT TESTING SYSTEM FOR DYNAMIC BENDING APPLICATIONS

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www.WorldofTest.com



# Cracktronic Resonant Fatigue Testing Machine - High Capacity Fatigue Tester

## For Dynamic Bending Load Applications

Originally designed to precrack specimens for fracture mechanics, the current versions offer much more possibilities due to a modular concept:

- Bending up to 160 Nm
- Tension/Compression up to 8 kN
- Torsion

The kinematic conditions allow a pure bending moment between the gripping heads. An electromagnetic driven resonator, built as a rotary oscillator, creates an appropriate bending moment. Independent to the dynamic drive a static moment is possible to be applied to the specimen via a torsion rod.

## Technical data:

- Available with 70 Nm and 160 Nm Loading
- Tension/ Compression up to 8kN
- Operating Frequency: up to 300 Hz

## Product Option:

- Mounted Gripping Head for Torsion
- Charpy-Specimen with fixture for 'Hot-cell
- Precracking of small CT-specimen for 'Hot-cell
- Custom-tailored fixture for sheet metal with induction furnace (not visible)
- Custom-tailored fixture for sheet metal
- Valve needles



ADVANCED TESTING TECHNOLOGIES

USA | CANADA | UAE | GCC | EU | INDIA | APAC | AFRICA | LATIN AMERICA

## Connect with us

Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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