

THE AMERICAS DISTRIBUTOR OF COESFELD

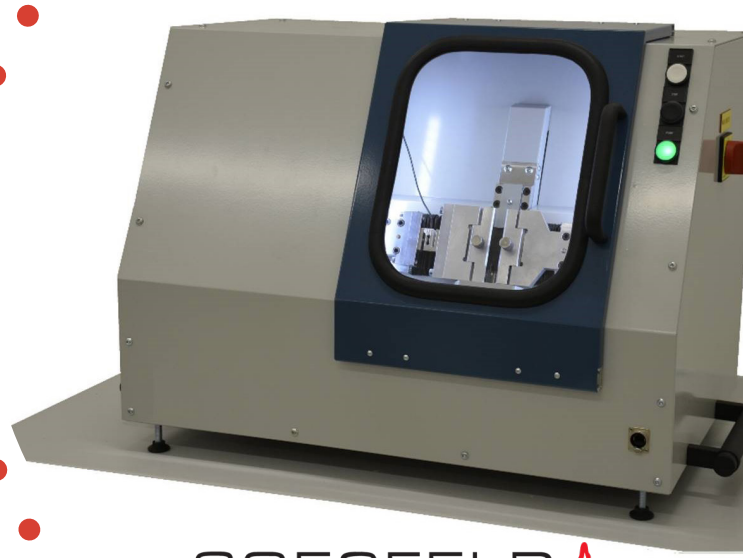
TESTING INSTRUMENTS

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Test Fatigue Performance in your own lab using Endurica protocols running on Coesfeld instruments. Our partnership with instrument producer Coesfeld GmbH & Co. KG offers you proven, fully supported testing systems that are specialized for engineering analysis of elastomer durability.

BENEFITS

- Fully automated test execution with high test productivity.
- High test reliability via built-in quality control and noise minimization strategies.
- Full compatibility with modern durability simulation codes Endurica CL™ and fe-safe/Rubber™.
- Easy-to-use, works-every-time test setup – take the guess-work out of specifying test conditions.
- Fully supported by the world's leading experts in elastomer durability and in testing instrumentation for the rubber industry.



COESFELD
MATERIAL TEST

Intrinsic Strength Analyser

- Measures cutting forces on an instrumented blade of controlled sharpness.
- Indicates the threshold fracture mechanical strength of a polymer network (i.e. the mechanical fatigue threshold) with a test that runs in an hour.
- Based on the Lake and Yeoh procedure.
- Intuitive operation. Automated control, data acquisition and reporting.
- Supported in the Americas by the world leaders in elastomer durability testing methods.

Endurica

Get Durability Right®



Tear & Fatigue Analyser

- Measures crack growth under dynamic loading cycles.
- Produces the crack growth rate curve as a function of applied tearing energy.
- Produces parameters for describing effects of strain-crystallization on crack growth.
- Includes protocols for both fully relaxing (R=0) and nonrelaxing (R>0) conditions.
- 50% less data scatter than prior art methods.

Instrumented Chip & Cut Analyser

- Measures chip and cut resistance of rubber compounds under cyclic impact loadings.
- Highly instrumented to enable control and measurement of forces and displacements during impact to mimic conditions experienced in demanding applications.
- The instrument can be also be operated in full contact mode as a friction and wear measurement device.

C-SUITE INSIGHTS

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PLUG AND PLAY

Go with the solution that works right out of the box and integrates with your CAE workflows.

HIGH PRODUCTIVITY

Traditional open-duration fatigue tests mean lack of control over testing schedule. Use our finitely-scoped methods to take back control of your testing schedule.

LOW NOISE

Endurica testing methods significantly reduce scatter and get more reliable data.

AUTOMATE YOUR TESTING

Free up lab techs with fully automated test execution.

QUALITY

Go with the global market leader for vision-based crack growth testing systems: Coesfeld.

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