

Press Release

Xpander: a revolution for Dynamic Mechanical Analysis!

October 2016

Contact Presse

Acoem / Metravib
stephanie.gonin-briand@acoem.com



METRAVIB, a specialist in Dynamic Mechanical Analysis (DMA), is proud to present Xpander. Used in association with a METRAVIB DMA instrument, Xpander enables DMA test campaigns on a large number of specimens to be entirely automated.

Dynamic Mechanical Analysis serves to characterize the viscoelastic properties of materials (rubber and polymers) to an extremely high level of accuracy. In particular, it is the most accurate technique available to determine the glass transition of these materials (TG).

Such properties are central to the performance and functional properties of manufactured products. It is essential to measure such properties in order to comply with new regulations.

The diversity of formulations used and varied sourcing of raw materials means that laboratories must conduct increasing numbers of tests.

As a pioneer in the automation of dynamic testing, METRAVIB has been supplying the leaders of the rubber and tire industries with robotic dynamic mechanical analyzers for more than 15 years.



Now, METRAVIB confirms its position as a leader in this field. Xpander has been designed to significantly increase the number of tests performed by DMA instruments in various test modes: compression, tension and shear. Tests are performed around the clock and no longer require the presence of an operator.

Xpander's flexibility makes possible to accommodate with material specimens of various shapes and sizes. The specimen handling automation targeted since the original design of DMA+ series ensures keeping high performance in their robotic mode.

In addition to a high test throughput, Xpander also offers several other advantages:

- Reduced labor costs
- Improved accuracy and uniformity of results
- Elimination of human error
- Improved operator safety.

With Xpander, METRAVIB offers automated Dynamic Mechanical Analysis instruments with configurations suitable for R&D, industrial testing and quality control departments.



Hugues BAURIER
Worldwide Sales Manager

“

Xpander and the new DMA+ range have been designed taking account of industrial expectations in terms of accuracy, performance, productivity and ergonomics, as expressed by worldwide leaders in the rubber and polymers sector.

”

At Acoem, we create environments of possibility – helping organizations find the right balance between progress and preservation – safeguarding businesses and assets, and maximizing opportunities while conserving the planet's resources. We deliver unrivaled, interoperable AI-powered sensors and ecosystems that empower our customers to make enlightened decisions based on accurate information.

Together with 220 distributors, our 850+ employees work across 28 offices, 6 manufacturing facilities and 5 R&D centers in 9 countries – to provide trusted, holistic data solutions for our customers worldwide.

Acoem links possibilities with protection.

