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Waters Corporation announces launch of ARES-G3Ã¢â??Â¢ Rheometer

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Operates with fewer calibrations and superior atmosphere and temperature control

US-based Waters Corporation has launched the ARES-G3™ Rheometer, part of the TA Instruments product line. This next-generation rheometer delivers industry-leading speed paired with best-in-class data to accelerate materials research and product development.

Capturing up to 25,000 data points per second (10x more than its predecessor) and cutting standard test times by up to 80% through fully integrated Fast Frequency Chirps, the ARES-G3 Rheometer addresses pressing industry limitations.

As scientists and materials innovators pursue a deeper understanding of complex material behavior, this product unlocks new capabilities and outcomes across polymer and composites development, liquid and semi-liquid coatings, and fundamental research.

The ARES-G3 Rheometer enables shortened experiment times, increased lab throughput, and previously unobtainable measurements of fast-changing samples in a single test. Because it fully integrates a Fast Frequency Chirps solution into its enhanced TRIOS™ Software, the ARES-G3 Rheometer eliminates the need for multiple software licenses and training in advanced programming packages to capture and process data through rapid frequency sweeps.

Routine quality control tests and data generation can also be completed up to 80% faster than before with some tests reduced from six hours to one; this translates to accelerated workflows that save teams hundreds of workdays per year under typical conditions, without sacrificing data quality. The ARES-G3 Rheometer can also perform many tests without requiring user

calibrations, reducing margin for human error and increasing confidence in measurements.