



FOR IMMEDIATE RELEASE

Battery Show North America 2024 Booth #222

Marposs Demonstrates LT400 System for Functional Test of Electric Components

Detroit, Mich., October 7, 2024 -- At the Battery Show in Detroit in booth #222, Marposs, a global leader in measurement, inspection and test technologies, will be demonstrating its LT400 system, a laboratory windings quality analyzer system designed to perform partial discharge measurements on components such as coils, motors, generators, etc. With the LT400, companies can perform standard high voltage tests (AC and Pulse) with PD measurements allowing the discovery of defects not detectable with standard tests.

The LT400 integrates numerous tests into one solution including:

- AC High Pot Test 50-60Hz with Partial Discharge measure (EN60270)
- AC Scanning PDIV-PDEV tests
- Pulse Partial Discharge Test (EN60034-18-41)
- Pulse Scanning RPDIV Test
- Surge Test with PD
- Insulation Resistance Test
- DC High Pot Test

For use in the laboratory and quality departments, the LT400 allows:

- Selection of materials (wires, insulators, phase separator, etc.)
- Determination of the life cycle of the product under test before it starts to show a permanent degradation of the quality of the insulators.
- Definition of production process (impregnation resin, temperature)
- Definition of limits of PD value to set in EOL Test for stator and motor.

Main advantages of the LT400 include the fact that it uses the e.d.c. partial discharge detection, which is based on capacitor coupling technology. As compared to antenna-type method the capacitor coupling technique is less sensitive to external noise and, therefore, more suitable for applications in the production area. It can also be applied to detect partial discharge in materials like wires and insulation paper.

The LT400 uses the same software as the [in-line](#) systems, making it easier to correlate the laboratory results with those from the production line. It is also possible to combine and configure several tests in the same inspection cycle making it possible to use one product to accomplish what normally requires

For information: **Marposs Corporation**
3300 Cross Creek Parkway - Auburn Hills, MI 48326 – phone: (248) 370-0404
www.marposs.com

several different instruments.

You can visit the Marposs website for more on its [quality solutions for electric motors](http://www.marposs.com) or by contacting Marposs toll-free at 1-888-627-7677 or by e-mail to marposs@us.marposs.com.

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Marposs will demonstrate its LT400 system for functional testing of components used in electric motor systems.

ABOUT MARPOSS

Marposs, founded in 1952, has distinguished itself by supplying advanced solutions that improve quality and productivity while reducing manufacturing costs through technologies such as process control, machine tool monitoring and precision gauging, as well as leak testing and automated assembly and control lines. A long-time key supplier to the automotive and aerospace markets, Marposs' growth strategy includes the acquisition of high-quality companies that offer innovative products complementary to its portfolio, enabling penetration into new market sectors. The Group currently has over 3700 employees worldwide and is present in 25 countries through more than 80 offices. www.marposs.com

CONTACT INFO

Silvia DiNicola
Marposs Corporation
3300 Cross Creek Parkway
Auburn Hills, MI 48326
silvia.dinicola@us.marposs.com
248-370-0404