

MICROTEST GROUP PRESENTS DS6 PULSAR AT SEMICON TAIWAN 2024

The new device developed by the subsidiary IpTEST improves the efficiency of power chips production in the automotive industry and Wide Band Gap (WBG) materials.

Altopascio (LU), September 4, 2024 – **Microtest Group**, a European leader in the development of test systems and microchip testing on packages and silicon wafers, **presents at SEMICON Taiwan 2024**, premier microelectronics event in the country, **the new Dynamic Switch Tester DS6 Pulsar**, developed by the British subsidiary ipTEST.

The DS6 Pulsar is intended, among others, for the electric vehicle automotive industry, particularly for stress test applications, power semiconductor manufacturers, and developers of Wide Band Gap (WBG) materials such as silicon carbide (SiC) and gallium nitride (GaN), which are increasingly important in the ecological transition. **It aims to make power chip production more efficient.**

In the current rapidly evolving technological context, high-power devices must meet the latest reliability and performance standards. An evolution of the previous model, the DS6 Pulsar performs tests with current and voltage values 2.5 times higher than the existing standard and with minimal parasitic inductance, establishing itself as **the most advanced tool on the market for switching speed**. It also ensures compliance with industry test standards, such as AEC-Q101 and AQG 324.

Thus, Microtest Group presents at SEMICON a cutting-edge tool for short-circuit tests, crucial for ensuring the safe operation of components even under extreme conditions, **with a performance improvement of over 250%.**

The DS6 Pulsar includes an **advanced overcurrent protection technology developed by the ipTEST subsidiary** (ipTEST SocketSafe™) that quickly isolates the device from the system in case of failure, protecting both and maintaining the integrity of the test process. This reduces the need for repairs and ensures long-term reliability with **cost savings on maintenance.**

It also supports various types of tests on a single interface board, enabling quick reconfiguration for different types of devices and handlers, allowing efficient use on different production lines.

For more info on the DS6 Pulsar please visit: <https://www.ipctest.com/dynamicswitching>

ipTEST

ipTEST is a global leader in the development and manufacture of high-volume production test systems for power semiconductors. With over 30 years of expertise, we offer innovative testing solutions for devices such as MOSFETs, IGBTs, SiC, and GaN, ensuring reliability and efficiency at every stage of semiconductor manufacturing. Our product lineup includes advanced systems designed for comprehensive static, avalanche, die attach, and dynamic switching tests. Committed to quality and continuous improvement, ipTEST serves major integrated device manufacturers worldwide, maintaining high quality standards and continued customer satisfaction. <https://www.ipctest.com/>

Microtest

Founded in 1999 in Altopascio (Lucca) by three founding partners (Giuseppe Amelio, Moreno Lupi, Francesco Cantini), Microtest has become a technological partner for some of the world's microchip leaders, developing innovative solutions thanks to a solid team of engineers and flexible production capabilities. With the start of Automatic Test Equipment (systems used in the electronic production sector to test components and systems after manufacture, also used in avionics, automotive electronics, and military applications such as radar and wireless communications) production in 2004, Microtest reached a key milestone, expanding its service offering to include the "test house" segment, reinforced by a direct presence in the Far East with a site in Malaysia. In April 2022, Xenon Private Equity acquired a majority stake in Microtest, boosting its international expansion strategy. Over the years, Microtest has grown to exceed €58 million in revenue in 2023, with an EBITDA margin above 34%. In 2023, Microtest first acquired Dutch company Test Inspire, an innovator in designing and marketing semiconductor test measurement systems, and then Italian company GEDEC, specializing in designing electronic systems and integrated circuits. In 2023, Microtest successfully completed a full takeover of Dutch company RoodMicrotec, listed on the Amsterdam Stock Exchange and active in the German market. In 2024, it acquired British company ipTEST. www.microtest.net

For further information:

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