THE MICROTEST GROUP SIMPLIFIES WBG SEMICONDUCTOR TESTING FOR LABS AND ENGINEERS: INTRODUCING THE PLUG-AND-PLAY QUASAR^{200} AND PULSAR^{600}

The Microtest Group launches Quasar^{200} and Pulsar^{600} to support research into Wide Bandgap (WBG) semiconductors and the development of new products, particularly in the automotive industry.

The platforms are designed in the laboratories of its UK-based subsidiary, ipTEST.

Guildford, UK, 16 October 2025 – The **Microtest Group**, Europe's leading manufacturer of test systems and testing of chips on packages and silicon wafers, announces the launch of two turnkey platforms for power device characterization: **Quasar^{200}and Pulsar^{600}.** These systems mark a significant advancement in WBG semiconductor research and product development, especially in the **automotive sector**.

Developed by **ipTEST**, Microtest's UK subsidiary and a global leader in high-volume power semiconductor testing systems, the two platforms **set a new benchmark in precision testing**. They assess the ability of devices to **handle high currents and voltages safely and efficiently**.

Quasar^{200}and Pulsar^{600} are designed for two key communities in the sector: **academic researchers** and **engineers developing new semiconductor products**. With a plug-and-play approach, they simplify experimental workflows by eliminating the need for custom equipment and reducing manual operations such as soldering and complex test setups. This enables users to obtain accurate, publication-ready results with traceable precision. Their reliability **speeds up datasheet generation**, facilitates correlation with production testers, and ensures safe validation of next-generation devices.

Quasar^{200} is suitable for evaluating Si (silicon), GaN (gallium nitride), and SiC (silicon carbide) devices. It delivers fast and accurate DC/AC measurements with minimal parasitic inductance. Its counterpart, **Pulsar^{600}**, extends these capabilities to ultra-high current applications, ideal for testing SiC inverters and automotive systems, supporting short-circuit tests up to 1,000 A DC and 10,000 A+ AC.

Both platforms offer up to ±0.1% measurement accuracy across all voltage and current waveforms, with typical parasitic inductance below 30 nH in AC tests. UKAS (United Kingdom Accreditation Service)-traceable calibration and comprehensive audit logs ensure reliability, consistency, and compliance from lab benches to production lines.

"We're proud to introduce Quasar^{200} and Pulsar^{600} as new benchmark points for power device characterization," said **Nick Dajda**, Sales and Marketing Director at ipTEST. *"These systems provide the speed, accuracy, and reproducibility needed to quickly obtain proven results - whether developing the next generation of power devices in the lab or creating datasheets for new power products."*

From a safety perspective, **ipTEST's SocketSafe™ technology** and a fully enclosed test environment with interlocked access protect both operators and hardware - crucial during high-stress or destructive testing. This **safeguards investments**, maximizes uptime, and ensures peace of mind when pushing devices to their performance limits.

Finally, **low-inductance test sockets** - connectors designed to minimize inductance and avoid interference with critical measurements - and a **modular design** make it easy to evaluate and configure both packaged and bare die samples, streamlining setup and reducing complexity.

More information about the product is available at the following link: Quasar[200] and Pulsar[600].

The Microtest Group

Founded in 1999 in Altopascio (Lucca, Italy), Microtest has grown from the vision of its three founding partners into a global technology partner for the semiconductor ecosystem. Over the years, the Group has expanded from its origins in Test Services to also become a provider of best-in-class Automatic Test Equipment (ATE), serving strategic and high-tech sectors including automotive, industrial, power, sensors, healthcare, defence, consumer and AI.

With more than 25 years of experience in high parallelism, advanced performance, and pioneering automation, Microtest supports leading microchip designers and manufacturers worldwide in optimizing operations and reducing testing costs.

The Group has strengthened its global footprint through strategic acquisitions, including Test Inspire, Gedec, RoodMicrotec, ipTEST, and FocusedTest, consolidating its presence across Europe, the UK, the US, Malaysia and beyond.

Headquartered in Italy with global support, Microtest remains committed to innovation, service, and quality, continuing to shape the future of semiconductor testing.

www.microtest.net

About ipTEST

ipTEST, part of the Microtest global group, is a leader in parametric power measurement and test systems. With more than 35 years of experience, the company delivers fast, accurate, and rugged solutions trusted by semiconductor manufacturers and researchers worldwide. From characterization labs to high-volume production lines, ipTEST systems are engineered for flexibility, precision, and safety.

For further information
COMMUNITY REPUTATION ADVISER
Giuliano Pasini – giuliano.pasini@community.it
Caterina Conserva – caterina.conserva@community.it – 3665612375
Claudia Laria – claudia.laria@community.it - 335 790 4158