Jena, 3rd November 2026

Press Release

Turnkey assembly tester for boundary scan, programming and high-current applications

GÖPEL electronic presents the BARCUDA VP230 PowerBlade test solution for demanding electronics manufacturing environments

In modern electronics manufacturing, there is a growing demand for high-performance, turnkey solutions for the programming, testing and commissioning of PCBA assemblies. Particularly in sectors such as artificial intelligence, aerospace and the automotive industry, increasingly powerful PCBAs are being used, the validation of which requires feature-rich test sequences, high supply currents and comprehensive functional tests.



The new BARCUDA VP230 PowerBlade production tester from GÖPEL electronic combines programming, boundary-scan testing, functional test procedures and high-current power supply in a turnkey system, thereby enabling efficient quality assurance for sophisticated electronic assemblies. The BARCUDA product series is based on GÖPEL electronic's boundary-scan technologies and offers a flexible solution for test and programming applications. In addition to

Press Contact:
GÖPEL electronic GmbH
Stefan Böttinger
Göschwitzer Straße 58/60
07745 Jena

Tel.: +49 (0)3641-6896-741
Fax: +49 (0)3641-6896-944
E-Mail: presse@goepel.com
Internet: www.goepel.com

embedded JTAG technologies, digital and analogue test functions can be implemented, as can customised hardware solutions. This makes the system suitable for both standard applications and highly specialised production and validation tasks.

The BARCUDA VP230 PowerBlade comes as standard with the tried-and-tested, robust G12 adapter interface from Virginia Panel (VPC). This gives users freedom in choosing their adapter supplier and allows them to flexibly meet individual mechanical requirements. A key feature of the system is its integrated high-current power supply. Specifically for applications in the AI sector and other power-intensive areas of electronics, the BARCUDA VP230 PowerBlade can supply PCBAs directly within the adapter system with currents of up to 60 A. This enables even high-performance computing modules, accelerator cards or complex embedded systems to be tested and programmed under realistic operating conditions. A fully integrated pneumatic unit is available as an option for demanding functional tests. This enables the control of up to 16 actuators within the test adapter and supports automated test programs involving moving elements, switches, contacts or mechanical stimuli.

The system is complemented by the SCANFLEX II controller for managing complex test sequences, as well as by measurement cards for analogue voltages and digital inputs and outputs. The system thus covers the entire test process, from programming through to the final functional test, within a single test environment. During development, particular attention was paid to operational safety and health and safety at work. Particularly in applications involving high currents and pneumatically actuated components, such comprehensive safety mechanisms are significant in ensuring safe and reliable operation in a production environment.

Usability has also been systematically designed to meet the requirements of modern manufacturing. A redesigned user interface supports production staff in carrying out test procedures and reduces the need for training. Furthermore, the system can be seamlessly integrated into existing MES and database systems, thereby ensuring end-to-end traceability of production and test results.

Press Contact:
GÖPEL electronic GmbH
Stefan Böttinger
Göschwitzer Straße 58/60
07745 Jena

Tel.: +49 (0)3641-6896-741
Fax: +49 (0)3641-6896-944
E-Mail: presse@goepel.com
Internet: www.goepel.com

Jena, 3rd November 2026

With the BARCUDA VP230 PowerBlade, users have access to a flexible and high-performance platform that has been specifically developed for complex electronic assemblies and demanding test requirements.

About GÖPEL electronic

GÖPEL electronic develops and manufactures innovative electrical and optical test, measurement, and inspection equipment for electronic components and printed circuit board assemblies as well as industrial and automotive electronics systems. GÖPEL electronic has four business units:
- Automotive Test Solutions
- Embedded JTAG Solutions
- Inspection Solutions AOI-AXI-SPI-IVS
- Industrial Function Test

The company is active worldwide, with its own subsidiaries as well as through distributors, and generated sales of approximately 40 million euros in 2023 with 240 employees.
Further information: www.goepel.com/en

Press Contact:
GÖPEL electronic GmbH
Stefan Böttinger
Göschwitzer Straße 58/60
07745 Jena

Tel.: +49 (0)3641-6896-741
Fax: +49 (0)3641-6896-944
E-Mail: presse@goepel.com
Internet: www.goepel.com