

NEUMONDA Technology Completes Prototype of its Revolutionary IC and DRAM Test Board

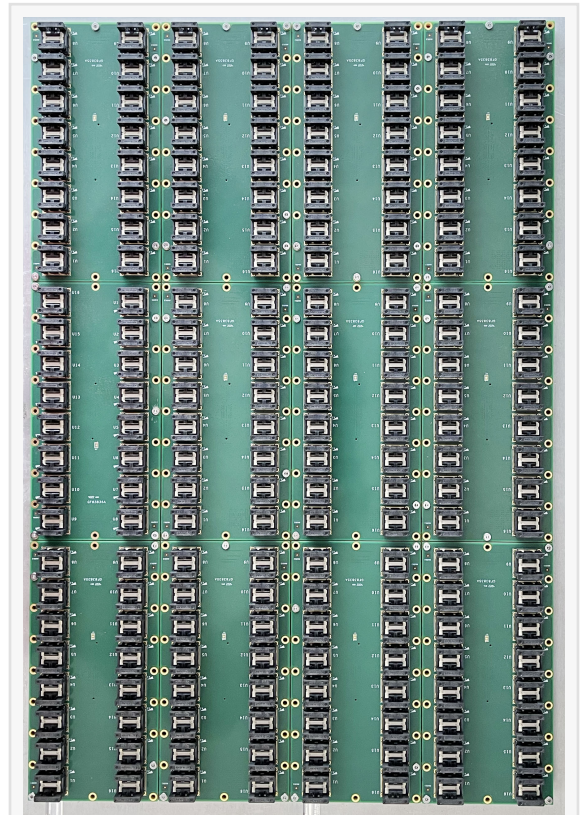
Solving one of the industry's biggest pain points with a lightweight, low-power, low-cost test board for industrial uses and environments

OBERURSEL, GERMANY, March 22, 2023

/EINPresswire.com/ -- NEUMONDA Technology, the IP and innovation arm of the NEUMONDA Group, has successfully completed the first prototype of its revolutionary new IC and DRAM test board. Visitors of embedded world 2023 got a preview of the new Rhinoe Tester which will dramatically lower the efforts of DRAM testing.

Qualification and testing of semiconductor components is one of the most expensive and complicated parts in the manufacturing of memory ICs. Due to the size, complexity and costs of the equipment, only few companies can afford to implement test capabilities. And those who do, need to test high volumes to recoup the investment, which means that test times need to be short and smaller volume customer requirements cannot be served. However, there are errors in DRAM technology that only arise in longer run times, like for example variable retention time induced fails or signal integrity issues. Testing for several hours or even days can eliminate the risk of costly recalls of failing memories once they are widely deployed.

To solve these pain points, Neumonda Technology was founded in 2021 and has since worked on the development of this test board. The new Rhinoe tester combines the sturdiness of rugged industrial applications with German engineering know-how. It is significantly smaller than any other test equipment in the market, taking up only a quarter of a square meter, the weight and investment requirements are about 1000 times lower compared to traditional testers, and it requires about 100 times less energy to operate it.



The new lightweight, low-power and low-cost Rhinoe Tester from Neumonda Technology

“We don't test in the conventional sense,” explained Peter Pöchmüller, CEO of Neumonda and Neumonda Technology. “We put memory ICs through their paces in real life conditions. We simulate the application and are able to predict much more accurately how well a memory will do in that target system. We look at the tested component from a customer application point of view! No one else can do that today, that's unique. We also do not require any wafer supplier-related IP or proprietary test modes.”

With the new Rhinoe Tester, Neumonda Technology will develop new DRAM memories that are qualified for the most demanding requirements, and also for smaller volume customers. In a next step, Neumonda Technology will expand the board to test Low Power DRAMs and flash memories.

About NEUMONDA Technology

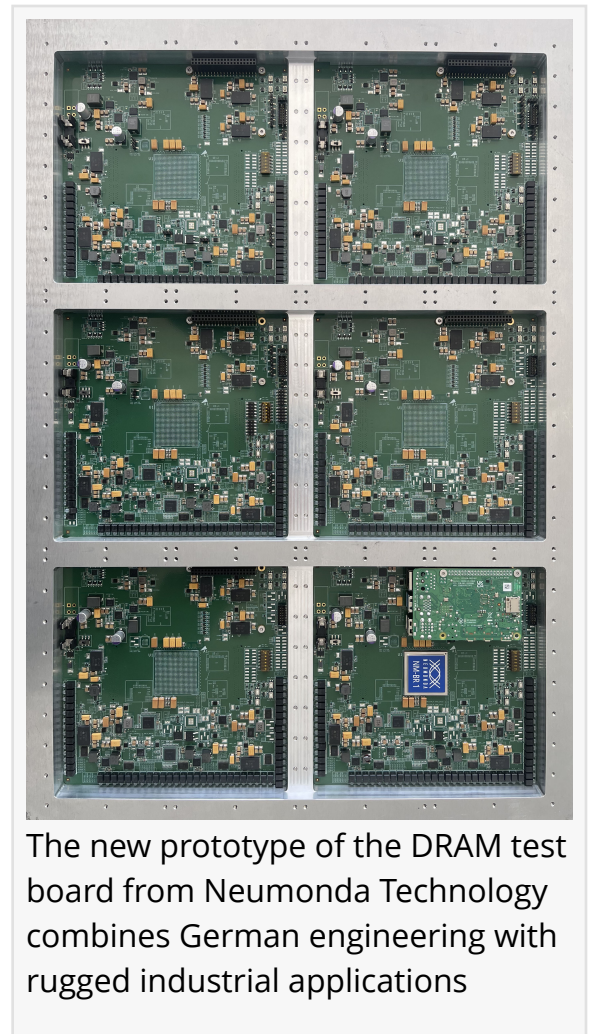
NEUMONDA Technology was founded in 2021 by former Qimonda employees that hold several patents in DRAM memory and testing, with the aim to tackle some of the most pressing pain points of industrial customers.

NEUMONDA Technology is the innovation arm of the NEUMONDA Group that also includes the memory manufacturer Intelligent Memory and the specialized memory distributor MEMPHIS Electronic. This makes the NEUMONDA to the holding that governs the most complete specialty memory portfolio. www.neumonda.com



We put memory ICs through their paces in real life conditions. By simulating the application we can predict much more accurately how well a memory will actually perform. No one else can do that today!”

*Peter Poechmueller, CEO of
Neumonda*



The new prototype of the DRAM test board from Neumonda Technology combines German engineering with rugged industrial applications

Ortrud Wenzel
Neumonda
ortrud.wenzel@neumonda.com



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