

# Kronos – Al enabled

## The world's first solution for Automatic Test Program Generation





In the field of semiconductor testing test programs often are the bottleneck to market, **requiring repetitive actions with little added value**.

Test engineers are asking for **faster tools**, and to benefit from the most recent research to enhance their productivity.

## With Kronos, Microtest delivers both speed and consistent quality.





## Reduce development time by



optimize resource usage, and establish a traceable repeatable test workflow



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### Key features





#### INTUITIVE GRAPHICAL USER INTERFACE (GUI)

Users are guided through test definition without the need to write any code.



#### AUTOMATED CONFIGURATION

Test setups are defined using dropdown menus and preconfigured selections.



#### AUTOMATIC VALIDATION

Kronos checks the entered parameters, highlighting inconsistencies before code generation.



#### CODE GENERATION

The test program is automatically generated and ready to run on Microtest testers.



## **Kronos' Workflow**



#### DEVELOPMENT OF A NEW TEST PROGRAM

- The device specifications are organized into Tasks (test blocks) and Setups (individual tests).
- Each Setup defines the measurement parameters and operating conditions.
- Kronos guides the user through the test configuration, minimizing the risk of errors.
- Once completed, the test program is automatically generated using proprietary algorithms.

#### CONVERSION OF AN EXISTING TEST PROGRAM

- Kronos can help convert an existing test program (already developed on another platform)
- Kronos identifies tasks and parameters to test.
- The user can optimize and standardize the test specifications by leveraging Kronos's automation features.
- The converted test program is immediately ready for execution on Microtest testers.







### REDUCED DEVELOPMENT TIME

up to 70% faster than traditional methods



#### SIMPLIFIED PROCESS requires only minimal programming knowledge



#### GUARANTEED QUALITY

each test is clear, fully documented, and traceable



#### **STANDARDIZATION** test programs follow a uniform structure, reducing the risk of errors



#### SCALABILITY

multiple users can collaborate on the same project, developing tests in parallel

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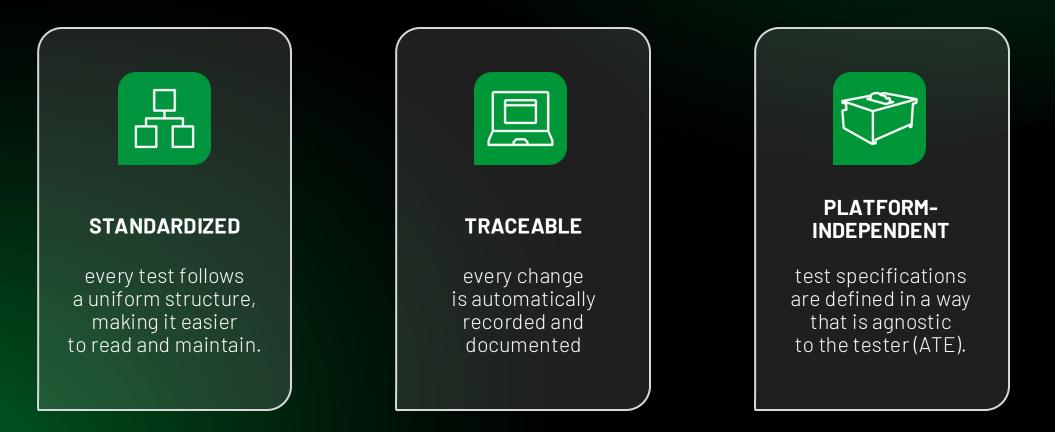
#### **FULL TRACEABILITY** every modification is recorded, simplifying maintenance



### Automation and Standardization



#### THE TEST PROGRAM IS:









# **THANK YOU!**

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