

Kronos – AI 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

70%

optimize resource usage, and establish
a traceable repeatable test workflow

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



FULL TRACEABILITY

every modification is recorded, simplifying maintenance

Automation and Standardization

THE TEST PROGRAM IS:



STANDARDIZED

every test follows
a uniform structure,
making it easier
to read and maintain.



TRACEABLE

every change
is automatically
recorded and
documented



PLATFORM- INDEPENDENT

test specifications
are defined in a way
that is agnostic
to the tester (ATE).

THANK YOU!