



The world's first solution for automatic Test Program generation





Reduce development time by

70%

optimize resource usage
and establish a repeatable,
traceable test workflow

WHAT IS KRONOS

Automation, precision and long-term consistency

Kronos is the world's first platform developed to automate Test Program generation in the semiconductor sector. Kronos is based on a structured, guided, and fully configurable workflow via graphical interface.

MAIN ADVANTAGES:



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



FULL TRACEABILITY

Every modification is recorded, simplifying maintenance



SCALABILITY

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



STANDARDIZATION

Test programs follow a uniform structure, reducing the risk of errors

HOW IT WORKS: THE WORKFLOW

Flexible, scalable and guided

Kronos reduces test program development time by up to 70% compared to traditional methods. Users are guided through a process that requires no coding and no knowledge of the ATE platform's internal workings. Technical specifications are handled in a tester-agnostic way, allowing users to focus directly on the characteristics of the DUT. The result is an optimized workflow that significantly decreases Time to Market (TTM) and Total Cost of Ownership (TCO), while increasing operational throughput and improving the Return on Investment (ROI) for test activities.

Kronos supports two operating scenarios:

- Creation of new test programs
- Conversion of existing test programs

OPERATIONAL PHASES:



Importing of DUT datasheet



Organization into Tasks (logical functional blocks) and Setups (specific test units)



Definition of parameters and operating conditions via GUI



Automatic validation of the configured inputs



Automatic generation of optimized code

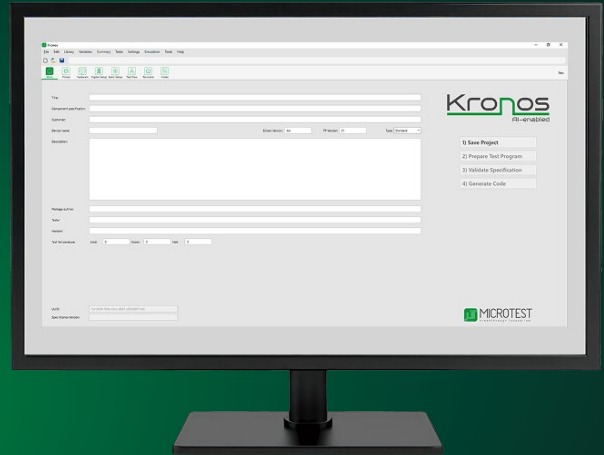


Direct execution on testers

DOCUMENTATION AND TRACEABILITY

Every test is documented. Every change is recorded.

Kronos doesn't just simplify the test program development process. It standardizes it. Every test follows precise rules, each setup is fully documented, and every change is traceable, ensuring consistency and quality even in complex projects.



- **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).

KEY FEATURES:



Code generation: the test program is automatically generated and ready to run on Microtest testers



Automated configuration: test setups are defined using dropdown menus and preconfigured selections



Automatic validation: Kronos checks the entered parameters, highlighting inconsistencies before code generation



Intuitive Graphical User Interface (GUI): users are guided through test definition without the need to write any code



MICROTEST
breakthrough innovation

Kronos
AI-enabled

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