



RDS 2.0 | WIN 2.0

Software Upgrade

A fresh upgrade from Windows XP to a
tried and true system



Features of WIN 2.0

- Allows multiple test plans to **be open simultaneously**
- Utilizes tabs within the software for **side-by-side viewing**
- Setting up devices in clearly defined, tiered lists
- File-based operating system is replaced with **SQL database**
- Everything **is stored in the database**
- **Eliminates security risks** associated with Windows XP
- Manage multiple tests in a test list in a single, named list, that **is easily accessible**
- Variable **privileges** (operators, engineers, techs, admin)



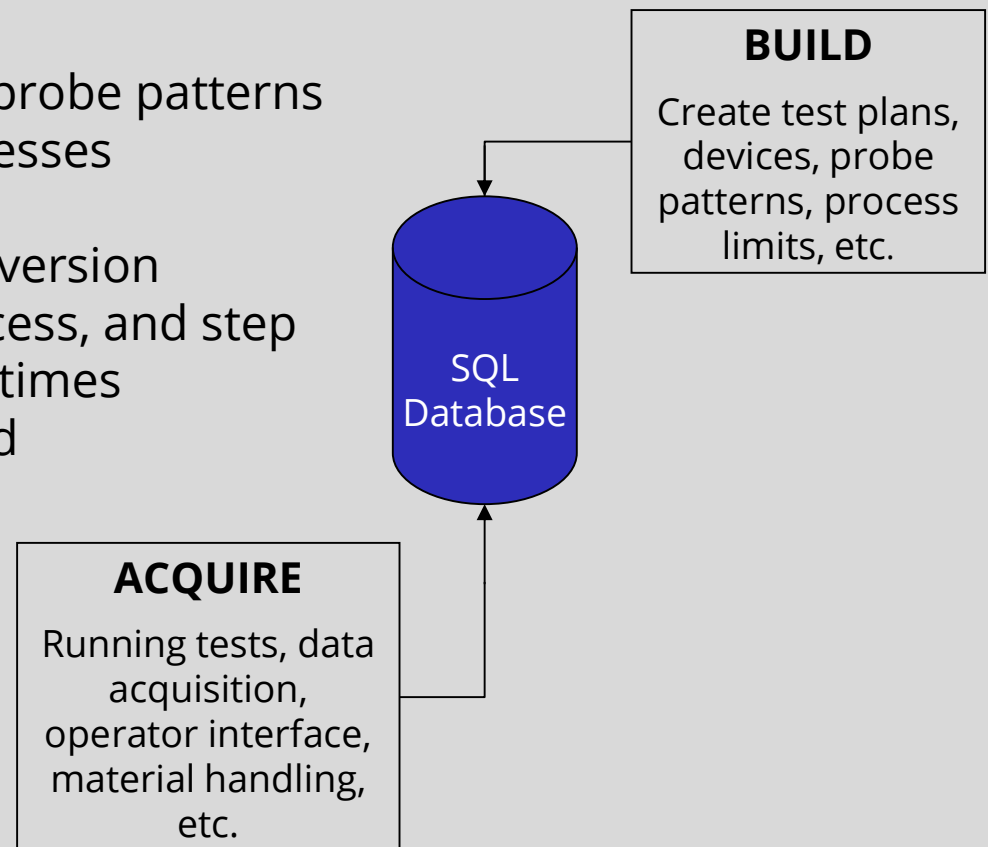
Database Management



All crucial information is securely stored in the database, allowing for easy access and efficient management.

Everything in Database

- Test conditions, results, and probe patterns
- Library of products and processes
- Multiple version control
- Release of single production version
- Data grouped by device, process, and step
- Test same wafer lot multiple times
- Process and device controlled



Simply Build Tests

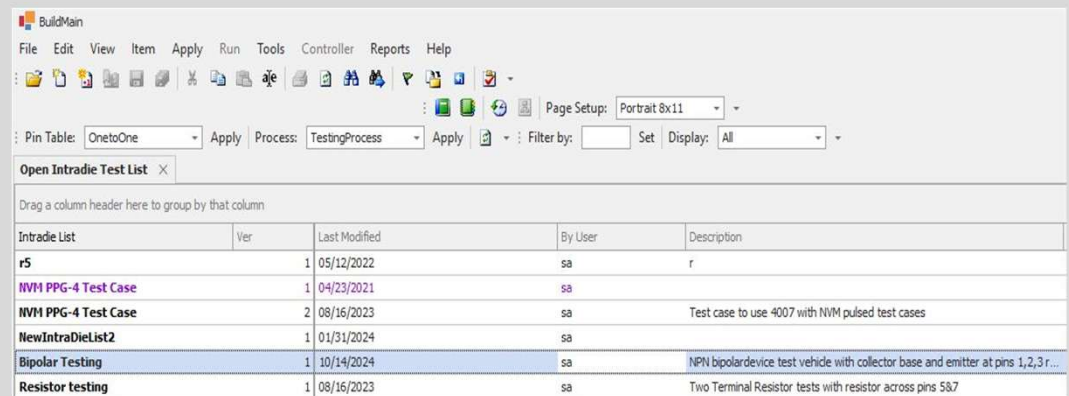


In the Build application, you have access to all the essential tools required to create the optimal environment for your test system.

Device Setup

You can set up all of your parameters for testing in Build. This includes:

- Die and intradie patterns
- Intradie tests and test lists
- Device parameters (pass/fail setup, report options, processes and process steps)
- Probing setup and probe card setup
- Tester profile configuration

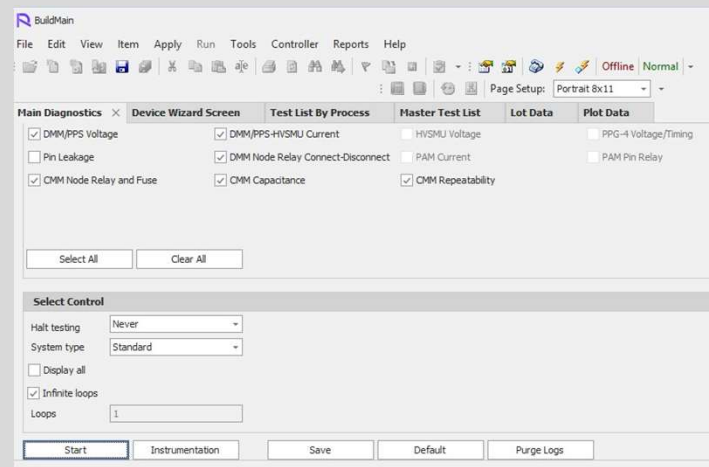


Intradie List	Ver	Last Modified	By User	Description
r5	1	05/12/2022	sa	r
NVM PPG-4 Test Case	1	04/23/2021	sa	
NVM PPG-4 Test Case	2	08/16/2023	sa	Test case to use 4007 with NVM pulsed test cases
NewIntraDieList2	1	01/31/2024	sa	
Bipolar Testing	1	10/14/2024	sa	NPN bipolar device test vehicle with collector base and emitter at pins 1,2,3 r...
Resistor testing	1	08/16/2023	sa	Two Terminal Resistor tests with resistor across pins 5&7

Diagnostic Tools

There are several diagnostic tools to keep the system healthy, efficient, and accurate:

- Main Diagnostics for ensuring system health
- Self Calibration to ensure module accuracy
- Prober Checkout to make sure connection to prober is established and functioning properly



Main Diagnostics

☒ DMM/PPS Voltage ☒ DMM/PPS-HVSMU Current ☐ HVSMU Voltage ☐ PPG-4 Voltage/Timing

☐ Pin Leakage ☒ DMM Node Relay Connect-Disconnect ☐ PAM Current ☐ PAM Pin Relay

☒ DMM Node Relay and Fuse ☒ CMM Capacitance ☒ CMM Repeatability

Select All Clear All

Select Control

Halt testing: Never

System type: Standard

☐ Display all

☒ Infinite loops

Loops: 1

Start Instrumentation Save Default Purge Logs

What is needed - Deliverables



We provide

- RDS WIN 2.0 Software
 - Engineering services (data migration, training)
 - Customization Support (specific privileges, additional features, etc.)
 - Active developer support (solving bugs, implementing changes, patches)
 - DR YIELD graphical display software
 - Workshops (done with Reedholm and customer) to determine what, if any, NRE is needed
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You Provide

- PC with Windows 10/11
- Microsoft SQL 2019
- MSS Reporting Service

Summary



WIN 2.0 was developed to be a fresh face for the RDS software, as well as improving the quality of life for customers. The important features and changes are:

No lag time

- With XP being obsolete, virtual machines were implemented to uphold the software
- WIN 2.0 delivers a fast and highly responsive user experience
- Applications run smoothly with minimal latency or slowdowns

Long-term support

- Created for longevity
- Active development team
- Changes and customizations are available, along with workshops, active support, and SW patches

Test Plan Creation

- Comprehensive list of several verified premade test plans
- Accessible options, QOL improvements
- Cursor highlight tooltips
- Creating tests can take as little as 30 seconds
- Ability to run tests in the test editor, as well as curve tracing, results, and descriptive validation checking

IT Security

- XP can pose security threat
- WIN 2.0 is up to date with Windows 10/11, as well as any security patches or updates that come along