

DC Static Test Measurements for MOSFET, GaN & SiC

HV/LV Features

Future-proof modular design for reliability & easy servicing

STDF data logging & analysis

Part Average Testing

Built-in waveform capture for fast test program development

Automatic self-calibration

Key Specs

3kV with optional 10kV extension

200A expandable to 1000A

1mOhm RDSon capable

100nA low current measure range

Thermal die attach test
(50V/20A/25ms)

Principal Tests

HV - Off state tests:
BVDSS, IDSS, IGSS etc.

LV - On-state tests:
Rds(on), Vds(on), Gfs etc.

Speed is everything in production environments. Throughput is the most critical factor for ensuring economic success of a new device.

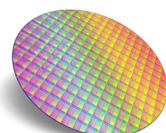
Our M2 tester is the fastest production line tester on the market. Our goal is to help you achieve new standards in UPH.



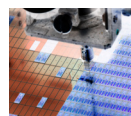
M2 HV/LV Test Generator

Our systems test all discrete power devices including, MOSFETs, IGBTs, Bipolar, Diodes, SCRs and TRIACs, as well as newer high-speed, low-loss, wide-bandgap devices using SiC and GaN.

Our global customer base of leading Silicon Device Manufacturers rely on ipTEST systems to perform round the clock testing of their discrete power semiconductor products. They trust us to ensure their devices receive robust and consistent quality control.



Wafer



Die



Discrete



Module

The fastest power discrete semiconductor testers in the world

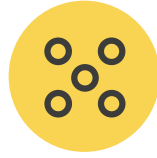
ipTEST M2 HV/LV DC Static Test Generator



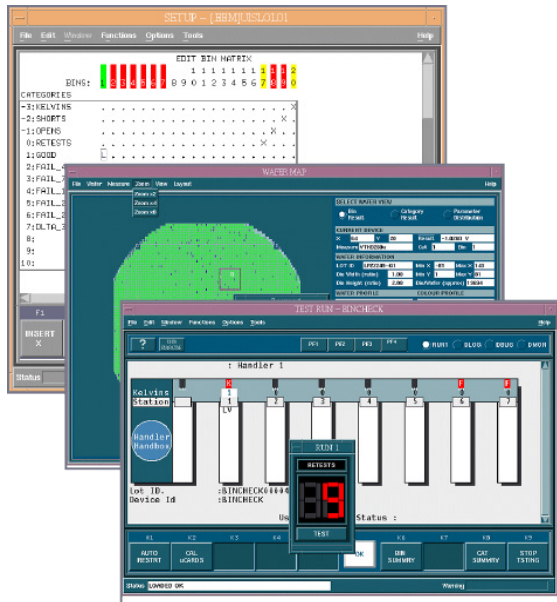
Maximise
Throughput



Test with
Confidence



Expand
Productivity



Designed for Engineers

Our software uses the Linux Operating system which gives full Open Source flexibility with file handling tools for MS Windows including STDF. The menu driven test procedure set up is designed so that operators do not need to have coding experience. The test procedures are quick and easy to complete. Our wafer mapping software also shows the bin numbers by colour code, depending on the result of each test.

Advanced Automation

On the M2 test system it is possible to automate test setup and execution using several automation features. This reduces the chance of operator error as the correct test program is automatically loaded. At the same time it also reduces setup time in high mix production lines during changeover to a new batch of devices.

ipTEST Mostrak M2 Test System

The HV/LV test generator is part of the Mostrak M2 test system. The fastest and most productive power discrete semiconductor testers on the market.

High Voltage
Off-state tests

Low Voltage
On-state tests

Dynamic
Switching tests

Avalanche
UIS tests

Gate Resistance
& Capacitance

Thermal
Die-Attach tests



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