

NATS-1000 Series

IGBT/WBS Power Module Test System

For IGBT/WBS Module Isolation/Static/Dynamic
Production Test & Characteristic of DV/PV

144UPH

Multiphase Parallel
Architecture
enables
High X-put Test

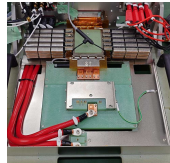


NATS-1720/1730

NATS-1001

Universal

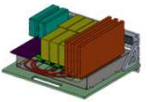
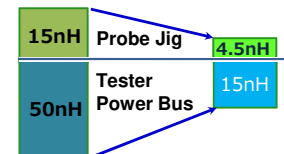
Universal Fixture
gives
Short TAT &
Quick Delivery



4.5nH Ls

Class Best Ls
ensures
Automotive Grade Quality
Test & Protect DUT

Conventional \rightarrow Fixture 4.5nH



- Designed to test from Silicon to Wide Bandgap Semiconductor
- Best Ls performance meets automotive grade qualification performance and saves device kill by inductive surge voltage.
- Shifting line-up from Module to Die Test (KGD)

- Isolation Test (ISO)
- Static Test (DC)
- Dynamic Test (AC)
- Options

AC and DC withstand voltage
BVdss, Vgs(th), Rds(on), Igss, Idss, Vds
SWT(DPT), SC/RR/RBSOA, UIS
Rth ($\Delta V_{ds}, \Delta V_{ce}$) in-line test
Vision Inspection/
Laser Marking /High Temp Test

■ Isolation Tester (R-7210)

- AC Withstanding Voltage Test Output Voltage: AC50Vrms to 5000Vrms Maximum
- DC Withstanding Voltage Test Output Voltage: DC50V to 6000V
- Isolation test output voltage up to 1200V Resistance measurement: 0.1M Ω to 50G Ω

■ Static Characteristics Tester (R-7221)

- Measurement & Setting Voltage: $\pm 3000V$
- Measuring & set current: $\pm 1200A$
- Number of measurement channel: 1ch

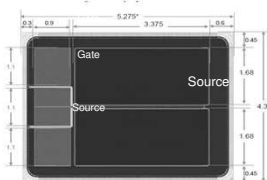
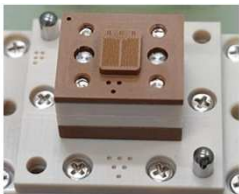
■ Dynamic Characteristics Tester (R-7231)

- Number of measurement channel: 8 ch
- Frequency band: 1 GHz
- Peak current measure: $\pm 6000 A$
- Differential voltage measure: $\pm 1500 V$

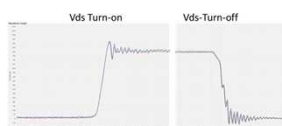
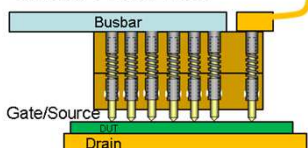
Manual Tester

Automated in-line Test System

KGD Probe Unit



MEMS Probe Unit



Head office

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Our Business

- Semiconductor Package Inspection Systems
 - Printed Circuit Board Inspection Systems
 - Inspection Fixtures
 - Optical Vision Inspection Systems
 - Flat Panel Display Inspection Systems
 - Automatic Measurement Equipment, Specific Application Machines
- Development/ design, manufacturing, and sales of software/
hardware relating to the products above