



Paired with the AutoSIR2+, the AutoCHT enables unrivalled insight into moisture-driven failures in hours not weeks.

Software & Control

- Unified interface for both AutoCHT & AutoSIR2+
- Customisable temperature cycles
- Live tracking of target vs. actual temperatures
- All test data automatically logged for analysis

Functionality

- Generates controlled condensation on electronic test boards
- Simulates environmental dew formation at least 1°C below dew point
- Seamlessly integrates with GEN3's AutoSIR2+ for live SIR monitoring
- Retrofittable to existing damp heat chambers (DHC)



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AutoCHT

CONDENSATION HUMIDITY TESTER



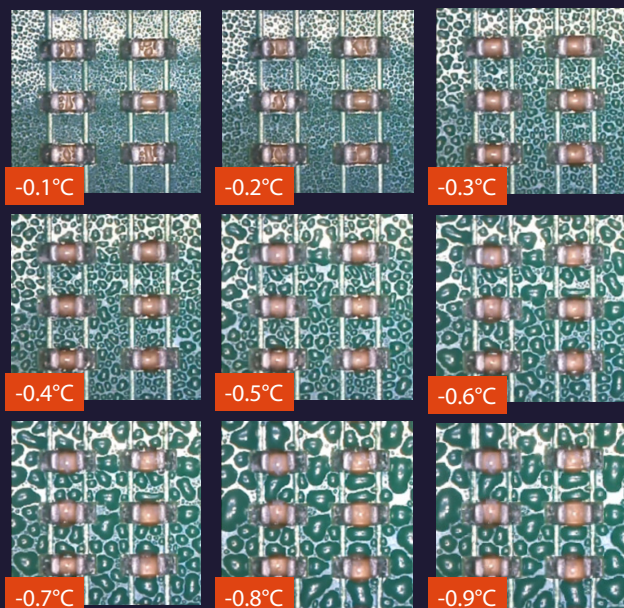
**THE WORLDS FIRST PLATEN
BASED SYSTEM THAT
GENERATES A CONTROLLED
CONDENSATION LAYER**

Simulate real-world dew formation and detect hidden moisture failures in your electronic assemblies. AutoCHT is a powerful tool for triggering and observing localised moisture-driven failures during Damp Heat Testing (DHT), enabling precise evaluation of coating integrity, track spacing, and layout.

WHY IT MATTERS

Traditional DHT often misses critical coating defects. The AutoCHT overcomes this by creating a thin, controlled water film on the board surface, triggering early-stage failures such as dendritic growth and insulation breakdown in hours not weeks.

DEW POINT CONDENSATION LEVELS



SPECIFICATIONS

Feature

Specification

Dew Point Offset

At least 1°C below dew point

Temperature Step Size

0.1°C

DHC Requirements

Nominal 40°C / 90% RH

Platen Temperature

36°C – 43°C

Board Capacity

Up to 3 boards, 45° angle, 16 channels

Software Integration

AutoSIR2+





Mounting System

Magnetic Mounting


Operating Environment

18°C - 26°C

CORE CAPABILITIES

-  Detection of conformal coating failures
-  Characterisation of sharp edge coverage
-  Harsh environment simulation
-  Accelerate and reveal failure mechanisms

KEY FEATURES

-  Controlled Surface Condensation in 0.1°C steps
-  Operates Independently of Chamber Conditions
-  Rapid Temperature Transition, For 1 Hour Cycling
-  Flexible temperature profile