

NOVEMBER 2025



ETI Automation

# TEST LABORATORY & EQUIPMENT'S

Ensuring Your Products Meet the Highest Standards of Quality, Performance, and Durability.

# ENGINEERED FOR EFFICIENCY. BUILT TO LAST.

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With over 25 years of proven experience, ETI Automation is a trusted leader in designing, manufacturing, and integrating premier industrial equipment and testing solutions.

We are your strategic partner, dedicated to solving the unique challenges of modern industry. Our solutions are engineered for maximum efficiency, reliability, and performance, trusted by over 65 companies around the world.

## Key Pillars:

- ✔ **25+ Years of Expertise:** Proven industry leadership and technical knowledge.
- ✔ **Global Standards:** Our labs are designed to meet international standards (ASHRAE, AHAM, IS, ISO, IEC).
- ✔ **Custom Engineering:** Solutions are not just sold; they are designed specifically for your unique process.
- ✔ **Quality & Reliability:** Built to last, our systems ensure you get accurate, repeatable results.

# TEST LABORATORY & EQUIPMENTS

Comprehensive environmental testing chambers ensuring reliable product performance accuracy.

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**Balanced Ambient Room**



**Compressor Durability Test Bench**



**Psychrometric Labs and Test Chambers**



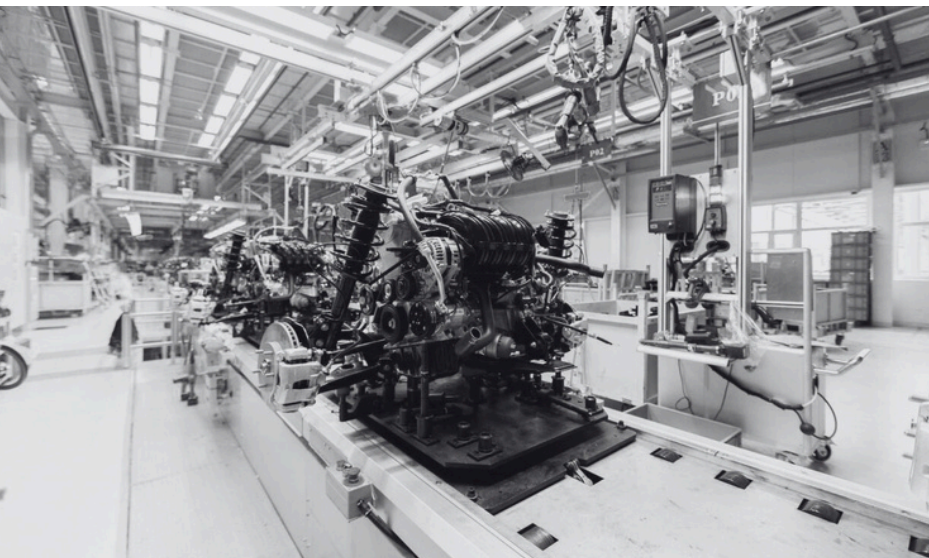
**Multi-Split AC (VRV) Performance Laboratory**



**Household Refrigerator Performance Laboratory**



**Washing Machine Performance Laboratory**

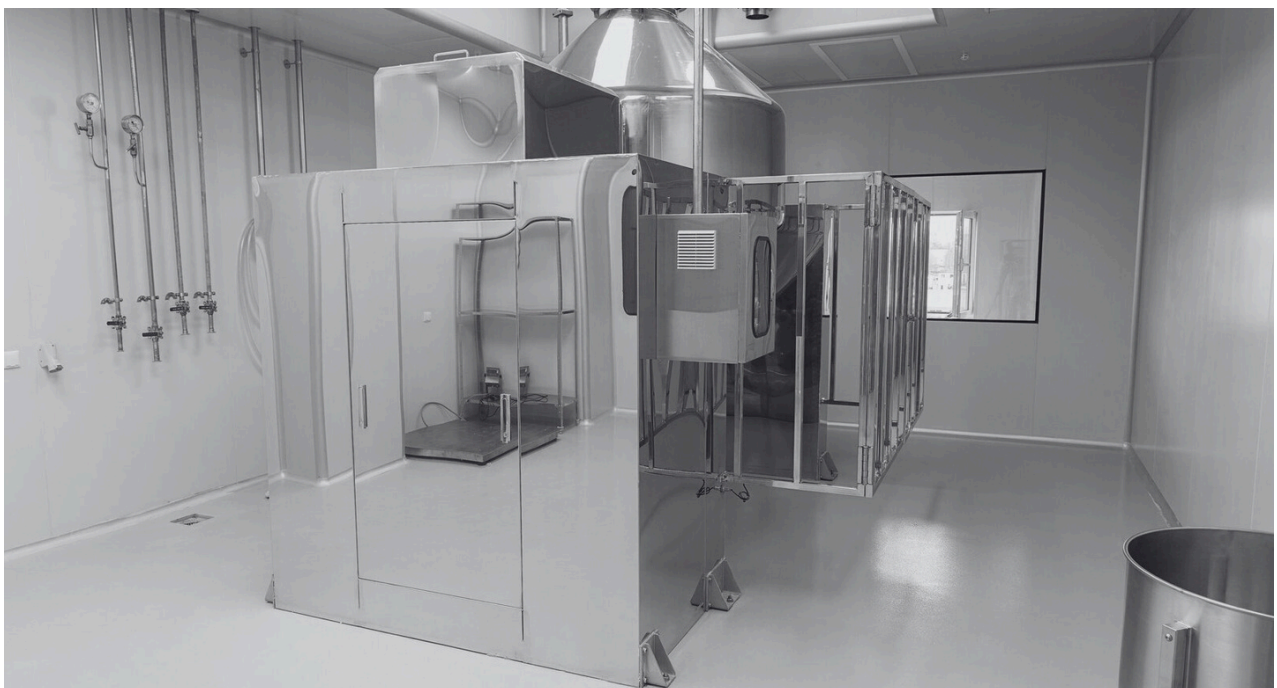


# > BALANCED AMBIENT ROOM

Precision-controlled environments for accurate product performance measurement.

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The Balanced Ambient Room is calibrated to measure the performance of air conditioners, refrigerators, and freezers. This room provides a controlled environment with stabilized temperatures in space and time, enabling the precise measurement of energy consumption and cooling capacity. All air-conditioning units (indoor and outdoor) are installed in the room for comprehensive testing.



# > COMPRESSOR DURABILITY TEST BENCH

Robust testing to verify the reliability and lifespan of your compressors.

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The Compressor Durability Test Bench from ETI Automation is designed to certify the development and quality of refrigerators, freezers, and air conditioners. This test bench is used to evaluate the long-term reliability of compressors by subjecting them to rigorous testing conditions, including continuous operation, on-off cycles, and extreme temperatures, providing accurate reliability data.



## > PSYCHROMETRIC LABS & TEST CHAMBERS

Advanced chambers and labs for precision performance and reliability testing.

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ETI Automation is a leading manufacturer of Psychrometric Test Chambers, designed to meet the diverse needs of the HVAC&R industry. Our chambers are engineered to provide precise control over temperature, humidity, and airflow, allowing for accurate and reliable testing of a wide range of products.

Our Psychrometric Test Labs are engineered to provide precise control over environmental conditions, allowing for accurate testing of HVAC&R equipment.



## > MULTI-SPLIT AC (VRV) PERFORMANCE LABORATORY

Advanced performance testing for complex multi-split and VRV air conditioning systems.

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This laboratory is specially designed for testing Multi-Split AC and VRV systems. It consists of two or more rooms with controlled environmental conditions. The indoor side test room and outdoor side test room allow for precise simulation of real-world operating conditions, testing for cooling/heating capacity, energy efficiency, and airflow performance.



# > HOUSEHOLD REFRIGERATOR PERFORMANCE LABORATORY

Comprehensive testing for efficiency, durability, and safety.

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The ETI performance test lab for household refrigerators is designed to evaluate efficiency, compliance, usability, and safety. The laboratory conducts a range of tests, including energy consumption, temperature stability, pull-down time, and ice-making capacity.



# > WASHING MACHINE PERFORMANCE LABORATORY

Ensuring optimal performance, efficiency, and reliability.

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The ETI performance test lab for household refrigerators is designed to evaluate efficiency, compliance, usability, and safety. The laboratory conducts a range of tests, including energy consumption, temperature stability, pull-down time, and ice-making capacity.



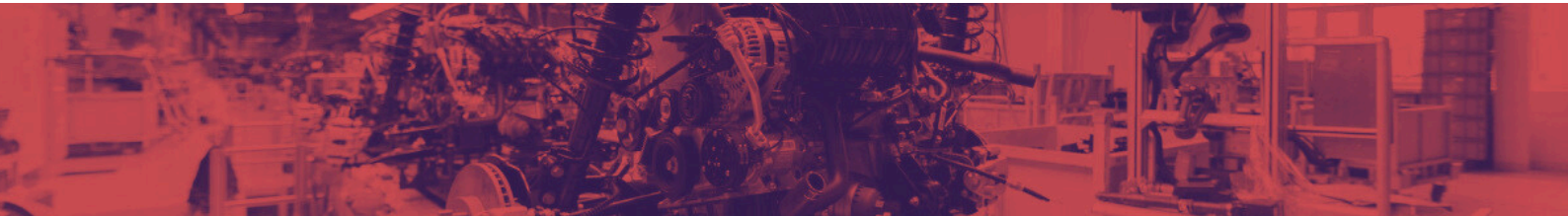
# OUR GLOBAL PARTNER

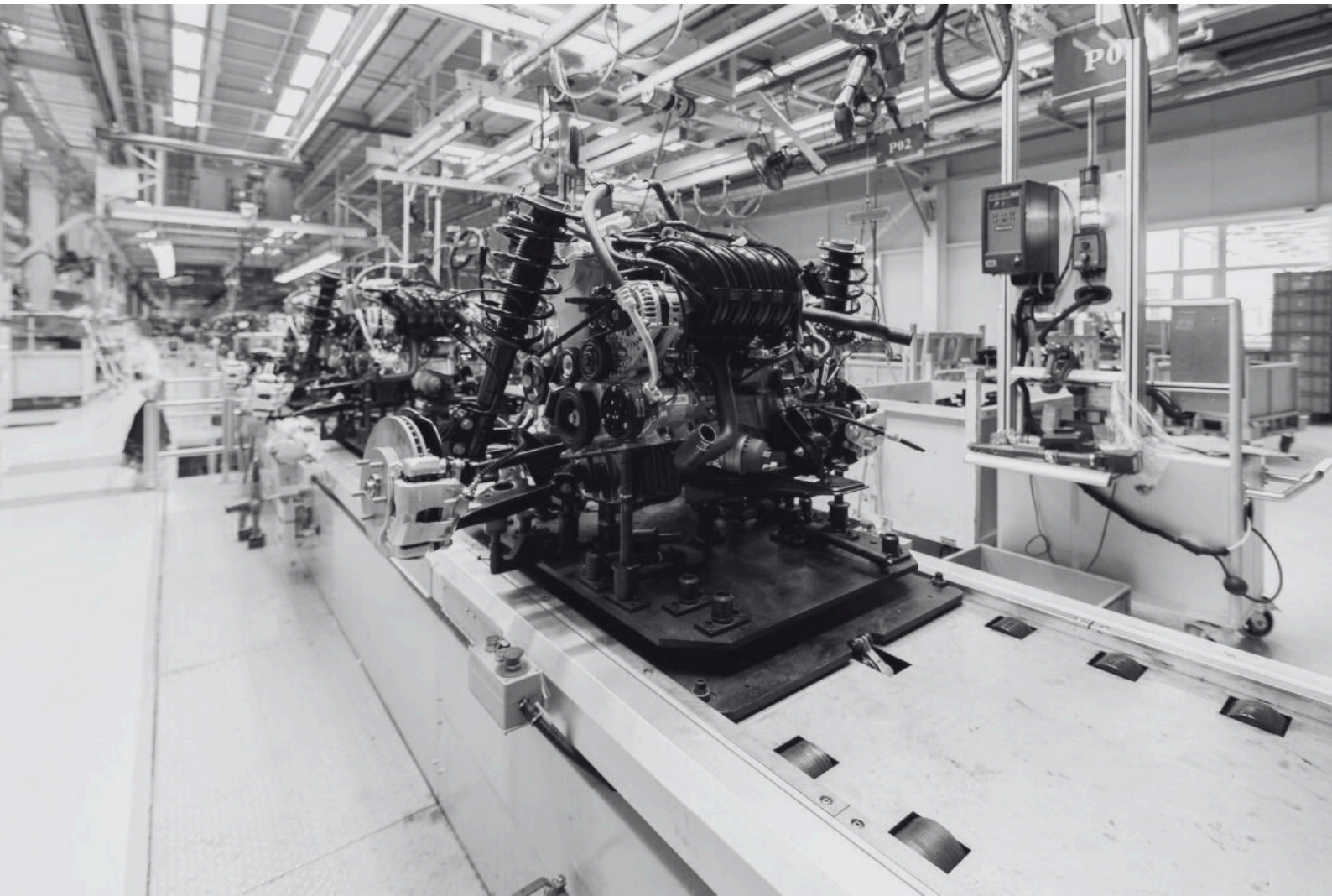
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**Panasonic**



**HITACHI**  
Air conditioning solutions





# CONTACT US

Discover how ETI Automation can validate your products.  
Contact our expert team today for a custom consultation.

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