

EXPERIENCE ONE OF THE MOST
TECHNOLOGICALLY ADVANCED
HVAC LABS IN NORTH AMERICA



FRIEDRICH

1 8 8 3

Design and Development Center



INTRODUCING *the state-of-the-art*

Friedrich **engineers** and **technicians** use the advanced systems and facilities of the DDC to routinely conduct:

- Product performance testing
- Energy efficiency analysis
- Sound measurement
- Reliability and product safety testing
- Application testing at specified environmental conditions



Command Center

Friedrich Design and Development Center (DDC)

An inside look at the DDC



OTHER TEST ROOMS AND LABS

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Application Test Room

to test units in real world applications and environments

Life Test Chamber

to test units in a highly accelerated manner to verify the products' expected life span

Electrical and Electronic Testing Lab

Calibration and Metrology Lab

Model and Machine Shop

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1. **Calorimeter Test Chambers**
to analyze energy consumption and heating / cooling output

Psychrometric Chamber
to test unit performance and efficiency using air flow and moist air properties

2. **Hemi-Anechoic Acoustics Chamber**
where indoor and outdoor sound tests are conducted in a free-field environment

3. **Rain Test Room**
to create an outdoor environment for electrical safety and product durability

4. **Training and Demonstration Room**
for Friedrich employee, partner and customer training

Get ready for a **behind-the-scenes** look at

Friedrich's new product testing facility.

Built to develop new product designs and test existing products, the DDC adds to Friedrich's competitive advantage to rapidly deliver high quality, long lasting products.

The Friedrich Design and Development Center provides certification testing in accordance to:

- AHAM Standards
- AHRI Standards
- ANSI Standards
- ASHRAE Standards
- DOE and Energy Star Standards
- ISTA Standards
- UL CDTP Requirements
- UL Safety Standards



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