

## Tensile Test Chambers *Temperature/humidity chambers for tensile-testing machines*

- Tensile Test Chambers
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Tensile strength tests are an integral part of material development. Materials that require this test include various metals, plastics, paper, fabrics, fibers, composites, and films for many industries. ESPEC tensile test chambers are designed to work with any brand machine and can be customized to meet unique application needs.

Using a refrigeration system instead of liquid nitrogen to cool the chamber allows our equipment to introduce humidity, expanding the scope of traditional materials strength testing.

### Features for Tensile Test Chambers

- Chamber and cart designed to fit tensile test machines and benches by Instron, MTS, and other brands
- Full-opening door with silicone gaskets and hinged on left side
- Slots in top and bottom of chamber for test grips
- Lifting eyebolts to aid in positioning
- Interior and exterior is stainless steel

### Refrigeration and Plenum

- Rear-mounted plenum with cooling coil and nichrome wire heaters
- Air-cooled refrigeration system using hermetic compressor(s)
- Humidity models include steam generator and dehumidification coil

### System Controls

- Attached instrumentation console
- Watlow F4T programmable controller with touch-screen and Ethernet

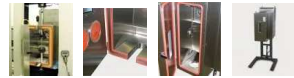


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### Product Suggestions

### Related Resource Center Articles

- [How do test chambers get so cold?](#)
- [High temperature limits of test chambers](#)

### Contact ESPEC:

- Sales: 616-896-6100 (8-5 EST)
- Find Your Local Sales Rep
- Sales/General Request Form
- Support: 616-896-6170 (8-5 EST)
- Service/Support Request Form
- Colorado Office (Qualmark): 303-254-8800

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