

ENVIRONMENTAL TEST CHAMBER FOR UTM INTERFACE



In modern material testing, the combination of mechanical testing and environmental conditioning is crucial for simulating real-world conditions and understanding material behaviors under various stressors. The interface of a Universal Testing Machine (UTM) with an Environmental Test Chamber allows for comprehensive testing of materials under both controlled mechanical loads and variable environmental conditions such as high temperature & low temperature etc...

The Envisys tailor-made environmental test chamber, interface with a Universal Testing Machine (UTM), offers a wide range of temperature testing from +150°C to ultra-low temperatures of -100°C using LN2 purging. It also features Teflon-coated sliding wedges, designed to withstand both high and low temperatures, ensuring smooth, friction-free movement during operation while maintaining precise mechanical testing performance in extreme environmental conditions

This integrated system ensures accurate, reliable testing while maintaining smooth operation even in the most challenging temperature ranges. And also offers invaluable insights into the performance, durability, and reliability of materials in real-world conditions, making it an ideal solution for industries such as automotive, aerospace, electronics, and construction.

| Revision History | Prepared By | Date |
|------------------|-------------|------------------|
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