



## Nitinol Transformation Tester simplifies ASTM F2082 testing.



AVID Innovation's BFR200 Bend & Free Recovery tester is a compact, fully integrated, user-friendly test system for measuring transformation temperatures of Nitinol-based components and devices.

Featuring an integrated, adjustable temperature hot plate and stirrer, the Nitinol sample is immersed in a temperature-controlled bath. As the sample heats up, position, temperature and time data is generated and recorded. The resulting data can be plotted or exported as a .csv data file for storage or further calculations.

The versatile BFR200 can be utilized for process development, device verification, QC process check, device functionality testing, or many other applications.

The tester is housed in a stiff aluminum frame, featuring a captive counter-weight system to ensure accurate measurements while eliminating misplaced balance weights.

An embedded PC running Windows OS controls the tester through a LabView GUI interface. Custom options include tooling, recipe management, touch screen interface, automated temperature and stirring controls.

- Testing according to the ASTM F2082 bend and free recovery (BRF) testing standards
- Tests Nitinol-based wire, tubing, strips, medical devices
- Automated and Manual curve-fitting
- Customizable test parameters
- LVDT-based measurements
- Captive counter-balance system (no more misplaced weights!)
- "Standard" mode for production and Q/A environments
- "Advanced" mode for R&D, process development and engineering
- Options include custom tooling, recipe management system, touch screen interface

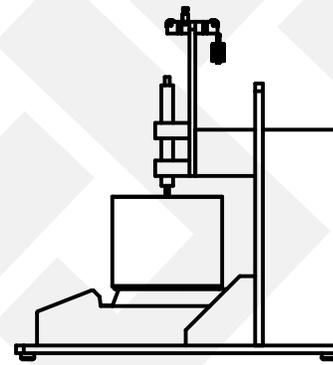
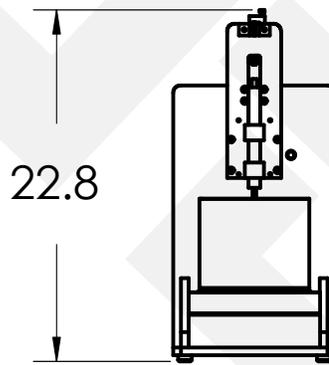
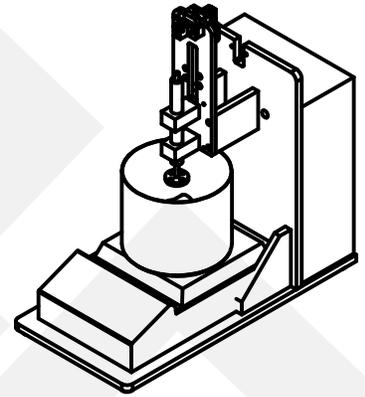
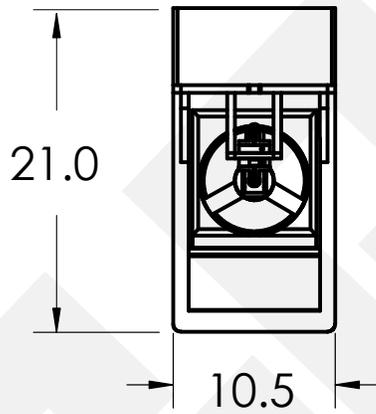
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Visit our website to learn more about both our standard and customized automation solutions.

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## Dimensions (in):



## Specifications:

Temperature Range	-50C - 95C (-60F - 200F)
Stirring Speeds	60 - 300 RPM
LVDT travel distance	2 inches
Test Devices	Wire, Strip, Tubing, Medical Devices
Electrical	110VAC, +/- 10%, 50/60 Hz, 15A
Dimensions	23" H x 10.5" W x 21" D
Weight	50 lbs