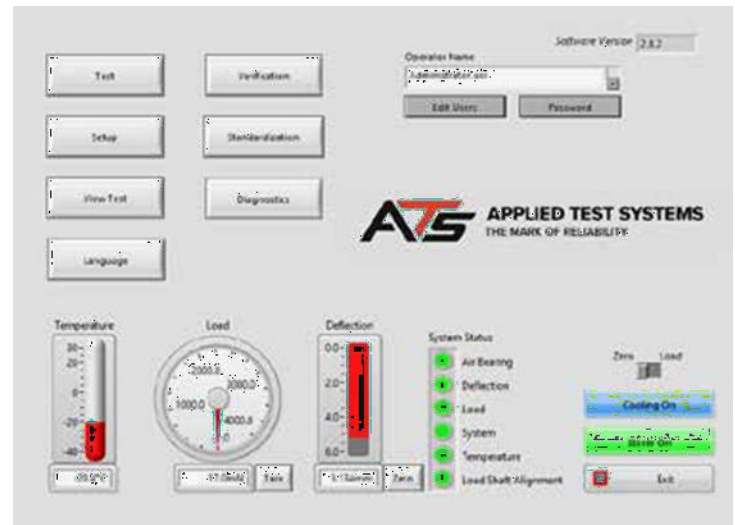


Upgrade Package: BBR3 to BBR3S

- The upgrade includes a new software release (2.8.1 and later versions), a newly redesigned LVDT calibration disk and weight pan, and a robust stirrer motor. This upgrade can be performed by qualified ATS calibration technicians during an on-site verification of your BBR3. We also offer the ability to send the BBR3 directly to ATS, where the upgrade will be completed. Please contact the ATS Service Department at iservice@atspa.com for additional details.

New Software Enhancements:

- Instructions are better clarified for Standardizing and Verifying the BBR, based on our research and customer feedback.
- Standardization self-check routine incorporated for Load and Deflection Standardizations. This will alert the operator on potential sensor issues or operator error in performing the standardization. Which could corrupt the calibration information saved within the software.
- Addition of Tare button for load cell output and Zero button for LVDT output displaying directly to the main menu screen. This allows operator to re-tare or zero readouts without the need to re-standardize.
- Improvements made to the BBR3 Temperature Standardization.
- New controller algorithms allow for a faster time to temperature.



Redesign of Calibration Disk & Weight Pan:

- Redesign allows for standardizing the LVDT sensor with a reduced chance for possible error, by minimizing variations in positioning the weight pan during standardization.
- Improved repeatability of deflection measurements.

New Temperature Control Hardware:

- Improved temperature stability incorporating a next generation controller.

New Motor Design:

- Assures exceedingly long motor life due to no moving parts.
- Especially quiet operation.
- Unaffected by moisture.