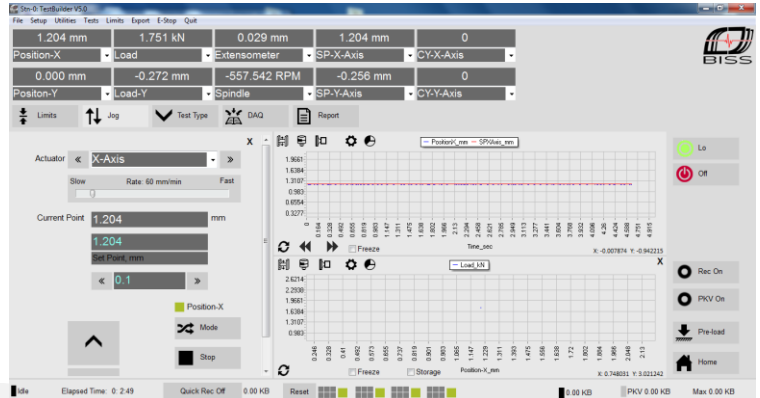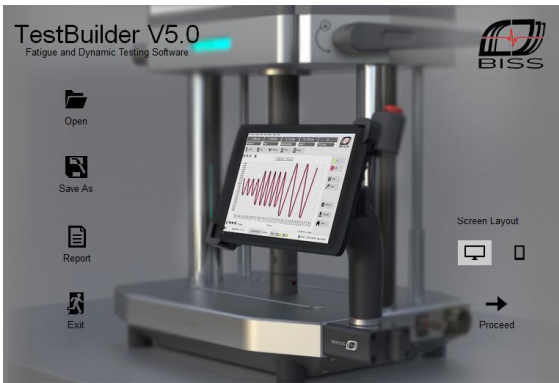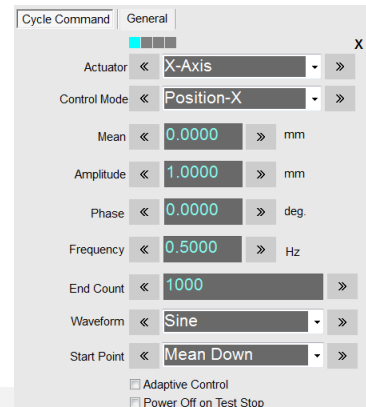BISS Test Builder General Purpose application software is intended to perform general purpose static and fatigue tests. High Cycle Fatigue test can be done up to 100Hz under MTL-32 environment with 2370 controller.

The user interface includes specimen description, loading parameters, pump controls, test run/stop, graph display, numeric readouts of several relevant test parameters. Test descriptions and test 1

Technical features

- Fully automated software compatible for windows 10
- Integrated with all modules viz. Actuator, Power Pack, transducers etc. of the test system for full and automated control
- Quasi static and fatigue in tension-tension, compression-compression, flexural fatigue etc.
- Continuous synchronous data collection from all channels in linear, logarithmic and change in value at user defined intervals
- Data collection from various channels viz. Stroke, Load, Stress, Axial Strain and other transducers high level output signals
- Provision for collecting both complete cycle data and peak-valley data
- Waveforms: Sine, Ramp, Triangular and trapezoidal
- Custom waveforms with simple single-axis ramps and repetitive waveforms to more complex multi-axis and multi-step tests block programming, where in each block can be designed with different control modes, amplitudes and frequencies
- Independent waveforms on each axis for systems with multiple axes of control
- Clear graphical representation of test sequence during test construction

- Frequency capability up to 100Hz
- Provision to repeat number blocks
- Test sequence can be programmed and stored for future usage
- Option available for test control with defined waveform envelope time
- User can start/pause/stop the test at any time
- Real time graphic windows (X-Y, double Y, trend, Multi-channel)
- Test results along with raw data is exported to MS-Excel as spread sheet and graphics data
- Calculated parameters for cyclic test: Max Load, Min Load, Area Under Curve, Modulus etc

Note: Specification are subject to change without prior notice