

8800 Controller Upgrades and Retrofits

The Instron® 8800 retrofit enables older servohydraulic and dynamic testing systems to be upgraded with the latest control electronics and WaveMatrix™ software: WaveMatrix™ for fatigue testing or dynamic tests, or Bluehill® 2 for static tests. As many fatigue tester load frames are designed to last and provide many years of reliable testing, the modernization and upgrade of the control system is a cost-effective way to extend the life of your existing installation and test using the latest techniques. 8800 upgrade packages are available for existing servohydraulic fatigue testing machines including Instron, Schenck, Dartec, MTS, Zwick, Shimadzu, Mayes, and other manufacturers.

Features

- Upgrades the control electronics with the advanced 8800 digital controller
- Frame control panel and jog handset for control of the test machine
- Console Operating Software for setting up and running the machine
- Access to WaveMatrix or Bluehill Software or other applications software
- Cable kit to suit the existing load frame, actuator, load cell, and other transducers, as well as a hydraulic power unit or hydraulic control manifold
- Hardware accessory options include additional transducer channels, data acquisition cards, hardware operator panel, Patented₁ Dynacell™ load cells, and other hydraulic components

The Upgrade Process

The basic modernization and upgrade process usually includes:

- A survey by one of our skilled service technicians to determine the most appropriate upgrade path
- Decommissioning and removal of old controls and electronics
- Installation by a factory-trained service engineer of the Instron advanced 8800 controller and cable sets
- Set up of testing system including load and position transducers, which can be optionally verified to international standards
- Training on system operation and new materials testing software
- Factory-direct hardware and software support of your new software and controls

Further support and service options, such as accredited on-site calibration, maintenance, training, consultancy, and service support can be tailored as required.



Why Upgrade?

8800 retrofit packages upgrade Instron® and non-Instron servohydraulic frames with the latest digital control electronics, application software, and optional hydraulic power supplies. The result? A superior system at a fraction of the cost of a new machine.

- Improve the capability of your current system – modern electronics and software provide more repeatability, less operator error, greater efficiency, and increased productivity
- Maximize your original investment by maintaining use of your existing load frame



Why Instron?

Instron has upgraded more testing equipment than anyone in the industry – over 5,000 systems and still counting.

- A 8800 controller upgrade ensures your testing system will be outfitted with the industry's most advanced software and electronics
- World leader with the original equipment manufacturer advantage offering a seamless solution for Instron systems and the knowledge to adapt non-Instron systems

Catalog Numbers

Catalog Number

8800-663	Retrofit Package to Suit Instron Servohydraulic Machines (8000, 1340 and 8500)
8800-661	Retrofit Package to Suit MTS Corporation Servohydraulic Machines
8800-667	Retrofit Package to Suit Schenck Machines of Type PSB, Sinus, or PC
8800-668	Retrofit Package to Suit Schenck Machines of Type PSA
8800-621	Strain Control and Acquisition Channel for 8800MT Controller
8800-622	Strain Data Acquisition Channel for 8800MT Controller



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