

PREVENTATIVE MAINTENANCE

ElectroPuls™ Systems



Preventative Maintenance of ElectroPuls systems is essential to prolong service life and maximise uptime through increased reliability, helping you maintain operational effectiveness and throughput. This includes a thorough inspection and testing of electrical and mechanical safety systems ensuring correct operation and protection for both operators and equipment.

Instron's factory-trained Field Service Engineers have access to the latest documentation, official spare parts, and tools required to maintain your equipment at its peak performance. During your Preventative Maintenance visit, our Field Service Engineers will check the overall performance of your system, including condition, configuration, correct operation, PC, software, and safety checks.



INSTRON SERVICE AGREEMENTS

Instron offers a variety of different Service Agreement options, where you can combine Preventative Maintenance, Calibration and Instron Connect into a single plan for all of your Instron systems, bringing you consistency in your lab.



ACCESS YOUR PREVENTATIVE MAINTENANCE REPORTS WITH INSTRON CONNECT

Instron Connect includes a number of technologies that create a secure connection between the testing systems at your facility and Instron. These technologies include a support portal and an AI driven mobile app where you can access your Instron system's preventative maintenance reports, service history and calibration certificates at any time.

PREVENTATIVE MAINTENANCE REPORT

During your Preventative Maintenance visit, our Field Service Engineers follow a comprehensive checklist, completing a predefined set of maintenance activities designed to maximize your system's uptime and performance. Instron's factory-trained Field Service Engineers follow procedures, including:

PRELIMINARY CHECKS

- Check controller fan is running correctly
- Inspect system accessories
- Check software and PC
- Test power voltage

ACTUATOR/LINEAR MOTOR

- Check the position of the actuator
- Inspect actuator rods for scratches
- Check cooling fans and pump
- Check LVDT noise
- Test actuator brake function

POWER AMPLIFIER

- Check the condition of the air filters
- Check cables are securely connected
- Check power amplifier's cooling fans function correctly
- Inspect power amplifier exhaust

CONTROLLER

- Check and measure controller power supplies
- Check the condition of air filters, replace if necessary
- Check controller fan is working
- Test jog controls for correct operation
- Clean the inside of the controller
- Check LED's are visible and are functioning correctly during start up and during operation

FINAL CHECKS

- Test crosshead interlock
- Test specimen protect functionality
- Unload limit action switch
- Check all the emergency stop buttons are operating correctly

BENEFITS OF INSTRON SERVICE

Our Preventative Maintenance visits are scheduled at a time that suits your business. We will consult with you and take care of all the arrangements, while keeping you informed along the way with the aim of minimizing disruption to your operation.

- While on-site, your Instron Field Service Engineer has access to your Instron system's calibration and service history, up to date preventative maintenance procedures, software updates, and factory designed diagnostics.
- We are fully equipped to support you with over 250 factory trained Field Service Engineers, supported by local service operations to provide a fast on-site response that creates a uniform process and consistency in your labs worldwide.

www.instron.com



Worldwide Headquarters
825 University Ave, Norwood, MA 02062-2643, USA
Tel: +1 800 564 8378 or +1 781 575 5000

European Headquarters
Coronation Road, High Wycombe, Bucks HP12 3SY, UK
Tel: +44 1494 464646