



MTS Routine Maintenance

Legacy Electromechanical Load Frames

Eligible Electromechanical Load Frame Models

- » Alliance
- » MTS Insight®
- » QTest®
- » ReNew™ Upgrades
- » Sintech
- » Synergie

Collecting accurate data is the purpose of testing, and test equipment that has been maintained on a regularly scheduled basis provides the most accurate test data. With MTS Routine Maintenance, issues that may affect data integrity can be identified and corrected before they become larger problems.

Your test results are only as accurate as the equipment you use to get those results. Load frames that are well-maintained produce more accurate and repeatable test results, giving you the peace of mind that comes with knowing that you can trust your data. Rely on MTS to perform the checks and adjustments necessary to get the best results possible from your load frame tests.

On a routine maintenance visit, MTS field service engineers check the entire electromechanical system: the hardware, software and electronics. We lubricate bearings and ball screws, back up specific testing software files, check cables and connections and verify overall system performance.

At the end of each routine maintenance visit, we'll provide a report of all services performed, current equipment condition and any recommendations, if necessary. You'll have the information you need to make decisions about your test equipment and confidence in knowing that you are able to address issues before they become problems. You'll also know that you are enhancing the productivity, reliability and longevity of your test equipment.

be certain.

MTS Electromechanical Load Frame

Recommended service to be performed at each running time interval noted

Calendar Time Using 8 Hour Run Time Rate Per Day	Daily	Weekly	Annually
Running Time - Hours	8	40	2,000
Shunt Cal Check	√		
Clean Work Area / Machine Surface	√		
Verify Limits and E-Stop		√	
Inspect Cable / Connections		√	
PC Maintenance			
Back up TestWorks® Files (*.reg/cal files)			MTS
HD Defragmentation			MTS
System Inspection			
Inspect / Clean Controller			MTS
Inspect Drive Belts for Excessive Wear			MTS
Inspect Cable Connections			MTS
System Checks			
Check E-Stop			MTS
Check Upper Limit			MTS
Check Lower Limit			MTS
Check Load Cal / Shunt Cal			MTS
Lubrication			
Crosshead / Ball Screw			MTS
Bearings in Base Plate			MTS
Drivetrain Bearings (if applicable)			MTS
Frame and Work Area			
Clean / Replace Air Filter			MTS
Clean Guide Columns with WD40 (D/G/S Series Frames)			MTS
Clean Frame and Work Area			MTS

Note: MTS

Symbol denotes service performed by trained field service engineers as part of an MTS Routine Maintenance plan. Some of these procedures require special service tools and/or specific service training to complete.

Note: √

Symbol denotes services performed by equipment operators. Most of these procedures involve visual checks that should not interfere with test system operation. These checks are also completed by trained field service engineers on each Routine Maintenance visit.



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ISO 9001 Certified QMS

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