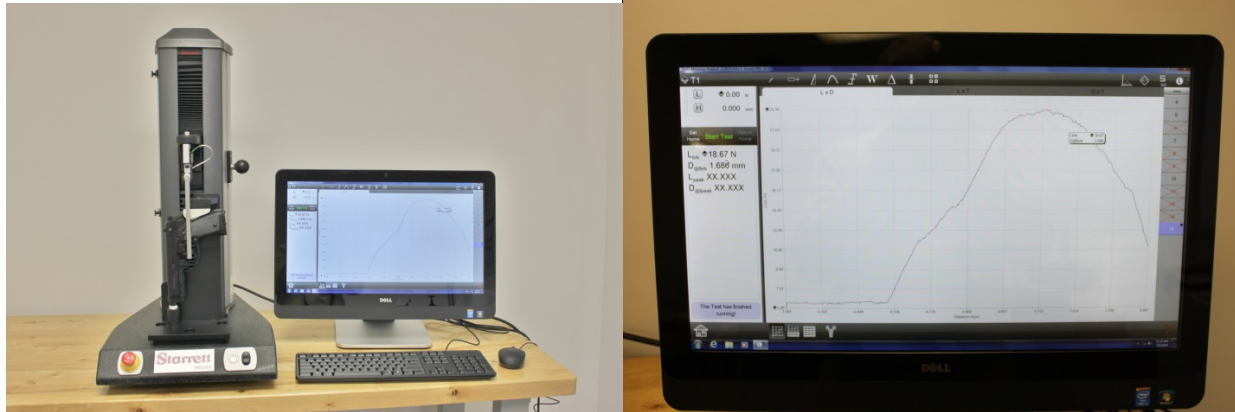# **Starrett®** **FMS-500 Trigger Force Measurement System**

The world's most accurate Firearm Trigger Force Measurement System

The **Starrett®** FMS-500-L2+ Trigger Pull Force Analysis System provides for both digital and graphical data on the complete performance of the trigger mechanism on most firearms including pistols, rifles, and shotguns. Features include complete programmability for each model of firearm. Digital data (either directly measured or mathematically computed) such as distance at break, load at break, peak load are readily available, tolerance ranges can be applied for all required data. Also the trigger mechanism's analog curve can be completely analyzed via the large 24 inch touchscreen pc. This instrument can capture and store all information relating to the full range of trigger motions and mechanics. As the pressure is exerted and the distance traveled, the force on the trigger begins, increases, and goes to zero at sear release. The L2+ software allows for real-time data analysis and a clear graphical user interface.

The **Starrett®** FMS-500-L2+ Trigger Pull Force Analysis System can assist in determining and documenting all the data required to in relating to all the forces required to discharging a particular firearm. If a trigger pull is measured and it falls outside of known factory specifications, then it would be advisable to determine the cause. Trigger pull values can point to other root causes of functional and operational problems. There are a number of reasons for unusual trigger pull values; they may include: inherent design characteristics, quality issues with factory assembly work, customization of a firearm, flawed lock mechanism, or a flawed safety feature.

The **Starrett®** FMS-500-L2+ Trigger Pull Force Analysis System employs a mounting fixture for various types of firearms. The fixture makes it easier to mount firearms uniformly and to mount the motorized sensor arm that protrudes into the trigger guard and squeezes the trigger to the rear. The software allows for complete closed loop control during the test; Time, Distance, Speed, and Force can all be controlled to provide the user with the exact data required

Call your local **Starrett®** Measurement Expert today to schedule an onsite demonstration: