

Statement of Work
Universal Testing Machines
Purchase Request No. 12229540

The United States Army Aberdeen Testing Center (ATC) requires repair/upgrade of an existing Tinius Olsen LoCap 602 universal testing machine and two new machines capable of separating projectiles from cartridge cases while recording pull force measurements.

Technical Specifications/ Requirements:

Contract is to repair 1ea Universal Testing Machine and to provide a complete replacement for two separate obsolete machines. The repair involves retrofit of the main control panel from an obsolete manual control to a Virtual Machine Control (VMC), which also comes with a new load cell that interacts with the VMC. The full replacements come with a machine base that holds the dies and fixtures which secure the projectiles and cartridge cases, a remote-control panel that actuates the hydraulics, and an electronic controller with the latest software package to collect pull force measurements. One of the new machines will also have the ability to be operated from the newly constructed remote operating center that provides personnel full protection from the operation.

Quantity: 1 Each

- Retrofit, ETM 602 Manual control to VMC
- Strain module for US type loadcell to fit VMC, installed and calibrated

Quantity: 2 Each

- Model 300SL, Rack & Pinion, 2ft longer columns, standard screws, 230 voltage, custom engineered for remote operation, installed and calibrated
- Horizon software materials testing primary platform with metals library
- Horizon closed loop AFM

