

With these changes the main focus in testing will be accuracy (for the 3 new calibers), feeding, and then function, endurance and abuse testing due to the integration of a new fire control in the Model 710 action. Based on manufacturing methods to produce parts, the long tooling lead times, and the risk involved a combined DAT/T&P test was requested. I concur with this approach. Since this will also be a T&P class test we should still sample product from a larger pool. With three calibers Mayfield's plan to build 50 guns/caliber should be adequate. We will randomly select 10 guns of each caliber for our test for a total sample size of 30 guns. With that said the following tests are planned:

#### TEST & MEASUREMENTS

- \* Out of Box Inspection (All 30 Guns)
  - \* (Packaging, cosmetics, etc.)
- \* Preliminary Measurements & Tests (All 30 Guns)
  - \* Headspace/Proof/Headspace
  - \* Check Chamber Dimensions, Bore, Groove, Twist Rate
  - \* Check Bolt Head and Barrel Hardness
  - \* Firing Pin Indent
  - \* Trigger Pull + other SPL Specific Measurements (Engagement, Over Travel, etc.)
  - \* Slam Test - 3 Guns
- \* Jack Function (All 30 Guns)
  - \* 200 rds./Gun using Rem. and Competitive Ammo Types
- \* Accuracy (5 Guns/Caliber)
  - \* Three 5-Shot Groups/gun/ammo (2 Ammo Types)
- \* Thermal Testing (One Gun/Caliber)
  - \* Hot, Cold, Heat & Humidity
- \* Trigger Tests (One Gun/Caliber)
  - \* SAMMI Test
  - \* Remington Test
  - \* Dynamic Dust & Debris
- \* SAAMI Jar-Off, Rotation, Drop Tests (3 Guns/Caliber)
- \* Extended Function & Endurance
  - \* 500 rds/Gun (5 Guns/Caliber)
  - \* 1,000 rds/Gun (2 Guns/Caliber)
  - \* 2,000 rds/Gun (1 Gun/Caliber)

Ammo requirements to support this testing is about 18,000 rounds split evenly amongst the three calibers. The main reason for the majority of this testing is due to the integration of the SPL fire control.

Any questions or comments are always welcomed.