

Technological Advancements

- **Strongest extraction system of any rifle**
 - *Extractor strength comparison chart from Retail Presentation*
- **Hammer Forged Barrels**
 - the strongest, most consistent method by which to produce rifle barrels
 - precision ground mandrel, complete with rifling lands and grooves and basic chamber dimensions are fitted into a premium quality steel barrel blank
 - blank is then hammered down over mandrel, by hundreds of precision hydraulic hammers forming the steel blank down into the rifling grooves on the mandrel.
 - Result is a very resilient rifle barrel, with exacting bore and rifling dimensions and a carefully tuned exterior contour.
 - Unparalleled barrel-to-barrel consistency
- **Cylindrical receivers**
 - Design benefits
 - Simplicity in design provides unparalleled strength
 - Stable, reliable bedding
 - Allows stocks and action to precisely line up shot-after-shot even in the heaviest recoiling calibers
 - Minimizes action flex under recoil
 - Provides maximum recoil-lug contact area
 - Ensures that recoil is evenly transferred rearward through the stock
 - Minimizes stresses on the stock
 - Allows for precise, in-line mating of the barrel and receiver
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- **Three rings of Steel**
 - Each Model 700 rifle is built with 3 complete rings of steel to support the base of the cartridge
 - First ring is a precision built ordnance-grade receiver machined from solid bar stock
 - Second ring is a premium grade hammer forged barrel.
 - Third ring is the breech-forward rim, present on every Model 700 bolt assembly
 - Precise fit between breech rim and barrel also provide match-grade support and alignment of each cartridge as it is chambered.
- **X-Pro Trigger**
 - The most crisp, consistent trigger ever available to rifle shooters
 - precision-ground trigger and sear are mated together in perfect balance
 - Advanced manufacture techniques produce a custom rifle quality trigger for every Model 700

- Each XMP trigger is built and calibrated by a specialized, experienced team dedicated to hand building the best rifle triggers available today
 - Ultra-fine surface polish on all trigger and sear engagement surfaces provide a clean, crisp trigger that breaks like a glass rod
 - Adjustable for pull weight by a qualified gunsmith
- **Shortest lock-time of any bolt action on the market today**
 - Lock-time is the window of time between when the shooter pulls the trigger and when the cartridge in the chamber is ignited
 - The problem with a long lock-time is that when the shooter pulls the trigger, the rifle has time to shift off target before sending its bullet downrange- resulting in increased group spreads and, worse, inconsistent zeros
 - The Model 700 combines the benefits of a short, crisp trigger pull, and a heavy mainspring to drive the low-inertia firing pin forward to set off the cartridge more quickly than any other action available
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- **Unrivalled Out-Of-The-Box Accuracy**
 - Combined with the ultra-crisp XMP trigger, shortest lock-time in the industry and the strongest, most consistent rifle barrels ever produced, an outdoor sportsman can buy a Remington Model 700 with the confidence that they own a custom-quality, high-performance rifle backed by the best service and support in the industry.
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- **Field Test**
- **How many layers are there in the Remington Trynyte finish?**
 - *Stainless base, nickel plate, PVD coating*
- **What purpose does the Trynyte Nickel plating serve?**
 - *Unparalleled corrosion resistance*
- **What protection does the PVD coating provide?**
 - *The ultimate in abrasion resistance*
- **What manufacturing method produces the strongest rifle barrels?**
 - *Hammer forging*
- **What feature of the XMP trigger gives it the crispest, smoothest trigger pull in the industry?**
 - *Ultra-fine surface polish on both the trigger and sear*
- **T or F – The XMP trigger is adjustable for pull weight by a qualified gunsmith?**
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- **How does the short lock-time of the Model 700 benefit the shooter?**
 - *By shortening the time that the rifle has to shift between when the shooter pulls the trigger and when the rifle goes off*
- **What are the two main benefits of the Remington Model 700's cylindrical receiver profile?**
 - *Extreme rigidity and strong, stable bedding in the stock*
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