

- **Bolt-Action Rifle Torque Settings at Final Assembly**
 OBJECTIVE: Quality Issue
 ACTION: Manufacturing to confirm that processes have been changed at final assembly.
 - Manufacturing fine tuning process
 - Action: Iliion to confirm that all controls are in place by March PTM.
 - Complete and in place

Rutland Plywood 870 Exp stock

- Adds \$0.75 in cost per gun
- Reduces scrap rate
- Should be economic calculation

R&D TOPICS

E-Town Development Topics

- **Model 597 Performance Improvement**
 OBJECTIVE: Performance Improvement of 597
 Action: Diaz to advise of redesign efforts.
 - Different magazine springs & box designs being evaluated
 - Should start shooting new boxes week of 2/2
 - Three different boxes .070", .120", .140"
 ACTION: Get boxes to J Trull once we have redesigned box
 - Objective-reduce malfunctions, make mag box more user friendly
 - Flexible capacity, overall length
 - Changed internal geometry-reduced width and increased height
 - Tested mag springs and mag followers
 - Evaluated 13 different configurations
 - Current malfunction rate 9-15%
 - Narrow box configuration <2%
 - Final proposed configuration was .1%-(1 malfunction in 1300 rounds)
 - 9 Round capacity
 - Design easiest to load clean and dirty-300 rounds on each box

To implement

Need new mag box cores
 Remove 10 on outside of box
 Change follower

To Change to 10 round box

Need new box bottom height
 New mag spring with longer free length
 New springs and extended box bottom on order
 To date- 10 round box is untested and unproven

ACTION: Continue development of 10 round box, evaluate magnum box next.

ACTION: Boxes to Marketing for evaluation. Marketing to provide direction on 9 round vs 10 round implementation

- **17 Hornady Mach 2 Project**
 OBJECTIVE: New Product
 Action: Discuss M504 strategy and M597 strategy for this new cartridge. Need to have shippable product in the warehouse in September this year.
- May require tungsten bolt in 597