

**REMINGTON ARMS COMPANY, INC.**  
**Product Team Meeting Minutes**

**March 16th, 2004 7:30 am EST - Ilion**

**Future Meetings**

April 13<sup>th</sup> - Ilion  
May 18<sup>th</sup> - Ilion  
June 15<sup>th</sup> - Ilion

**Future Important Dates**

April 15<sup>th</sup> -17th NRA Show – Houston, TX

**Business Review**

Jay Bunting to provide overview of current business environment

**OHL Quality Audit Review**

Trull & Fink to give overview of 3/10/05 quality audit at OHL

**ILION BASED SHOTGUN PRODUCTS**

**New Shotgun Product**

**M332 Sporting DL-Diaz/Orf**

- Status on development
- Status from Ilion on implementation plan and requirements
- Update on work on PVD coatings for frame cosmetics
- Scrapped bbl assemblies; Barrel drawings from production not correct and does not match. Will conduct an investigation on how we are building barrels and how drawings do not reflect what is being built
- New barrel sets by April 4<sup>th</sup>. Barrels will be assembled in Ilion within one week.
- Two different finishes to look at. PVD and Nickel plate. One trap set and sporting set of wood; new drops.
- Establish what we can execute.
- **ACTION:** R. Murphy to contact B. Orf regarding rib design
- **ACTION:** G. Sietsema to provide options to Fink to finalize cosmetics

**M332 20 gauge- Diaz/Orf**

- Status on development
- Review Ilion's over-the-top project that was discussed and decided upon at last PTM to give estimate of project requirements
- **Cost estimate being prepared; should have quote by end of March.**

**M1100 Sporting DL-B. Orf**

- Update on Current Status
- Update on receiver cosmetics – Sietsema
- Cost estimate from Orf
- Cost on natural laminate as stock for guns that are going to be dipped in carbon fiber film
- **Action:** B. Orf-Cost estimate by month end.
- Nickel trigger, TPA matte, bolt nickel, Colorworks process, define barrel finish
- **Action:** Fink to visit Colorworks to define "carbon fiber" color

## **2005 SHOT Show Specials**

### **870 FRCL Extra Barrel with Scope Mounted – Shumway/Orf/Skinner**

- Current status of drop testing
- Current status of production timing
- New sample in 3.18 for next drop test. 800 planned in April, cost will increase in enhanced/more robust packaging

## **2006 New Shotgun Products**

### **870 Express Line – Orf/Fink**

- Discuss new cosmetics (changes to stocks)
- **ACTION:** Synthetic stock impact on all Express Guns-\$150K SPS-\$250 SPS/XCR-J. Mead-CAR needs submission ASAP. J Mead to develop matrix and start driving development immediately
- Status of switch over to natural laminate
- Finalizing quotes. Marketing requests transition as soon as possible. B. Orf to report at next PTM
- Status on new syn stock tool (20GA 13" LOP) to accommodate R3 pad
- Discuss current Monte Carlo stock to see if sharp comb can be redesigned

### **2006 Spring Shotgun Offerings**

- Discuss drilling and tapping all turkey gun receivers (except Express guns) for scope rail. New 2006 NPP's for turkey guns specify drilling and tapping. The 5189 will also need drilled and tapped.
- Camo guns changing to Mossy Oak Pattern. Most likely Break-Up- Fink to issue NPP's and RAMACs by next PTM. RAMACS and NPPS issued 3.18
- Discuss production plans to insure soon to be obsolete sku's do not continue to be produced
- Watch inventories

### **870 Slug Gun (Drilled & Tapped Receiver)-Orf**

- Review testing to determine accuracy capabilities of scope mounted on receiver vs. bbl.
- Testing complete, tested vs CL guns. Grouped approx 1/2" worse with screw, 1" without screw. CL-4" @ 100 5 shot w/ copper solid 4.41" with screw, 5.09" without screw. What is repeatability of removing barrel.

**Drilled and tapped receiver without set screw.**

### **870 Combo Barrel Hanger for Retail Display- Orf/Pugliese**

- Status on work done and implementation timeline
- Develop hangtag to advertise extra barrel.-Trull/Mroz
- Review with McCanna

### **1187 Sportsman 20 GA Fully Rifled Cantilever - Orf**

- Status on development
- Discuss Dick's request for delivery this year
- **Action:** B Orf-Barrel length needs will be optimized. May require new cantilever base. By next PTM barrels in the lab to access length, response to base requirement.

### **1100 Classic Field Expansion - Fink**

- Discuss potential of adding 12 GA, 28GA, and .410 Bore Offerings
- B. Orf to check S&K process for stock butt. Need curve for butt plate

## **ILION BASED GENERAL TOPICS**

**Shelf Talker Hangers for Wal\*Mart - Mroz**

- Mroz to provide status update on implementation.

***Implementing now. Need to shorten up plastic tie to prevent tag from dangling too much.***

**R3 Pad on Wood Stocks-B. Orf/B. Skinner**

- Current status and implementation dates.
- Orf to give update of what has been approved and what is in production
- Planning to provide up to date cut in schedule

***Implementing final stocks now. O.K. for 2006 catalog references.***

**NRA Licensed Guns – M. LeMay**

1187 Sportsman

870 Wingmaster

552 with fine line engraving.

- Review finished samples as agreed upon at last PTM.

***Reviewed samples. Looked good. M552 should go with lasered process not roll engraved. Order has been placed for 2 of each with one set being made non-functional for display at NRA.***

**Scope combo box-Update – Perniciaro/Shumway**

Glue from foam insert rubbing off on recoil pad. Ilion to investigate, address, and put corrective action in place.

- Need Status from Engineering on corrective action

***Issue has been resolved.***

**ILION BASED RIFLE PRODUCTS**

**2005 Ilion New Rifle Programs**

**Model 700 Synthetic Stock Redesign Status- Mead**

- Status Update on vendor progress (XCR)
- Camo adhesion on new stock – plans to make sure adhesion is good.
- Status update on production plans Balio

***L/A & S/A YTH stocks have been approved and released***

***XCR running tomorrow. T&P quantities by month end.***

**Custom Foam – RIM Stock for 700 LV SF & 700 Tactical Mead**

- Status Update on progress
- Discuss stock for 700 Tactical (dual front stud testing)

***LV passed, except for bi-pod test. Marketing stated that passing the bi-pod test is critical. Custom Foam needs additional \$3k for bi-pod development. Need conclusion on Custom Foam by 4/30 because B&C would need to have orders by 5/1. Joe is going to concurrently work with B&C to make sure they can supply an acceptable product.***

**Model 700 XCR – TriNyte Coating-G. Sietsema & Balio**

- Need an update on DAT/T&P and Production.
- Intellectual property – status of patent?
- Review black TriNyte coatings samples

***Bodycote running T&P quantities today. Looking at beginning of April build. Still working out logistics involved in product flow. Going to take time to work out all logistical bugs.***

***Provisional filed. Nothing further will occur for 1 year. Will revisit at end of 2005 to firm up patent.***

***Reviewed black TriNyte. Looks good, but do not want to overburden system.***

***TriNyte samples going to reinitiate samples for reps.***

*Look at Custom Shop.*

*Looking at solution to outgassing problem around front scope base hole.*

**Model 700 SPL Fire Control – Mead**

- Update on testing/timing. – Mead
- Discuss an externally adjustable design (M40-XB replacement) – Diaz
- Discuss implementation plans for this fall – All

**6.8mm Rem SPC Bolt Head/Extractor Development – Perniciaro**

- Status of testing and processes
- Status of new magazine box

*Having to modify receiver and bolt head (again). New magazine box tool required. Should have process developed by May.*

**700 Receiver Outside Sourcing Project – McGlory/Perniciaro**

- Status on qualification of outside source of supply
- Establish a plan for where supplemental sourced receivers will be utilized (i.e. which products)

**Ilion Quality Issues – Rifles**

**2006 New Rifle Products**

**Model 700 Varmint Line – Trull/Perniciaro/McGlory**

- Discuss Accuracy Standards (MOA or better accuracy)
- Discuss Trigger Pull Specifications with SPL (confirm SPL will be in this fall's offering)
- Discuss progress with H.S. Precision to improve supply arrangement
- Discuss offerings for 06 Spring Program

*Oehler system is working. Looking at data collection system (\$15k) for targets in box. Marketing considering how to address accuracy from a Marketing standpoint. SPL looking at scheduling build later for SPL. Line stays same for 06.*

**Model 746 (New Gas System) – Zito & Perniciaro**

- Status of new gas system testing
- Status of wood. Need samples as discussed at last meeting.

*Changes to NPP needed. Fire control is not going to change except Kast is looking at something to make the trigger feel better (polish, plating, etc.). Port cover material may change to stronger material. Add carbine version barrel length to .243 and .308. Need to issue RAMAC's. Revised NPP by 3/18/05.*

*.35 Whelen & 280 Rem Nov. 1<sup>st</sup>. For cut in plan, look at pulling in 7400 production to earlier in the year and 7600's in later half of year.*

*DAT testing 75% complete. Production transmittal scheduled for 7/20/05.*

**Model 766 Pump – Trull**

- Trull to issue NPP to mimic cosmetics of Gas gun as soon as wood samples for M746 are available for review.

*Due to logistics involved in switching the line over, 766 will not be a 2006 catalog offering. Will still issue a NPP.*

**Model 552/572 17 Mach 2**

*Perniciaro to investigate feasibility.*

**Model Seven CDL Line – Orf**

- Review samples of walnut and laminate samples as discussed last meeting.

*Orf visiting S&K next week. Trull advised not to change overall length of stock, but changing some fore end geometry is o.k. Will provide update after S&K visit.*

#### **Model Seven XCR - Trull**

- Discuss ability to convert Model Seven SS to an XCR type product
- Could stock tool be adapted for overmold panels? – Mead

*Probably not something we want to do yet (TriNyte) until logistical measures are worked out.*

*Mead looking at possibility of overmolding.*

#### **Limbsaver Barrel Dampening Device – Trull/Diaz**

- Trull to show device to team and discuss what it is supposed to do for accuracy
- Discuss potential for integrating into our line of higher end rifles
- Need to review R&D testing progress if any has been made

*Trull to get pricing from Limbsaver. Trull to get test data from R&D.*

#### **Model Seven YTH SYN Scoped Combo - Trull**

- Discuss potentially offering a YTH combo w/ sourced scope to boost sales in category

*Trull to work on pricing and strategy.*

#### **Model 700 Steel Floorplate for NWTF**

*Looking at investment cast option from Alpha Cast. \$20k in tooling. Piece price of \$14.50 ea. Leadtime is 16 weeks.*

### **R&D TOPICS**

#### **E-Town Development Topics**

##### **NCAR – (New Centerfire Autoloading Rifle) – Diaz**

- Status on Design progress

*Working on EET samples. Shooting for 7.25lbs max weight. Looking at standard contour barrels.*

##### **Model 710 Short Action - Diaz**

- Status on Design progress and EET build & test

*Working on EET. Having to change box bottom to accommodate moving magazine spring forward. Building with SPL fire control.*

##### **Model 504 Smallbore Centerfire – Trull/Diaz**

- Status of 22 Hornet model
- Ammo has initiated project to commercialize .17 Ackley Hornet

*Looking at design. Will require new mag box, mag box housing, bolt head, firing pin and different tooling for machining receiver. Working with ammo to finalize drawings for .17 Rem Hornet. Next step is to put together estimate of capital required for project.*

#### **Mayfield Topics (Will Cover by Phone with Lance)**

##### **Model 710 Metal Receiver – Diaz/Lance**

- T&P Update
- Timing for Implementation

**Model 504-T LS HB – Diaz/Lance/Trull**

- Status of DAT/T&P with new stocks from Boyd's

**Model 504 Improvement Program – Lance/Vicars**

- Update on current progress with program.