

To: Dale Danner
From: Scott Franz

9/1/00

RE: Monthly Status Report

• **CAD Activities**

SolidWorks/SmarTeam:

1. See Harold Davidson's status report for additional information on day to day activities.
2. We're currently running SolidWorks 99 Service Pack 4 (SP4). This is the original version of the software that was loaded in Nov./Dec. of last year. Since then SW 2000, a major upgrade, has been released. This version is currently at version SP6. All indications are that this release is now stable and SolidWorks is recommending that everyone upgrade to this version. MicroSolid Solutions was on site Aug. 11th to demo the new version. Enough enhancements and features have been added to warrant upgrading. We can upgrade SolidWorks software without upgrading the SmarTeam PDM software, which has also released a new version. All upgrades have been received. Our plan is to upgrade everyone to SW2000 in the next week or two. This conversion will take place over a weekend to minimize impact on any of the users. This upgrade will require upgrading everyone to NT Service Pack 5.0 as well. We will wait before upgrading the PDM software to get a history on the SolidWorks upgrade.
3. Ilion did demo a new PDM package on Aug. 31st called Solidplm. This program integrates SAP and the CAD database. No word on how this went or what their plans are.

• **Test Lab Activities**

1. Additional Test Lab activities will be included in Phillips status report.
2. The new bullet trap has been received. Installation will take place in the next week or two.
3. The M/700 EV drop test for Jim Ronkainen continues. The number of load iterations to test has been reduced. Work continues on this as priorities allow.
4. Due to redesign delays Model 710 DAT (Phase 2) is anticipated to start on Sept. 14. A plan is in place and a schedule has been communicated which puts completion at 15 days after test start.
5. Bruce Firman visited E-town on August 23rd. While here he reviewed our plans for air ventilation in the gun cleaning area. He has been in communication with KY regulators and anticipates no issues with direct ventilation to the outside due to the low emission levels. He has requested additional information around solvent types and quantities which he needs to include in a written report before we receive a final OK.
6. M/700 Composite testing of the cost reduced barrel has been completed. No issues were found with this product.
7. M/700 EtronX Hunting Gen2 is currently in test.

8. The lab is currently working on many Ammo Group requests for Marketing samples and photos in support of new product introductions and the catalog.

Overall the lab is very busy and getting busier. Anticipate a high level of overtime needed during the 4th quarter to complete planned testing in support of both Ammo and Firearm projects.

- **Miscellaneous Activities**

1. Gave quarterly reviews to senior management on project status of the Direct Conversion Steel Shot project and a proposed Clay Target Improvement project.
2. Gave update on project status of the Direct Conversion Steel Shot project at the Ammo Product Team meeting held in E-town on August 23rd.
3. Still providing some technical guidance on NAS activities aimed at improving the recoil jack. Primary focus is to lower recoil forces transmitted to gun components (primarily the stock) and to get better agreement in functional performance between the jack and the shoulder.
4. Assisting Ilion (Jim Hennings) in developing procedures to implement a recoil jack maintenance program. The latest date for Jim Hennings visit is the week of Sept. 11.

- **Direct Conversion Steel Shot Project**

1. Wheelabrator samples due on Sept. 16th with various heat treat processes.
2. Jim Urbon has completed evaluation of all Metaltec anneal experiment samples. Hardness is still considerably above Remington specification. Will continue experiments at higher temperatures.
3. Waiting for Frohn samples from Lonoke (Conditioned shot) to run choke strain measurements. Production orders are in place with Frohn for their high quality shot. Delivery is expected in the 4th quarter.
4. Learned that Ervin Industries had recently acquired Crosman's shot making equipment. They will relocate this equipment to their production facility in Tecumseh, MI.