

### 2004 RESEARCH PROJECT IDEAS

	<u>Category</u>
Accessory Business Support	Accessory
New Accessory Item ?	Accessory
Gps Integrated into Stock	Accessory
GPS's talking with other GPS's - Know where your buddy is	Accessory
Ballistic Table for PDA	Accessory
PDA integrated range finder/Ballistic Table	Accessory
Game Camera	Accessory
Video/Scope System -combine with digital scope	Accessory
Game Spotter(infra-red, etc.)	Accessory
Interactive Training DVD: Hunting, Shooting, Gun Cleaning, ?	Accessory
Crumple Pad replaceable Recoil pad	Accessory
Alternate Propellant Study	Ammo
Light weight shellcase for rifle	Ammo
Less-Lethal Concepts	Ammo
Match Rimfire Ammo - review ammo proj 3,5 year plan	Ammo
Training/Tracer Shotshell Load	Ammo
Exotic Bullet Shapes (lubular,?)	Ammo
New firearm/ammo System Platform (hunting handgun)	Ammo/Firearm
Ultrasonics/Rail Gun/???	Ammo/Firearm
Slug Accuracy Investigation (Ammo & Gun Factors)	Ammo/Firearms
M/700EV Electronics Miniaturization (ASIC & Discrete)	Firearm
Zero Displacement Trigger	Firearm
Etronx Commercialization	Firearm
Compliant Mechanism Firecontrol	Firearm
X-course High Power Match Rifle (Etronx)	Firearm
M/7400 Etronx	Firearm
Two-Stage M/700 and 40X Trigger -tie in w/Ronkainen	Firearm
Freebore vs. Accuracy Study	Firearm
Recoil Measurement Study of Current Shotguns	Firearm
Two Stage Electric Trigger (Zero Displacement 2nd Stage)	Firearm
Experimentally Optimized Barrel Contour	Firearm
Closed breech muzzleloader - check with Firearms group	Firearm
Barrel Vibration Investigation	Firearm
Recoilless Rifle	Firearm
Laser ignition Shotgun - corded Shotgun	Firearm
Composite Long rifle barrel for win mag (Alm. outer w/stl lining)	Firearm
Muzzle Brakes	Firearms
Stren/Fishline Initiatives - Guy Colten - How can we help	Fishline
Measure Downrange Shotshell Velocity	Lab
Drop Test Refinement	Lab
Common Firecontrol Dry Cycle Fixture/2100 capability	Lab
New TriggerScan Control	Lab
Shotshell Muzzle Velocity Measurement	Lab
New Dry Cycle Control - USB, W2000/XP capable	Lab
Downbore Centerfire Pressure Measurement	Lab
Exterior Ballistic Velocity Measurement (Doppler) investigation	Lab
Accuracy Measurement System(human factor removed)	Lab
3-D Pattern Measurement	Lab
Multi-range Accuracy Measurement	Lab
Improved High Speed Video Capability-Tie to a project	Lab

New/Improved Dry Cycles (BA, Shotshell, Break Open, etc.)

Failure mode documentation for Shotguns

Competitive Firearms Audit

Recoil Simulator Improvements "Thumper 2"

Develop Bow Technology/Expertise

Mayfield Cost Reduction Efforts

Digital Scope System

Illuminated Fiber Optic Sight

Iron Sighting Systems (peep, etc.)

Youth M/1100 / New Stock + Weight Reduce

Non-Traditional Advanced Rifle Stock

M/700 Synthetic Stock Model

Stock modeling - digitization and prototyping additional stocks

Laminated Stock using Wood & Synthetics

Aesthetically Pleasing Laminated Stock

Cost Effective Super Turkey Stock (Custom Foam)

Target Plant Support (STS, Sp Clays, Bio)

Lab

Lab

Marketing

Marketing

New Business

Production Support

Sight Systems

Sight Systems

Sight Systems

Stocks

Stocks

Stocks

Stocks

Stocks

Stocks

Stocks

Targets