

## Weapons

### 2021

#### **M240/M249 Weapon Mount**

The M240/M249 Shadow mount is a medium duty machine gun mount. The mount is effective on both ground and aerial military assets. Current machine gun mounts in the field today lack one handed release operation, a "Rounds Remaining" counter and secondary Picatinny rails for weapon accessories. The Shadow mount alleviates this burden by incorporating numerous innovative features in the unique weapon mounting solution.

#### **Drone SUAV Less-Lethal removable-platform for crowd control and cover/concealment**

The tactical use of Chemical irritants (CI) such as pepper spray and CS smoke grenades for riot and crowd control has remained unchanged sense WWII. The innovative Aerial Enforcement Solutions LLC (AES) patented product marries Less-Lethal Technology with Drone SUAV technology revolutionizes the capabilities, efficiency, effectiveness, and safety of less lethal product deployment. The AES drone attachment platform allows the military and law enforcement operators to remotely initiate and dispense chemical irritants from a drone to effectively manage crowds and targets from a safe distance. The AES platform dispenses military and Law enforcement CI smoke grenades and CI sprays used for riot control. This technology also dispenses dense colored smoke (currently used by the military) from a drone for signaling, marking, and cover/concealment movements. This devise is also compatible and designed to attach to ground robots used by military and law enforcement.

#### **PyroNemesis Air Striker**

Drawing on 30 years as a special effects pyrotechnician for stars including Tom Cruise, Steve Wolf invented a new technology for wildfire suppression. The ground-based jet engine powered system delivers fire retardant to places inaccessible to fire trucks and airplanes, and is being commercialized through his start-up, PyroNemesis.

### 2020

#### **Shadow Mount**

The M240/M249 Shadow Mount is a quick release mount for medium duty machine guns. The mount is effective on both ground and aerial military assets. BlackBridge Defense has developed a lighter, quicker, and more intuitive weapon mount. The mounts features include a significant weight reduction, rounds remaining counter, single pin quick release mounting pin, elevation lock out pin, ratchet strap integrated into the ammo can compartment to secure, and a fully adjustable single use ammo compartment for M240/M249 feed tray alignment.

### 2019

#### **Oil Lubrication for Fire Arms and Tactical Training Glasses**

Oil) TruRecoil is 100% Synthetic oil designed to keep the fire arm shooting 100% of the time. Glasses) REV Glasses, controlling how much of the target one can see, thus improving Balance, Target Acquisition and Depth Perception.

### **SUBSONIC AMMUNITION – BLACK STRIPE AMMO, LLC (BSA)**

BSA produces subsonic small-arms ammunition in the following calibers: .308 NATO (7.62 x 51mm), 5.56 x 45mm and 7.62 x 35mm (300 Blackout). All calibers can achieve groupings under 1.5 MOA (“Minute of Angle”), meaning that our rounds would all impact a 1.5inch square at 100 yards. BSA employs exceptional case processing procedures and uniquely designed, all copper projectiles. Our hand loading and quality assurance processes along with customization of each cartridge to a specific weapon ensure an accurate and consistently performing product.

### **Quick Draw Traversing and Elevating Mechanism**

Quick Draw is a speedy, instinctive, light-weight, robust, inexpensive T&E mechanism for heavy machine guns that allows gunners to boldly slew their weapons, then instantly and accurately aim at targets by twisting the control handles using fine motor skills while making full use of existing sights. Quick Draw extends the weapons’ practical ranges, reduces ammunition consumption, and is adaptable to both pedestal and tripod mounts. Commanders can attack targets using M2HBs in direct lay fire and MK19s in high-angle indirect fire. Quick Draw makes M2HBs effective long-range sniper rifles and greatly increases the accuracy of MK19 high angle firing.

### **Magazine Speed Loader (Patented)**

Magazine speed loader designed to store rifle rounds securely and load them quickly. The speed

loader installs over the magazine and designed to load magazine with stored rounds in 5 seconds with one downward push. Currently the 10 round loader is 3D printed/prototyped and will store 10 rounds of 5.56, matching current stripper clip quantity. Designed to be filled with rounds and stored, ready to be charged in one push or used to load loose rounds vs thumb method. Scalable to any caliber or rounds. Currently in design of the 30 round 5.56 version.

### **Deep Concealment Weapons Holster Garments**

Whether day-to-day or during combat, weapons concealment can be challenging especially for a woman in uniform. Dene Adams concealment garments secure your firearm and accessories on your body for deep concealment in uniform, dress clothes, burka or under combat kit. By utilizing the contours of the female frame and soft spots like the abdomen and thigh, she can comfortably conceal her handgun and accessories under necessary clothing. The Dene Adams concealed weapons garments provide full trigger protection, level 1 retention, full range of motion, access and target acquisition ability in under two seconds.

### **Attachable Interactive Modular Shooting System**

Trigger Interactive is currently under development of A.I.M.S.S., the Attachable Interactive Modular Shooting System. A.I.M.S.S. is a portable system of wireless smart target attachments that mount to any type of steel firearm targets and allows the targets to interact with a shooter. Controlled by a smartphone app, A.I.M.S.S. delivers complex and dynamic training scenarios while shooting real weapons, with live ammunition, at real targets. By separating the electronics from proprietary targets, our patent pending system delivers a superior portable, realistic, analytic, and cost-efficient method for live-fire weapons training compared to current market options.

### **Proactive UL7 Ballistic Insert**

This patent-pending technology is a one-way ballistic assembly that enables a defender to shoot an assailant through the ballistic assembly with deadly force or disabling effects, while it simultaneously stops the assailant's bullets from passing through to the defender's side of the same assembly. This ballistic assembly is a modular design and can be configured for various sizes and applications. This technology is TRL 8 and addresses the DoD needs for counter-terrorism and UFC/ISC security of DoD facilities. Proactive Ballistic Systems, LLC is seeking a fully-operational demonstration of the UL7 Ballistic Insert (ballistic assembly) using its complete field-test simulation structure at a location determined by the DoD, which will demonstrate TRL 9.

### **Multi-Caliber Flexible Rifle Platform**

In the ever-changing world of firearms, ballistics and ammunition, we believe in building the most versatile small arms platform to empower the members of the military and law enforcement. Using simple barrel and trunnion combo change-outs, our firearms have the

ability to use multiple calibers based on mission needs. This cost-effective weapon can operate under the harshest conditions on the planet based of its unique arms parentage.

## 2018

### **3P HANDGUN FIXTURE Secure firearm maintenance and repair fixture**

Secure firearm maintenance and repair fixture for the 3 most popular polymer handguns , Glock, Smith & Wesson Sigma/M&P series, and Springfield XD models which includes Sig P series of pistols. 3P Handgun fixture produces a work piece securing the slide and frame components of a variety of polymer handguns. But the fixture can be modified to current military issued side arm . The work piece provides a secure attachment for component for repair, modification or other gunsmith related activities without damaging to the components.

### **High Energy EMP Directed Energy Rifle**

Electronics on the battlefield today is the norm. Disabling the enemy electronics such as IED remote triggers from a safe distance will put our soldiers on the advantage. We have a shoulder fired pulse EMP rifle that can disable the enemy electronics providing a strategic advantage to our soldiers reducing injuries and saving lives.

### **CR-12 MAWS (Modular Advanced Weapons System) 12 Gauge Shotgun and Rifles System**

Battlefield scenarios and mission objectives can change quickly. The CR-12 MAWS (Modular Advanced Weapons System) is a first in class field reconfigurable weapons platform. With no tools required can interchange barrels on the shotgun from a short breaching barrel to a standard tactical barrel. Upper receiver can be interchanged with tactical or long-range precision rifles of multiple calibers. With select fire semi/full automatic the CR-12 MAWS provides the flexibility and firepower needed today.