



NGSW

Next Generation Squad Weapons



ARMAMENTS

INDIVIDUAL & CREW SERVED



RM277 WEAPON SYSTEM

- » Maximum lethality, minimum burden
- » Compact and lightweight
- » Provides stable and accurate automatic fire
- » Delivers long range lethality
- » Common architecture for rifle and automatic rifle
- » Designed specifically around the 277 TVCM cartridge

RM277 WEAPON

- » Gas and recoil operated, impulse averaged, air cooled, magazine fed rifle/automatic rifle
- » Short recoil, impulse averaging technology
 - Minimizes recoil loads and weight; enable controllable, accurate automatic fire
- » Dual firing modes
 - Closed bolt in semi-automatic mode
 - Open bolt in automatic mode
- » Ambidextrous controls

PRIMARY CHARACTERISTICS

Minimize Soldier Load
Weapon meets all weight requirements.

Reduced Signature
Innovative suppressor design that minimizes flash and



NEXT GENERATION SQUAD WEAPONS



reduces sound levels to less than the requirement while lasting the life of the barrel.

Controllable and Accurate Fires

Patented Short Recoil, Impulse Averaging (SRIA) technology results in high performance, lightweight weapons that are controllable (Reduced felt Recoil) for accurate long-range engagements.

Common Architecture

Rifle and AR are nearly identical offering many advantages including reduced development and schedule risk, rapid reliability advantages including reduced development and schedule risk, rapid reliability growth, simplified logistics support and training, and lower life cycle cost.

Low Risk

Experienced, knowledgeable team selected from the best in the industry. Our team has a long history of managing major defense programs for design, development and production. The weapon system utilizes mature technologies proven in the other programs.

277 TVCM CARTRIDGE

- » Designed specifically utilizing Composite Materials
- » Advanced Composite Cartridge Case minimizes weight
- » Compacted Propellant Technology minimizes case volume and weight

BENEFITS

- » 30-40% lighter than brass ammo. Weight reduction produces logistical cost-savings while simultaneously lightening the soldier's load, increasing firepower and improving operational effectiveness.
- » Improved accuracy. Manufacturing and quality control processes result in an extremely concentric and consistent case and precise powder drop, producing exceptionally consistent pressure and muzzle velocities.
- » Reduced heat transfer. Composite case insulates the chamber and bolt face from heat transfer, reducing wear and tear on weapon system.
- » Elimination of heavy metals that produce adverse health effects on soldiers.
- » More efficient powder burn results in tighter standard deviations, higher velocities and dramatically less muzzle flash.
- » Significantly reduced production footprint that can be replicated anywhere. On-demand production in theater is a reality.
- » Magnetic retrieval of spent cases saves time during training.
- » Cases are 100% recyclable.