



# HOW TO SAVE \$1,843,200 EACH YEAR With ACME Replica M2 Weapon Trainers

- *Save more than a million dollars annually in ammunition costs with just one replica machine gun trainer with full-force recoil that looks and feels like the real weapon.*
- *Save even more by slashing costs for ranges, gun storage, and weapon wear.*
- *Improve your training results while cutting costs too.*
- *Greater savings available with multiple weapon trainers at one training site.*
- *Qualify gunners for less - cut the 20,000 rounds needed to qualify a machine gunner*

You can save a ton of money using a weapon simulator. The key is having an ultra-realistic replica weapon trainer that looks, feels, and functions just like the actual weapon.

The replica weapon must be able to train the same skills that gunners learn on the range. Students must be able to practice loading, aiming, trigger control, bursts, and adapting to recoil effects. The trainer must monitor the student gunner actions and report status to the instructor.

ACME makes replica machine gun trainers that meet these training needs and more. Here's how an ACME gun trainer can save you a million each year.

Qualifying machine gunners is not cheap. It takes weapons, ranges, armories, instructors, and ammunition. Ammunition is not cheap. And machine guns use a lot of ammunition.

Let's start calculating the savings by looking at the rate of fire. Just how many bullets are consumed?

The maximum rate of fire varies between specific M2 weapon type from 400-575 rounds per minute. Aviation weapons fire much quicker, 800-1100 RPM.

M2's are normally fired in bursts and allowed to cool between the bursts. Sustained rate of fire is less than 40 rounds per minute. Rapid rate of fire is more than 40 rounds per minute. Cyclic rate is 400-500 rounds per minute. Most gunners fire at the Sustained rate.

Let's assume that in an 8-hour training day, the replica weapon fires for a total of two hours. Using a simulator for 2-hours a day is rather conservative. ACME has customers who use our replica weapon systems for two or three-times that notional rate per day. We'll also assume that the trainer is used just 4 days a week. Again, this is conservative usage for simulators. We'll estimate the trainer is used just 48 weeks a year to support non-training times.

Next, consider the cost of ammunition. Ammunition for M2 .50 caliber weapons cost per round ranges from about 2-5 dollars.

Now, let's calculate total savings using the simulator, just in ammunition costs. We'll look at the cheapest rate using our hypothetical scenario at the Sustained Rate of Fire:

**40 RPM rate of fire \* 120 minutes = 4,800 rounds**

**4,800 rounds per day \* 4 days per week = 19,200 rounds**

**19,200 rounds \* 48 weeks = 921,600 rounds**

**921,600 rounds \* \$2 per round = \$1,843,200**



*Firing thousands of actual bullets on the range is expensive...it can be millions of dollars.*

*Save some or all of the ammunition costs with ACME's replica machine gun trainers*

## How to Save Even More

So, the savings are evident at the lowest usage and rate of fire rates, and ammunition costs at the lowest costs. It's easy to extrapolate the greater savings by plugging in a higher rate of fire or pricier ammunition. It's much more likely that you'll use the replica weapon trainer much more than the baseline calculation. Plus, the baseline is the calculation for just a single M2 replica weapon trainer. With a big group of trainees, it's very possible to have multiple replica weapons operating simultaneously. Multiple weapon trainers increase the overall savings.

## Save More than Ammunition Costs

Weapon training includes a lot more than just ammunition. ACME's replica weapon trainers provide more savings for weapons.

ACME replica weapons are not weapons and they are not demilitarized weapons. They are Non-Guns. They cannot fire a round and cannot be modified to fire a round. As non-guns, there is no need for storage in the armory. Right away, you save by eliminating secure storage with ACME weapons.

ACME replica weapon systems have no firing bolts and no recoil gas. With ACME, there's no weapon cleaning needed after training. You save cleaning time, materials, and cost.

ACME training weapons are usable right in the office or out in the field. The system is usable anywhere electric power is available. With ACME, you can decrease range costs. And, with the replica weapon right in the unit facilities you save on costs getting to the range. Your gunners take time away from the unit getting to the range. That time costs you time and energy. Plus, with a large group, you may have additional vehicle costs taking gunners to the ranges for training.

Eliminating even a portion of range time for weapons training saves dramatically. With realistic ACME replica weapons, instructors can accomplish large parts of the training before going to the range. The system trains using realistic recoil to speed up the gunner qualification.

Plus, cutting range time cuts set-up times installing, repairing, and removing targets. Most importantly, cutting range usage reduces the environmental costs like cleaning up brass and lead from the range.

ACME replica weapons enable gunners to practice weapon safety, loading, clearing, safing, arming and more. Instructors can use ACME replica weapons to train for sighting, firing, and re-engaging after the replica recoil. Gunners can practice malfunctions too, all before going to the range for qualification.

## Ready to Start Saving?

Contact ACME for an introduction to ultra-realistic replica machine gun trainers and start saving bullets!

