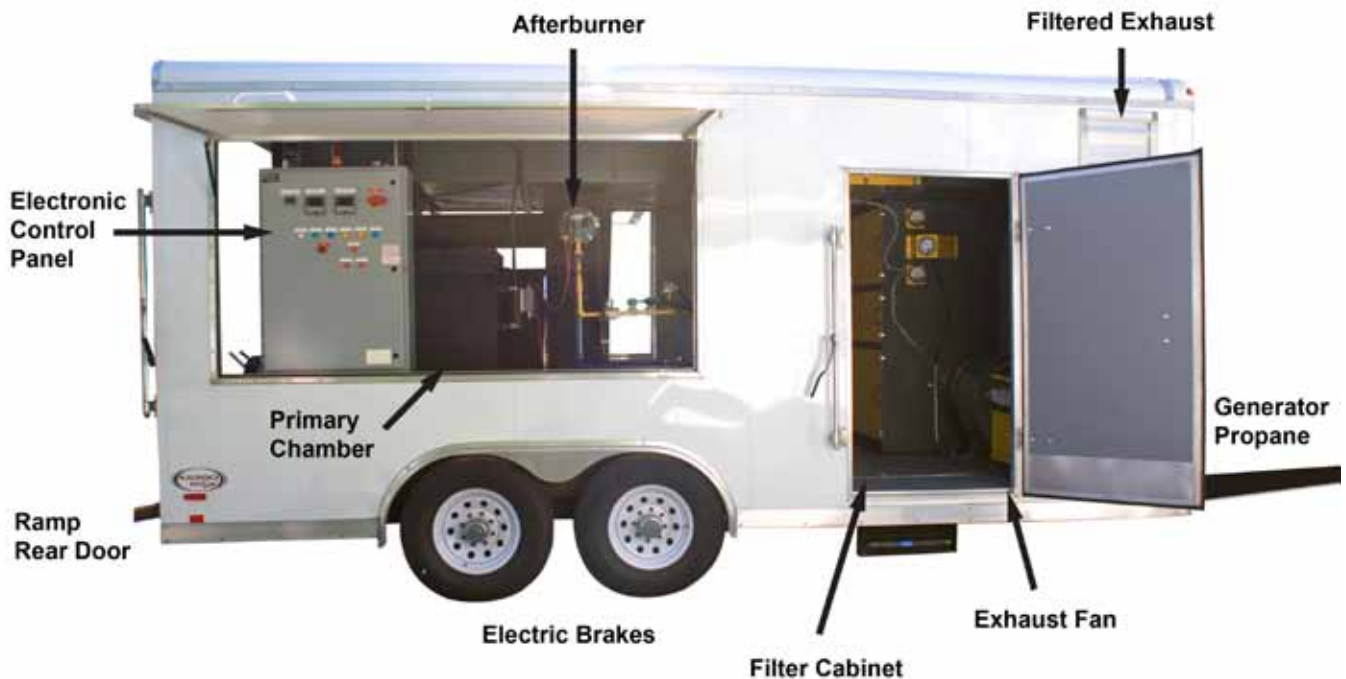


# Ammunition Oven



**The Ammunition Oven renders live and expended ammunition harmless using a technologically advanced design that is safe for EOD operators and the environment**

## KEY FEATURES

- Disposes of ammunition up to 50 calibre on site, reducing the risk of transporting live ammunition
- Denies the insurgent active shooter access to caches of small arms ammunition.
- The destroyed ammunition caches cannot be used as IED components.
- EOD operators can focus on immediate IED threats rather than on the logistics of transporting and disposal of captured ammunition.
- 97% of the recyclable material can be recovered after each burn cycle
- Recovered material can be reused for multiple applications
- Easy to use in the field with minimal training
- Towable or containerised versions
- Uses JP8 fuel supply or four 12.5kg propane gas bottles per 10 burn cycles

## OPERATION

The ammunition oven is securely constructed in 3/8" plate steel armoured shell containing a primary burner where the ammunition is loaded into two trays and detonated.

A secondary afterburner destroys harmful gaseous compounds before emitting exhaust. The burners are fuelled by on-board propane bottles or JP8, resulting in temperatures reaching 454 degrees C (850F) in the primary burner and 871 degrees C (1750 F) in the secondary afterburner.

At such high temperatures the lead melts and flows into a container below the primary burner, while the brass shells remain within the loading trays.

The indirect firing technology results in low emissions, creating an environmentally friendly and safe unit. An electronic control panel monitors temperature, burners and cooling fan operation.



*Ammunition loaded and waiting to burn*



*60 minutes later, 97% recyclable brass and lead ready for recovery*

**SPECIFICATION**

Towable Mobile Unit 4.27m L x 1.83m W, weight 1,808kg (includes 5,000W generator and waterproof canopy)

Containerised Mobile Unit 8m L x 2.6m W, weight 5.4 ton (26ft L x 8'6"W, weight 12,000 lbs) (system includes generator, spare tire and weatherproof cover)

Renders harmless 27kg (60 lbs) of 50 calibre ammunition per hour

Burns 454kg (1,000 lbs) of ammunition in 10 burn cycles per 8 hour operating period before recharge required

Recycling process separates the lead from the brass

Primary combustion chamber burns up to 454 degrees C (850 F)

Afterburner chamber burns up to 871 degrees C (1,600 F)

Control panel monitors the burn cycle

Emergency shut off and safety door shut off system

Primary chamber has steel plated hinged overpressure relief doors to ensure operator safety

Suggested operation at a minimum distance of 225m (750 ft) from an occupied facility

