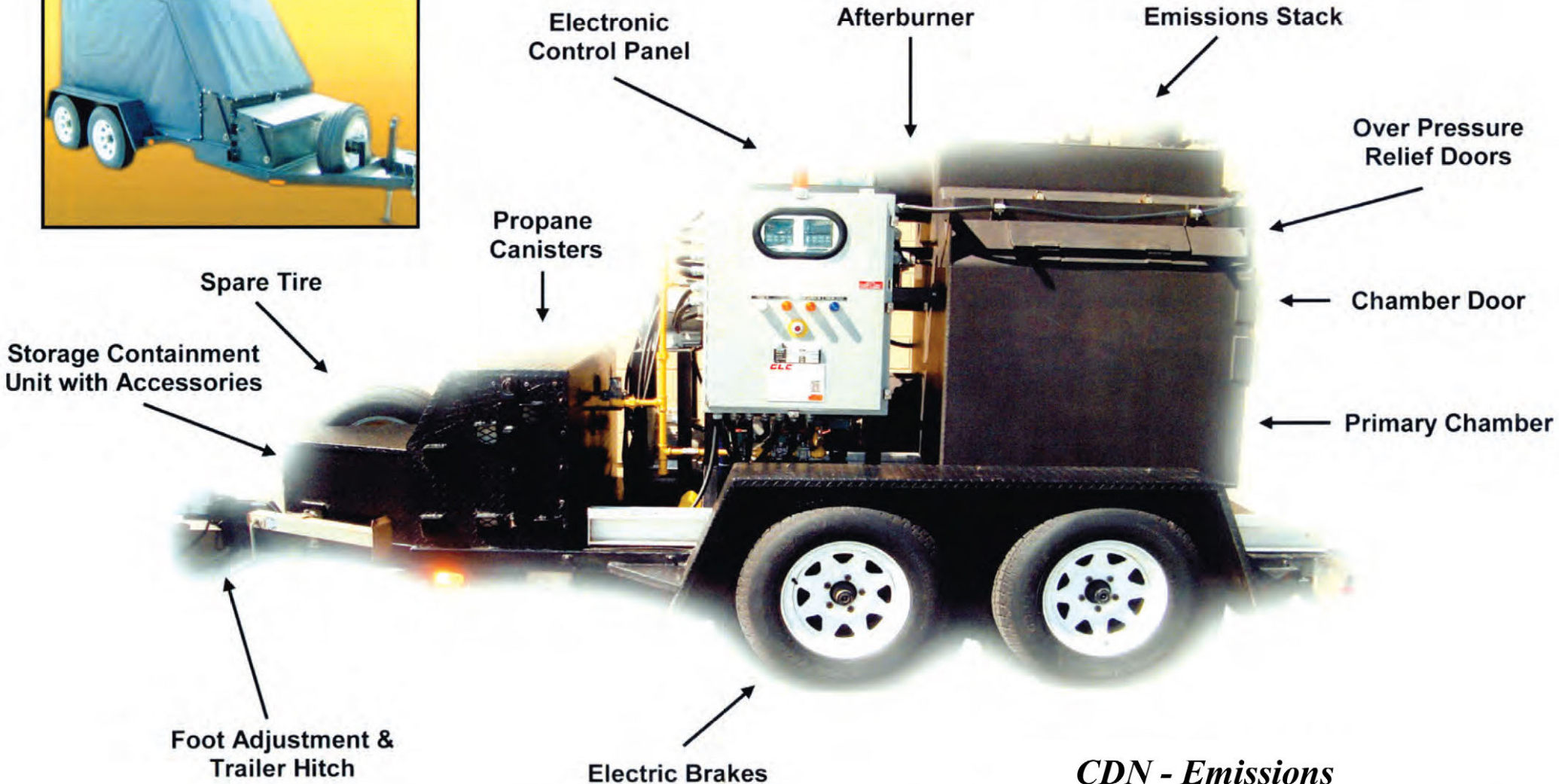


# MACS Mobile Ammunition Combustion System

Developed in Partnership with the Royal Canadian Mounted Police



Designed & Manufactured in Canada by TWB Designs  
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### Mobility Trailer

- ◆ Double axel trailer with 205/75 R14" tires, load range C, 5 tires including a full spare.
- ◆ Electric brakes with a 7 pin 12V DC electrical connector and rear mounted tail-lights (Ministry of Transportation specs.)
- ◆ Structure designed to be towed by vehicles with a minimum of a Class IV Hitch, using a 2" towing ball. Includes 2,268 kilogram retractable tongue jack.
- ◆ Fully enclosed waterproof canopy included.
- ◆ Complete burner assy with trailer
- ◆ Dimensions are 4.27 meters (L) x 1.83 meters (W)
- ◆ Weighs 1,809 kilograms

### Primary Combustion Chamber

- ◆ 0.9525 cm steel plate with 2 hinged overpressure relief doors
- ◆ Burn temperatures up to 537.78 degrees C
- ◆ Core ext. dimension 88.9x91.4x101.6 cms

### Afterburner Combustion Chamber

- ◆ 0.9525 cm steel plate with a removable top plate
- ◆ Burn temperatures up to 1,260 degrees C
- ◆ Core dimension are 30.48x35.56x101.6 cms

### Heat Source

- ◆ 3 x 12.5 kilogram propane tanks as specified by RCMP
- ◆ 2 removable hold-down mechanisms to allow for refilling
- ◆ Contained in a weatherproof, lockable steel compartment and vented through the bottom.

### Loading Trays

- ◆ 2 removable ammo containment trays
- ◆ Dimensions for each tray are 43.18x83.82x7.62 cms

### Electronic Control Panel

- ◆ Dimensions are 60.96x76.2x20.32 cms
- ◆ Yellow strobe light to indicate "cooling cycle complete"
- ◆ Red strobe light to indicate "burner lighting malfunction"
- ◆ 4 colour coded indicator lights; white "power on", yellow "afterburner on", yellow "main burner on", blue "cooling cycle on"
- ◆ 2 LED Meters to display temperature of the main chamber and the afterburner chamber with Type "K" thermocouples
- ◆ An hour meter is located inside each electrical panel
- ◆ All panels have a Red Emergency Shut-off button
- ◆ Hand held remote unit with "on/off" switch and "reset" button with 9 meter electrical cable with connection to the Control Panel

### Portable Electric Generator

- ◆ 5,000 watt gasoline powered 9HP Honda GX270 OHV gasoline engine with recoil start.
- ◆ CSA approved generators
- ◆ Weatherproof cover
- ◆ 2-20 amp, 120volt receptacles, GFCI circuits, 1-50 amp straight blade NEMA 6-50R circuit.
- ◆ Dimensions are 81.28x55.88x55.88 cms
- ◆ Weighs 102.51 kgs

### Storage Containment Unit

- ◆ Lockable weatherproof lid
- ◆ Includes following elements; 2 pair leather palmed gloves, 20 litre UL Approved gas can, 2 pairs of steel hooks for removing the HOT trays, 1.36 kg fire extinguisher (dry chemical A-B-C)
- ◆ ULC Approved, 2 ton hydraulic jack with a 21 mm wheel wrench

### Lead Recovery Containment Unit

- ◆ Hinged door for removal of HOT lead
- ◆ Stainless steel catchment bucket for lead recovery

Patent Application No.: US 10/242,764 and CA 2,402,939, both applications filed under "Remotely Activated Armoured Incinerator with Gas and Emission Control".