



**ECO WASTE SOLUTIONS**

# Clean Burning Solutions Product Spotlight

## ECO Mobile

### technical **description**

**General:** EWS' proven ECO Model was technologically re-engineered to create the ECO Mobile containerized incinerator. This innovation was designed for ease of transport, minimal assembly and immediate activation.

**Controls:** Main Control Panel contains motor starters, overloads and relays for all components with single-point electrical connection. Programmable Logic Controller (PLC) monitors system functions and provides automated control to the package.

**Containerization:** Available as 20' ISO shipping containers or tricon based modules.

**Temperatures:** Primary Chamber: 1200°F-1560°F(650°C-850°C) Secondary Chamber: 1562°F-1832°F(850°C-1000°C) with a minimum retention time of 2 seconds.

**Package:** Custom-engineered to meet global military specifications or standard civilian/industrial versions available.

### technical **specifications**

**Fuel Supply Options:** diesel, fuel oil, JP8, natural gas, arctic diesel, propane and waste oil.

**Power Supply:** Typically 3 phase, 220 V, 60 Hz., other power supply options available.

**External Casing/Finish:** 1/4" (0.6 cm) thick mild steel, sandblasted and coated with rust inhibiting and heat resistant paint.

**Internal Lining:** Walls and roof: 6"(15.24 cm) thick ceramic fibre modules. Floor: factory cured, 6"(15.24 cm) thick reinforced castable monolithic refractory

**Burners:** Electronic auto spark mechanical packaged burners with flow modulation.

**Blowers:** Forced air heavy-duty blowers for cooling and combustion air, with automated modulating dampers and speed control (VFD) on Secondary.

### **advantages**

- Rapid deployment
- Minimal field assembly required
- Single point connection for utilities
- Automated, easy to operate
- Adaptable to wide range of waste materials
- Compliance with strict environmental standards

### acceptable **waste streams**

Camp Waste  
Community Waste  
Biomedical Waste



### **capacities**

| Models                 | ECO M500             | ECO M1TN              | ECO M2TN              |
|------------------------|----------------------|-----------------------|-----------------------|
| Capacity/<br>24 hrs    | 450 Kg<br>(1000 lbs) | 1000 Kg<br>(2200 lbs) | 2000 Kg<br>(4400 lbs) |
| # of ISO<br>containers | 3 x tricons          | 2-3 x 20'             | 2-3 x 20'             |

□ Capacity is based on typical solid waste densities



**ECO M500 (tricons)**



**ECO M1TN or M2TN**

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