



Advanced Explorations Inc.
Toronto, Ontario M5C 1N7
50 Richmond Street East, Suite 300
Phone: (416) 203-0057
Fax: (416) 203-0055

Advanced Explorations Inc. Garbage Disposal System

Smart Ash CYCLONIC BARREL BURNER®



**Over 3,000 in use
around the world**

**This Multipurpose
Incinerator is used for:**

- Remote Locations
- Mining Camps
- Job Sites
- Oil Drilling Operations
- Truck Stops
- Construction Sites
- Islands
- Barges
- Campsites
- Military Installations

**EPA Approved for
Small Batch Incineration**

ELASTEC 
AmericanMarine
Manufacturing Environmental Products
www.smallincinerators.com





Smart Ash

CYCLONIC BARREL BURNER®

The air powered Smart Ash uses no external fuel. Simply load a 55 gallon (208L) open head steel drum, light the load and clamp on the lid. A whirlwind of fire and intense heat is created inside the drum, burning your refuse with no smoke and no smell. Thousands of satisfied customers are currently using Smart Ash around the world to eliminate a wide variety of burnable waste materials. Combustion is complete, leaving ash equal to 3% by volume of the original load.

Smart Ash Burns:

- Oil-soaked Absorbent Materials
- Used Filters
- Waste Oil
- Paper Waste
- Wood By-Products
- Oily Rags, Gloves, Clothes
- Grease
- Domestic Waste

DESCRIPTION

Construction	Stainless Steel Lid, Painted tubular Steel Frame, 2 blowers, Acid Tank 120v standard or 220v optional
Requirements	55-Gallon (208L) Steel Open Head Drum
Weight	46-lbs. (21 kg) Without Drum, 139-lbs. (62 kg) With Drum
Height	46" tall (116 cm)
Floor Space	(With Drum) 36" x 26" (91 x 66 cm)
Average Burn Rate	50 lbs/hr (22 kg/hr)
Requirements	
Electrical	120v or 220v AC
Location	Indoor

Air pollution tests: Smart Ash has been tested following EPA testing formats. Federal EPA publication (Federal Register 43 CFR part 63) exempts Cyclonic Barrel Burner from State Emission Plans. Emission test data available upon request.



1 LOAD DRUM



2 ATTACH AIR HOSE - BESS ID ON DRUM



3 LIGHT LOAD - TURN ON MINIMUM AIR



4 CLOSE & CLAMP-UP



5 INCREASE AIR SUPPLY SLOWLY - FIRE WILL BURN CLEAN



6 WASTE IS REDUCED TO 3% ASHES BY VOLUME

Ask for our instructional video, CD or DVD on the operation of the Smart Ash Multipurpose Incinerator.

Over 3,000 in use around the world

Smart Ash success stories

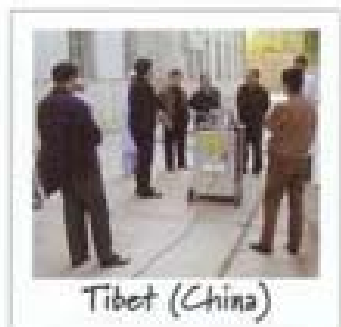
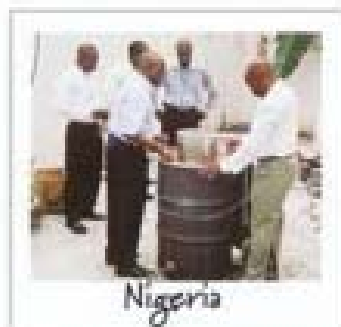
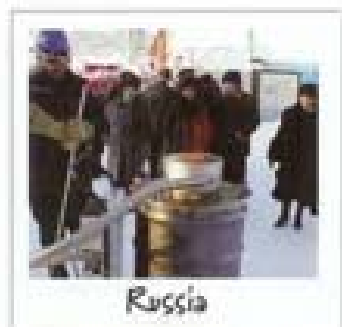
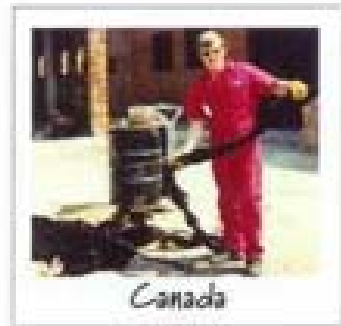
Our Smart Ash portable incinerators have had fantastic success around the world. Customers have written telling us how great a job the Smart Ash does for them.

We are from the USCGA's to Navigation Team and we would like to say that your Smart Ash is an excellent product. I suggested that we should have one due to our excess of waste products from the lighthouses. We now have two Smart Ash burners and we use them for all the trash that is included in the regulations.
IMO Richard Hoyt

Our company purchased an Elastec incinerator and we are very pleased with the performance of the unit. Management is quite satisfied with the results because it saves us disposal costs and leaves very little ash. It is a very good unit.
Rodrigo Bustamante - Maintenance Engineer Puerto Ventanas S.A.

We work at a remote Hydraulic Generating Station in Northern Manitoba. As part of an Environmental Management System initiative plan to minimize the effects of our waste stream, we bought a Smart Ash burner. It has proven itself beyond a doubt. It reduces piles of greasy city rags to mere cups of ash with no smoke and the residue is harmless. I would recommend this product to anyone.
Don - Manitoba Hydro

The Smart Ash is a great product, it is very efficient and fast. Nothing is left but the metal part of the oil filter and a small amount of ash. We are very pleased with it.
Mickey - Mississippi River Transporters



ELASTEC 
AmericanMarine
 Manufacturing Environmental Products
www.smallincinerators.com

Tel: (616) 382-2525
 Fax: (616) 382-3610
 E-mail: elastec@elastec.com
 1309 West Main, Corns S. 68821 USA

Oil Away Attachment

An accessory for waste oil disposal and general incineration

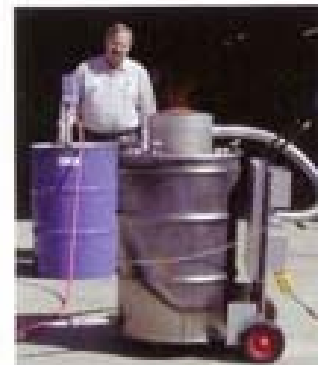
The Oil Away Attachment is an accessory for the Smart Ash Incinerator. The Oil Away System injects waste oil into a burning Smart Ash and can be used for "wet" loads typically not burnable in the Smart Ash because the waste stream has high moisture content. Designed for loads with moisture contents above 15%, a Smart Ash with the Oil Away Attachment significantly increases the types of refuse and waste materials that can be burned. Waste oil is eliminated at rates up to 6 gallons (23 L) per hour.

Smart Ash with the Oil Away Attachment can burn:

- Waste Oil for Disposal
- Restaurant Waste
- Organic Materials
- Oily Rags, Gloves, Clothes
- Paper Waste
- Absorbent Materials
- Filters
- Wood By-Products
- General Non-Hazardous Waste

Oil Away Attachment includes:

- Metered pump (3-6 gallons per hour) (11 - 23 Liters/hr)
- Hose to Reel
- Reel inside drum
- Nozzle
- Fittings and attachments

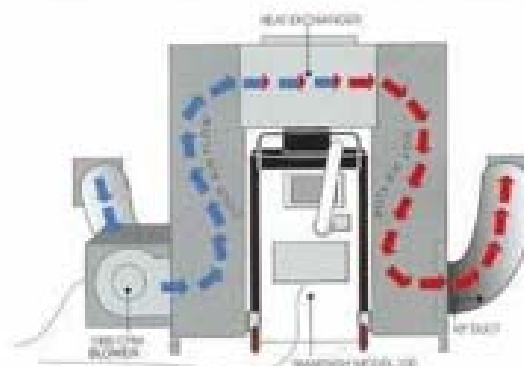


SmartHeat

ENERGY RECOVERY FURNACE

Smart Heat is used in conjunction with Smart Ash or Smart Ash with the Oil Away Attachment installed.

Smart Heat is easy to operate. Load the Smart Ash, light load and when positioned under Smart Heat's heat exchanger, switch on Smart Heat's 1000 cfm blower. Heat from the Smart Ash warms the air flowing through the heat exchanger and returns air to the facility. Smart Heat burns on site materials and generates free heat for buildings, a smart solution for the disposal of oily absorbents, rags and filters.



Located outside the facility, Smart Heat pulls cool air from inside the building and circulates heated air back into the building.

TECHNICAL DATA

Construction	Heat exchanger, heavy-duty steel with heat resistant coatings
Weight	400 lbs. (171 kg)
Dimensions	67" tall, 60" long, 37" wide (170 cm x 152 cm x 94 cm)
Fuel source	Oil waste
Fuel Container	Smart Ash Model 100 (6-gal) (23L) steel drum (not included)
Electrical	Two, 120 volt outlets or 220 volt optional
Location	Exterior



ELASTEC
AmericanMarine
 Manufacturing Environmental Products
www.smallincinerators.com