

# BIOCHAR TECHNOLOGIES

## BATCH CARBONISER

### PRODUCT INFORMATION

**SERIES 1 STYLE**  
**MODEL 250MG**

The Series 1, Model 250MG Batch Carboniser is a unique device for converting organic wood waste material into biochar. It is a very simple, compact and reliable pyrolysis system with built-in temperature measurement that allows good quality biochar to be produced from waste organic material when and where required.

#### **SERIES 1 STYLE, Model 250MG**

The **Model 250MG** batch carboniser is designed for on-site or remote locations where woody waste material is available. A simple temperature measurement & recording system provides monitoring of the carbonization process to ensure completion and indicates when it is safe to extract the biochar product.

At the end of each batch the biochar is deposited into the discharge drawer from where it may be removed for further processing as needed.

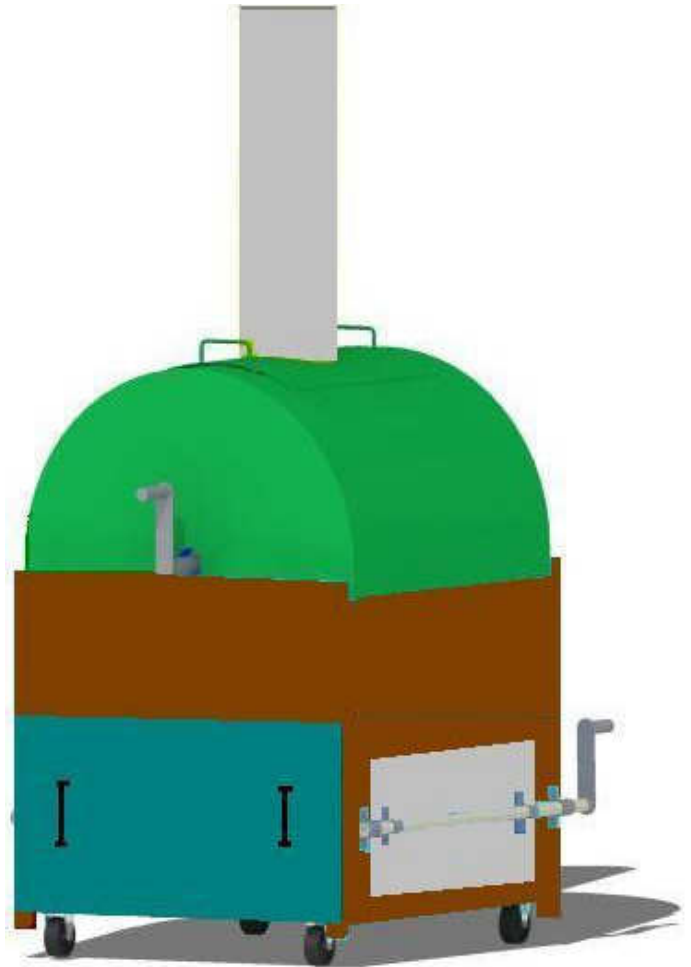
The unit is supplied as a complete system ready for use complete with built-in solar panel and 12 volt battery.

The unit is extremely rugged in construction. Routine maintenance and mechanical adjustment have been minimised by good design and selection of suitable materials for the duty.

#### **APPLICATION DATA**

Selection of the most suitable model for the application is based on an assessment of Biomass Dimensions; Biomass Type; Bulk Density; Max/Min. Lump Size; Moisture content; Purpose of BioChar; Operating Conditions; Biochar Requirements.

Please ask for our Application Questionnaire to help us select the best model for you.



#### **MODEL 250MG BATCH CARBONISER**

#### **FEATURES:**

- **SOLAR PANEL**
- **WOOD GAS PREHEATER**
- **SLOW PYROLYSIS**
- **BUILT-IN TEMPERATURE SENSOR**
- **TEMPERATURE RECORDING**
- **TEMPERATURE V. TIME LOG**
- **BATCH COMPLETE INDICATOR**
- **EASY REMOVAL OF BIOCHAR**
- **AUSTRALIAN DESIGN & MANUFACTURE**
- **LOCAL TECHNICAL SUPPORT.**

### **BIOCHAR TECHNOLOGIES**

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## BATCH CARBONISER

### PRODUCT INFORMATION

**SERIES 1 STYLE**  
**MODEL 250MG**

#### MECHANICAL DATA

Dimensions (mm): 1500L x 1000W x 2050H

Loading Port (mm): 700L x 335W

Weight: Approx. 350kg.

Materials: Mild steel; special steels;  
ceramic fibre insulation.

Capacity: 0.25 cubic metre.

#### ENVIRONMENTAL DATA

Temperature: -5 to + 50 C

Humidity: 5 to 95%

Ingress protection: IP65 to AS1939.

Avoided CO<sub>2</sub>: Approx. 3 times weight of  
biochar produced.

#### TECHNICAL DATA

Power supply: 10W solar panel with charge controller  
and 12Vdc battery.

Pre-heater: Two x 20 litre wood gasifiers

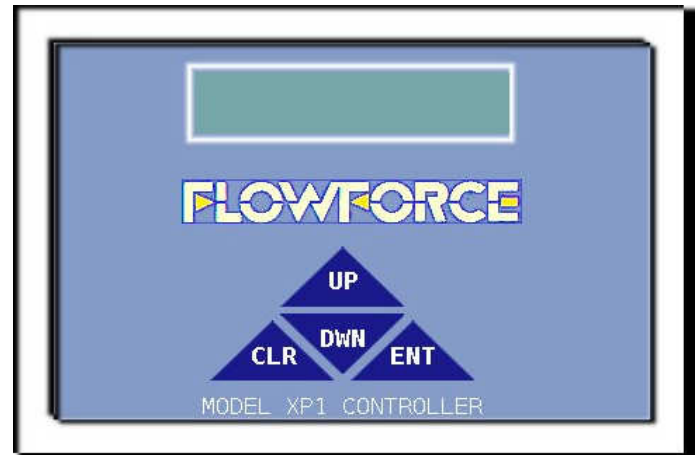
Measurements: Drum Temperature.  
Drum weight (option).

Display: Drum Temperature (deg C).  
Status (e.g. Warm-up; Pyrolysis;  
Cooling; Ready to Discharge).

Alarms: High Drum Temperature.  
System Trouble.

Batch Report: Drum temperature v. time;  
Biochar produced; CO<sub>2</sub> avoided.  
All data stored to memory card.

#### LOCAL DISPLAY & KEYPAD



#### OPTIONS

Drum weight measurement (for carbon credit claims).

Hot water jacket for non-mobile applications (pending).

*If your business produces woody waste material then you have an opportunity to profit from this waste by making and selling biochar while also helping to reduce greenhouse gases by capturing carbon and reducing landfill.*

For further information on biochar see:  
Adelaide Hills Biochar Initiative: [www.ahbi-blog.com](http://www.ahbi-blog.com)

For all enquiries please call:

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*Specifications are subject to change without notice.*

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