

BIOCHAR TECHNOLOGIES

BATCH CARBONISER

PRODUCT INFORMATION

SERIES 1 STYLE
MODEL 25M

The Series 1, Model 25M **Batch Carboniser** is a unique device for converting organic waste material into biochar. It is a very simple, compact and reliable pyrolysis system with built-in temperature measurement that allows up to 25kg of good quality charcoal to be produced from approx. 50kg of dry woody waste material when and where required.

SERIES 1 STYLE, Model 25M

The **Series 1 style** batch carboniser is designed for on-site or remote locations where organic 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.

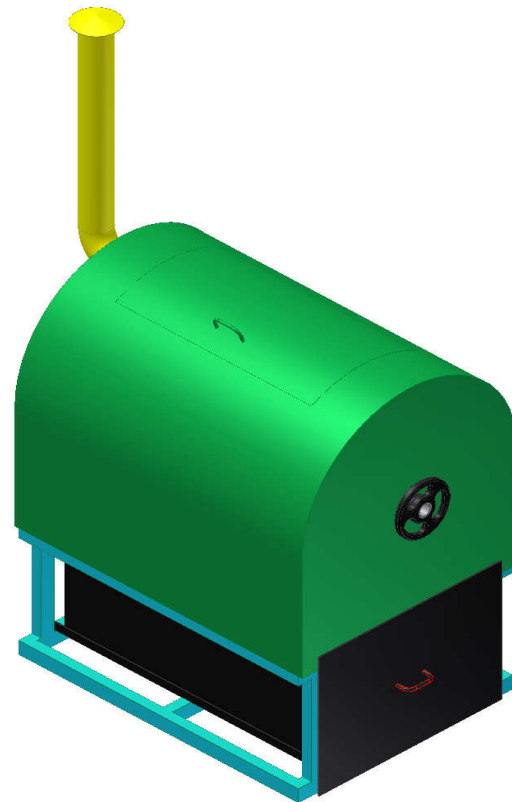
The unit is supplied as a complete system ready for use after ensuring that battery voltage and gas supply are both adequate.

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 25M BATCH CARBONISER

FEATURES:

- **BUILT-IN POWER SUPPLY**
- **TEMPERATURE SENSOR**
- **TEMPERATURE RECORDING**
- **TEMPERATURE V. TIME LOG**
- **BATCH COMPLETE INDICATOR.**
- **EASY REMOVAL OF BIOCHAR.**
- **AUSTRALIAN DESIGN & MANUFACTURE.**

BIOCHAR TECHNOLOGIES

BN 04953770

23A TENTH STREET, BOWDEN SA 5007 AUSTRALIA

TEL: (08) 8346 4006; FAX: (08) 8346 4538;

EMAIL: sales@flowforce.com.au WEB: www.flowforce.com.au

BIOCHAR TECHNOLOGIES

BATCH CARBONISER

PRODUCT INFORMATION

SERIES 1 STYLE
MODEL 25M

MECHANICAL DATA

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

Loading Port (mm): 700L x 335W

Weight: Approx. 350kg.

Materials: Mild steel; special steels and other for high temperature parts.

ENVIRONMENTAL DATA

Temperature: -5 to + 50 C

Humidity: 5 to 95%

Ingress protection: IP65 to AS1939.

Captured CO₂: Approx. 2.5 x Weight of Biochar produced less 3 x Weight of LPG used.

TECHNICAL DATA

Power supply: 12Vdc rechargeable battery.

Fuel Supply: LPG 9kg bottle for warm-up.

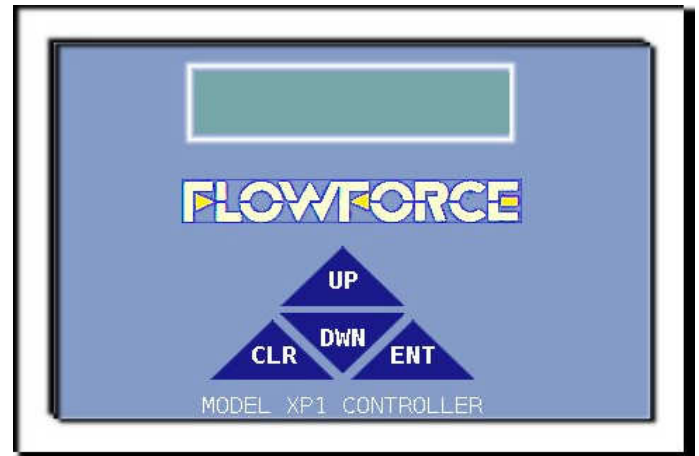
Measurements: Drum Temperature.

Display: Drum Temperature (deg C).
Warm-up in progress.
Pyrolysis in progress.
Cooling in progress.
Batch Complete.

Alarms: High Drum Temperature.
System Trouble.

Data Outputs: Temperature v. time data set via RS232C.

LOCAL DISPLAY & KEYPAD



OPTIONS

Solar panel battery charger

Audible or Flashing Lamp alarm.

Hot water jacket (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.

For further information on biochar see:
Adelaide Hills Biochar Initiative: www.ahbi-blog.com

For all enquiries please call:
BIOCHAR TECHNOLOGIES
23A TENTH STREET, BOWDEN SA 5007 AUSTRALIA.
TEL: (08) 8346 4006; FAX: (08) 8346 4538
INT'L TEL: (618) 8346 4006; INT'L FAX: (618) 8346 4538
EMAIL: sales@flowforce.com.au
WEB: www.flowforce.com.au

DECEMBER 2010
Specifications are subject to change without notice.

BIOCHAR TECHNOLOGIES
is a business unit of
FLOW FORCE TECHNOLOGIES PTY LTD (ABN 27 008 173 591).

BIOCHAR TECHNOLOGIES
BN 04953770
23A TENTH STREET, BOWDEN SA 5007 AUSTRALIA
TEL: (08) 8346 4006; FAX: (08) 8346 4538;
EMAIL: sales@flowforce.com.au WEB: www.flowforce.com.au