

Biomass Environmental Solutions Ltd

Combination Grader and/or Dryer

Our unique combination grader and dryer which has been developed by ourselves has been designed for the processing of wood products, agricultural & equine waste of various composition, sizes and moisture content, to be processed for various source products, requiring grading and/or reduction in moisture content for final processing.

example, Arboricultural waste for pellet production, from 65% MC down to 10% MC
example, equine waste for briquette production, from 80% MC down to 14%MC

Output rates vary from incoming moisture content, up to 1000Kg per hour.

Unique design:

All equipment has been designed and manufactured in the UK,

The system is modular in design to allow for various sizing and processing in one system, with easy expansion of output options.



Construction

The unit is easily assembled on site with bespoke sections



Operation

User friendly controls, web based for remote access and monitoring, will give modulation control of the speed of the system components to give maximum moisture absorbency



Final products

Example of processed equine waste:

Initial product 85% Moisture content, final product 14% MC direct to briquette process plant

Output production at 600 kg per hour.



Request for quotation

As much information as you can provide about your product will assist in the initial enquiry.

Please include the initial state, including size, moisture content and quantity.

Please provide information how you need the final product and rate of production.

Indicate where the product is likely to be installed, any restrictions etc.

Outline specification

Dryer Units	Model No	<u>RE150</u>	<u>RE300</u>	<u>RE600</u>
Absorption		Absorption rates at operating temp 20/C 75% RH		
		6.45l/hr	14.16l/hr	26.66l/hr
		Absorption rates in full recirculation mode 50/C		
		13,54l/hr	29.73l/hr	56.21l/hr
Weight		130 Kg	220 Kg	497 Kg
Power supply				
240/415V 50Hz		32A SPN	32A TPN	50A TPN
Waste connection size		3/4" BSP	1 1/2" BSP	1 1/2" BSP

Grader section				
Base size		1.6 X .35	1.6 X .35	1.6 x .35
Tier levels		4 tier	5 tier	6-7 tier
Weight		60 Kg	75 Kg	90-105 Kg
Power supply		16A SPN	16A SPN	16A SPN
240V 50 Hz				

Plenum section	FS1	FS1	FS2
Overall footprint	2.4 X 2.2	2.4 X 2.2	2.4 X 2.2
Overall height	2.2 metres	2.6 metres	3.0 metres

Sizes and specification subject to change for bespoke projects

