



BIOMASS RENEWABLE ENERGY BOILERS

Biomass Energy.....

**Bio Junior
Boiler Systems
50kW - 300kW**



**Bio Senior
Boiler Systems
400kW - 2000kW**



www.talbotts.co.uk

...An economic alternative



BIOMASS - RENEWABLE ENERGY SYSTEMS

■ *Increased Fossil Fuel Costs?*

With increased oil, gas and energy costs - Talbot's has responded to this with the introduction of a biomass energy system to produce 50kW - 2000kW of heat.

The BIO JUNIOR range is designed as a standard package inclusive of a fully automatic bunker feed system. The small size makes the unit ideal for installation on farms, larger domestic rural properties from 5 to 15 bedrooms and anywhere that there is a readily available supply of fuel.

The BIO SENIOR range is designed for larger applications and offers customers a good selection of heat outputs. Our sales representatives will work with you to determine the right size system for your operation.

They are 'rugged' systems capable of utilising a wide range of biomass fuels; these include forestry and agricultural residues, wood chips, wood pellets and energy crops such as coppiced willow, grown as a short rotation crop, and Miscanthus (elephant grass). Designed for British Derived Wood Chip for operation in a British Climate. Recommended Wood Chip Size average 25mm.

Talbot's Background

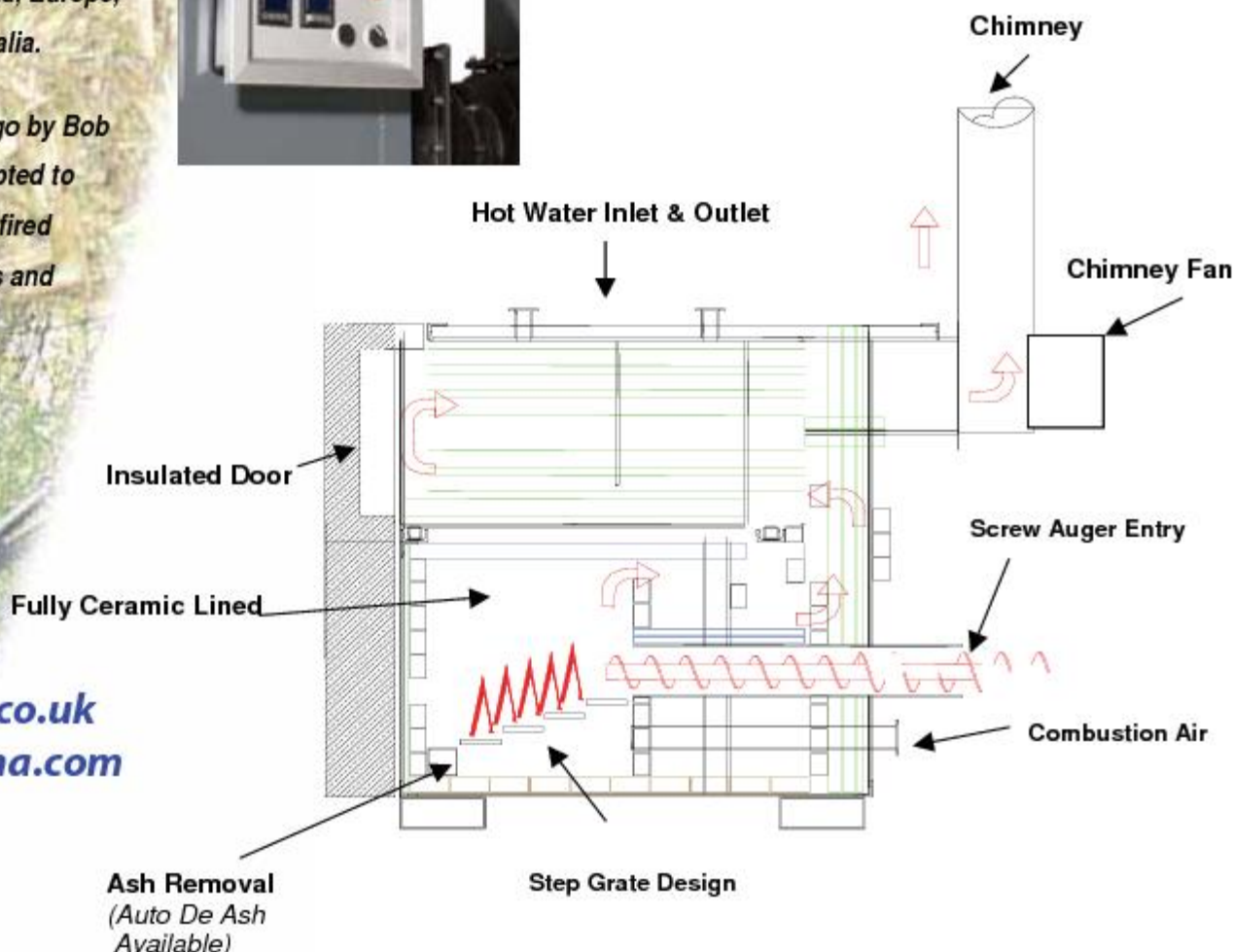
Stafford based Talbot's is the UK's leading manufacturer of biomass energy systems. A world leader in the ongoing development of biomass burner technology, the company has over 4,000 working installations as far a field as the USA, Canada, Europe, Asia, Russia and Australia.

Established 30 years ago by Bob Talbot, who was prompted to produce his first wood-fired boiler after the oil crisis and three day week of the mid-70s; the company is still very much a family concern today.

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■ Sophisticated, Yet Easy to Use Controls



■ Rugged Bunker Feed System for BIO JUNIOR



■ Horizontal Heat Exchange for clean combustion



■ Combustion Zone



■ Chimney Fan



■ OPTIONAL EXTRAS

- Auto De-ash
- Additional Storage Capacity
- Semi-Auto Ignition

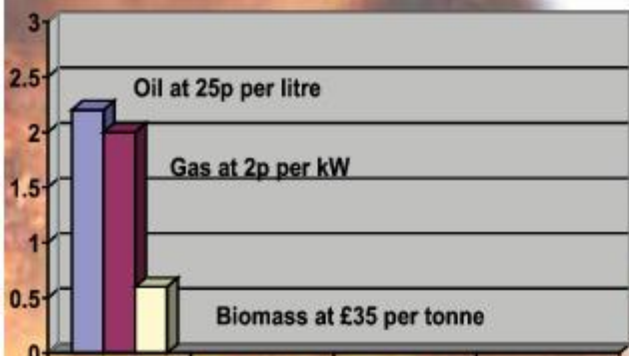
■ UNIQUE FEATURES

- Rugged System capable of using a variety of fuels - Wood Chip, Pellets, Miscanthus, SRC, etc.
- BIO JUNIOR comes with integrated fuel storage as a standard package.
- Sophisticated controls regulate fuel feeding and combustion rate to suit heat requirements, achieving maximum efficiency.
- Step Grate System.
- Unique Horizontal Heat Exchange with ash drop points for maximum efficiency & clean combustion.
- Combustion chimney fan, standard for safe operation. (negative pressure)
- Easily linked to existing pipe work systems.
- Minimum maintenance required.
- All round insulation for maximum heat resistance.
- Clean, high temperature combustion zone.
- Low ash level due to complete combustion
- Ash clean out door with option of auto de-ash.
- Inspection cover & Sight inspection glass.
- Single phase electric connection - easily installed into existing supply.
- Screw fed fire protection system.

Talbot's



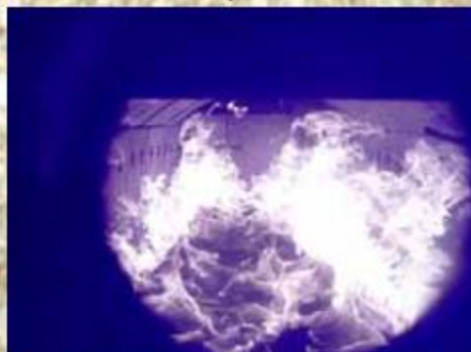
Cost Comparison - Domestic Fuel Supply



The table shows heating oil at 2.2p per kW at a delivered cost of 25p per litre, gas at 2p per kW and biomass at 0.6p per kW at a delivered price of £35 per tonne. This gives an annual saving of 66% against natural gas.



BIO SENIOR Step Grate Chamber



BIO SENIOR Moving Floor



BIO SENIOR Horizontal Heat Exchange

Talbott's has boilers for every application and use. Be sure to ask about which model is best suited for you:

BIO JUNIOR MODEL	Output	Storage
	50kW	5 m ³
	100kW	10 m ³
	150kW	15 m ³
	300kW	20 m ³

- Junior Range supplied with fixed step grate.
- Front Auto De Ash option available
- Semi Auto Ignition available for Junior Range Models

BIO SENIOR MODEL	Output
	400kW
	500kW
	600kW
	750kW
	1000kW
	1500kW
	2000kW



BUNKER NOT INCLUDED WITH BIO SENIOR MODELS

- Speak with a Sales Representative for details on pricing
- Senior Range are supplied as standard with full grit arrester cyclone and Auto de ash

BIO SENIOR RANGES:

- a large high temperature ceramic lined furnace
 - the air is injected at three separate levels and again metered through an inverter to get the correct fuel to air mixture
 - the moving floor allows for complete combustion of the fuel to ensure clean combustion
 - the unit has a cyclone, which separates out airborne ash and deposits it in an ash bin
 - the Bio Range heat exchangers have mass flow balanced horizontal fire tubes for longer operation between services
- more information available upon request*

Talbott's manufacture a wide range of biomass and waste to heat and/or energy combustion systems producing heat and power as warm air, hot water, steam or electricity or any combination of these.

Including Europe's First Indirect Fired Hot Air Biomass Generator System, 100kW Electrical - 200kW Thermal * BG 100



Agents Stamp:

