

VALUABLE BI-PRODUCTS



BioChar Uses:

- Increases Soil Fertility
- Increases Agricultural Productivity
- Water Retention
- Carbon sequestration for an even greener world



Wheat Straw Silica Uses:

- Glass Work

EMISSIONS CHART		
PARTICULATE	0.074 g/s	230 mg/m ³
CO ₂	10.7%	191,956 mg/m ³
CO	154 ppm	177 mg/m ³
O ₂	10.0 %	130,433 mg/m ³
NO _x	312 ppm	588 mg/m ³
SO _x	22 ppm	57 mg/m ³



CLEAN CARBON NEUTRAL EXHAUST



TripleGreenEnergy.



OTHER PRODUCTS FROM TRIPLE GREEN ENERGY:

BioRoter^{COM} COMPOST DIGESTER



FEATURES:

- Heavy duty steel construction
- Automated continuous processing
- Economical mortality management

BENEFITS:

- Reduces bio-security risks
- Reduces risk of disease causing organisms and odor
- Produces high quality compost
- Ask about MM plant models

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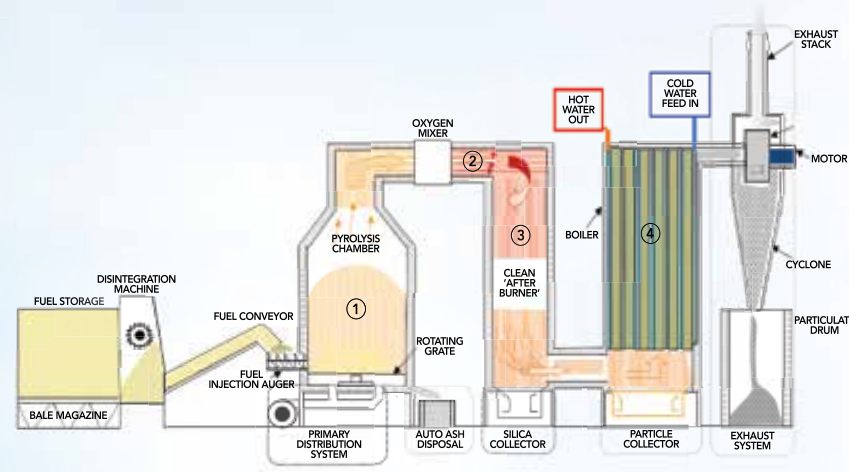
Renewable BioHeat

COMMERCIAL & RESIDENTIAL HYDRONIC HEATING SYSTEMS

What is BioHeat?

Renewable BioHeat is derived from wood, straw, reeds and wetlands growth and can help mitigate the harmful effects of invasive species on lakes and rivers and wildlife habitat. This can earn the user \$30 per tonne in Carbon Credits.

The TGE Series is a solid fuel close-coupled combustor with a non-pressurized, up-draft design, where pyrolysis takes place on a rotating agitator fuel bed in the primary combustion chamber and final combustion of the gases takes place in the patented secondary chamber. Both chambers have 10-year cast refractory lining.



Patented technology for silica removal designed to prevent silica build up from clogging the boiler.



TGE SERIES

FEATURES:

- TGE Series sizes ranging from 1,000,000 to 9,000,000 BTU
- Designed for thermal conversion of straw to hot water
- Capable of burning any biomass more cleanly and efficiently
- Rotary fuel agitator provides time, temperature, turbulence required for efficient pyrolysis
- High temperature clean after-burner
- Trouble free 10-year cast refractory
- Containerized for turnkey operation



DGE SERIES

DGE STOKER SERIES

Our DGE cast iron stoker series, with cast refractory for durability, is available from 200,000 BTU and up, for burning wood chips, pellets, flax chives and traditional fuels such as coal. Clean solid fuel combustion with primary (combustion) and secondary (over fire) air.

DGE 3500

DGE 3500 is a 3,500,000 BTU - 1,000 kW thermal - 100 bHP - Rotary grate top-fed stoker for wood chips, pellets and cubed fuel.

ADDITIONAL OPTIONS:



ORC SERIES

Renewable Power

FEATURES:

- 50 - 250 kWh renewable power
- Modular and scalable
- Electronic control system
- Integrates easily to our TGE series



TGE BRSS SERIES

Bale Reduction Shredder for our TGE Series.

FEATURES:

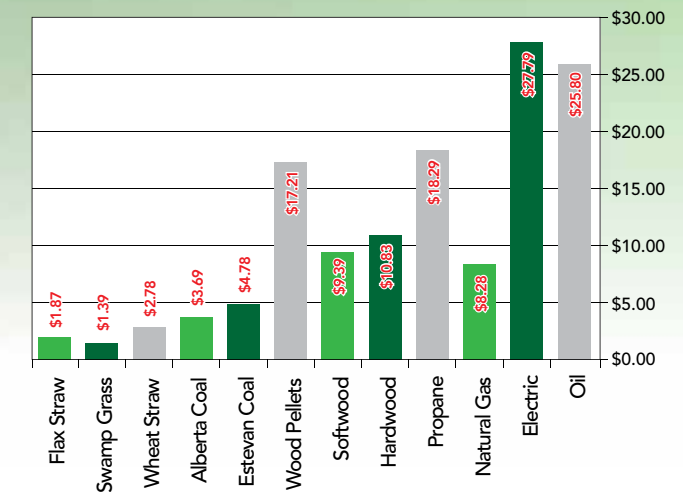
- Continuous unattended shredding of 16 bales or more.
- Capable of shredding various baled materials
- 10hp shredder shreds 2,000 lbs per hour
- Ask about our new slow speed shredder.

Why use BioHeat?

BioHeat is the most economical, carbon neutral heat source available today.

Who uses BioHeat?

- Nursery and Greenhouse Growers
- Hog, Dairy, and Poultry Farms
- Industrial Complexes
- Commercial Buildings
- Large Shops
- Community District Heating



1000 lbs. of biomass can heat 100 homes for 1 hour in the coldest winter.

