Waste Not, Want Not with the Exeter Retort

Mobile, efficient, and easy-to-use, the Exeter Retort turns waste removal/biomass disposal into both a revenue-saving AND revenue-generating activity—transforming brush, branches, salvaged or culled trees, slab wood and even residual livestock bones into income producing biochar and organic lump charcoal.

Reduce Disposal Costs
Avoid paying someone to export leftover organic materials from your property. The Exeter Retort takes care of excess waste and repurposes it on-site.

Turn “Trash” into Treasure
Don’t need the output for yourself? A daily batch yields about one cubic yard of high-demand lump charcoal and biochar, making it easy to add another source of revenue to your operation.

Improve your Soil
Repurpose your biomass and sustainably improve your soil with biochar. The Exeter Retort converts available on-farm biomass into a natural soil enhancer that will increase your crop yield.

Gear Up for Grill Season
To quote finecooking.com, “lump charcoal has become the darling of everyone who’s serious about grilling.” And it pairs perfectly with the growing interest in locally-raised food and locally-made products in general. Rather than dispose of your biomass, repurpose it as lump charcoal for personal use or resale.
What types of biomass can be converted?
The Exeter can process solid feedstock that allows sufficient gas movement within the load:
• Tree branches
• Logs and split wood under 6” in diameter
• Slab wood
• Scrap lumber (untreated)
• Bamboo
• Livestock bones (cow, pigs, etc.)
• Wild game bones (deer, elk, moose)

Is there any organic material that cannot be converted?
The Exeter will not work well for anything chipped or shredded. This includes loads of wood chips and grasses.

Specifications?
8’ long x 5’ wide. It is 6’ in height and weighs under 3,000 lbs.
The Exeter can process logs up to a maximum of 6’ long and 6” in diameter. Larger diameters can be processed if shortened to 3’ in length.
Chamber capacity is 450 gallons (~two cubic yards).

Is there training required?
Very little. No special skills are needed as the Exeter Retort does not require motors or electric supply (aside from a battery operated digital thermometer). Operation is user friendly, guided by temperature readings and heat control similar to a wood stove as air input through easily accessed firebox doors and turning of a butterfly valve.

Can I transport the Exeter on public roads?
For mobility, a trailer can be provided with Exeter Retort as an additional option. In most jurisdictions, a license and registration is required for trailers to drive on public roads, and ours are made to be highway and off-road worthy.

What is the difference between the Exeter Retort vs. a DIY fabrication?
Simply put, the Exeter will consistently produce high quality charcoal every time. There is no need to sort out ash or uncharred pieces, unlike most homemade fabrications. The Exeter is made from quality materials intended for the rigors of high heat.

For more information, please contact:
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