

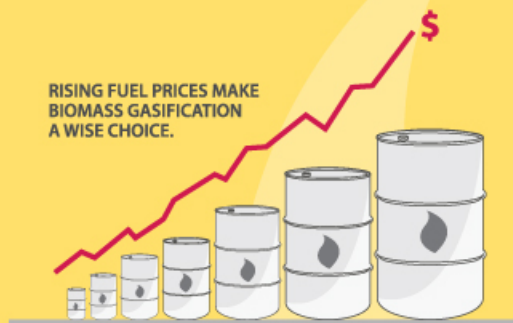
want to cut **DIESEL** cost by
85%
Now you can!

If your business uses **diesel** or **fuel** oil to meet its electricity, thermal or mechanical drive needs, it is now possible to reduce your **diesel** consumption by up to 85%



The Biomass Gasification Systems we provide, efficiently convert biomass into a clean combustible fuel called Producer Gas. Producer Gas effectively substitutes up to 85% of the diesel or fuel oil you currently use.

Engines that run on diesel or other fuel oil will operate smoothly and efficiently on a mix of as little as 15% diesel or fuel oil and up to 85% clean Producer Gas.



Question

Typically how much biomass converted to Producer Gas will replace **1 liter** of diesel?



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Answer

2.0 – 3.5 kg of dried wood, or
3.5 – 4.5 kg of dried rice husk.



Biomass

Biomass is any non-fossil organic matter from plants such as:

- Tree trunks, branches, stalks, stems, vines
- Leaves, fronds, thorns, burs
- Manure from cattle, sheep & goats etc, poultry litter
- Nut shells, seed pods, husks, kernels, cobs
- Roots, tubers etc.
- Bark

More than 60 types of biomass have been successfully tested and shown to be suitable for gasification.

Gasification System

The gasification systems we provide come in 3 models to convert a wider variety of biomass into clean, combustible Producer Gas. They are:



'Chunky' Type Model

Wood Chip, offcuts, bamboo, broken coconut shell, briquettes, corn cobs, conifer cones, cotton stalk, chipped fronds, etc.



'Granular' Type Model

Rice husk, small pellets, seed pits, coarse saw dust, palm kernel shell, nut shells, seed pods, etc.



'Combo' Type Model

Biomass for both types of gasifier above can be used but not at the same time.

System Benefits

- Cost effective
- Environmentally friendly
- CDM eligible technology
- Biomass flexible
- Simple & efficient design
- Easy to Operate & Maintain
- System capacities from 15 kg/hr to 2,000 kg/hr

For more information

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