

Genesis Machine

Waste to Organic Fertilizer, Fungicide, and Herbicide + SynGas Energy



Pyrolysis produces Biochar, organic oils, and syngas

Biochar: Inoculated biochar is a carbon-rich organic fertilizer that has produced as much as a 51% increase in yield for tomatoes and other crops.

Essential Oils and Wood Vinegar: the Genesis Machine releases organic liquids from the waste that can be separated into Wood Vinegar and Essential Oils. Vinegar can accelerate composting, combine with other compounds to form herbicides and fungicides, and provide other useful functions. Essential Oils are a feedstock for cosmetics and other products.

Genesis Machine Capacity: Each Genesis Machine™ can convert up to 200 kg / hour of ground coconut shells, post-harvest agriculture waste, tree limbs and brush into as much as 70kg / hour of biochar, and 100-200 kWh of syngas energy.

Requirements: Each Genesis Machine requires

- Space: 20x40 ft level pad, with 15 ft clearance
- Electricity: 100 amp, 3-phase service
- Water
- Gas: natural gas or propane (needed for startup, until syngas is released)



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