



RocketChar 301 Biochar Furnace

\$40,000 USD

The RocketChar 301 is an extremely energy efficient biochar furnace packed with features only found on much more expensive biochar equipment.

The RC301 offers easy startup and does not require any propane or natural gas. The RC301 is extremely energy efficient due to not requiring fans for flue gas or combustion air. This allows the furnace to operate on less than 3 amps of electricity at 110v, and 2 amps of that is just the heat exchanger fan. This is truly the Prius of small scale biochar equipment. This furnace can operate on a wide variety of biomass including wood chips, hemp, crop residues, etc as long as it will flow through a 3" auger which feeds the system. The machine is appx 11 ft tall and has a footprint of 5 ft x 10 ft.

Input = 10 gallons +/- of wood chips per hour.

Output = Appx 15-30% by volume.

Heat = appx 100k BTU/hr in the form of hot air which can be tied into ductwork and piped where needed.

Fuel = Biomass that will flow through a 3" auger. No pieces bigger than 1-1/4". MC up to 30%. Machine has several adjustable features that allow fine tuning for different fuels.

Site requirements = A single 110V outlet. Furnace uses appx 6 amps during startup lasting approximately 5 minutes, 3 amps while running. Truly the prius of continuous automated biochar equipment.

Biochar quench = Water/steam

Ignition = Electric pellet igniters

Chimney = 8"

Fuel feed system = 12 ft long auger with vibrating bin.

Controls = Color screen, automatic temperature control, data plotting, remote operation via phone/computer, data collection for carbon credit verification. 90V DC gearmotors for speed adjustment and dwell time adjustment.

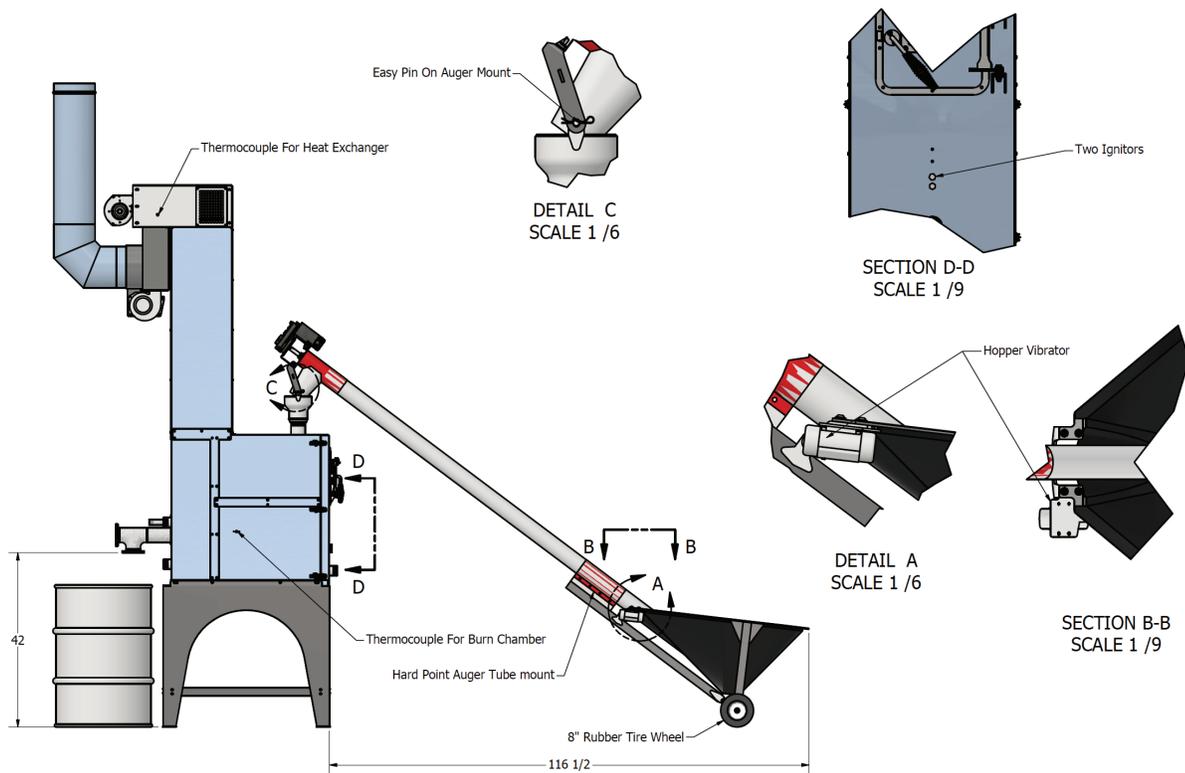
Options = Liquid heat exchanger

Cost = \$40k USD

Lead time = 90 days.

Term = 50% deposit, remaining 50% due upon completion

Assembly & Overview of the RocketChar301 Biochar Furnace:



Watch the video:

[RocketChar 301 Biochar Furnace start to finish](#)

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