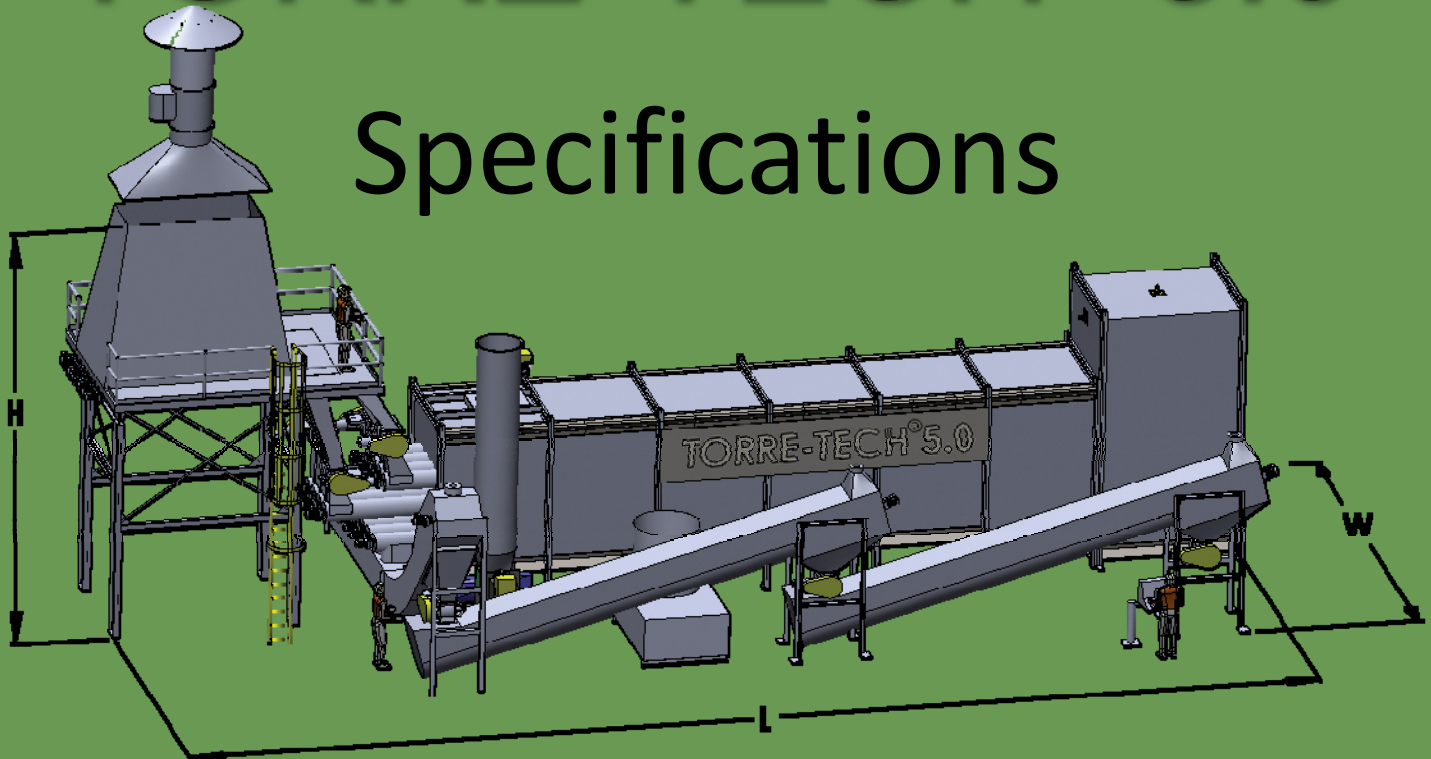


TORRE-TECH[®] 5.0

Specifications



Feedstock Input:

- Types
 - Wood Chips (<0.5 in/12 mm)
 - Bio-Crops (Switchgrass, Miscanthus, etc.)
 - Energy Bio-grasses
- Feed Rate of Wood Biomass (Moisture Content < 40%)
15,000 lbs/hr / 6,800 kg/hr (Dry Basis)

Electrical Consumption:

- 300 kW—Connected Requirement
- 225 kW—Estimated Operating Usage

System Dimensions: IP (FT) SI (M)

	IP (FT)	SI (M)
Length (L)	80	24.0
Width (W)	32	9.8
Height (H)	30	9.0

Product Output:

- 5 Tons per Hour Torrefied Product
- Energy Content—10,000 BTU/lb / 5,500 kCal/kg (± 10%)
- Moisture Content < 10%
- Input to Output Ratio: Approx. 3 tons of “green” feedstock yields 1 ton of torrefied product. (Based on <40% moisture content of feedstock)
- Input to Output ratios may vary depending on type of feedstock and operating conditions.

Gas Consumption:

- Natural or Propane
- 11.0 million BTU/hr—Connected Requirement
- 200,000 BTU/hr—Estimated Operating Usage (fuel required for pilot as safety feature)

Water Usages:

- Cooling Process
- Fire Suppression Functions

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