



## WE DESIGN AND MANUFACTURE PYROLYSIS UNITS

### CHARACTERISTICS

- AUTOMATED**  
From manual to fully automated
- CUSTOMIZABLE**  
Modular & personalized designs
- SCALABLE**  
Up to 5 pyrolysis trains per container
- TRANSPORTABLE**  
Containerized, easily transportable

### CAPACITY (per Day > 24hrs.)

	Tons of BIOMASS	Tons of BIOCHAR	Tons of CO <sub>2</sub> SEQ.
1 train	8	2	4
2 trains	16	4	8
3 trains	24	6	12
4 trains	32	8	16
5 trains	40	10	20

### CO-PRODUCTS

- CARBON PRODUCTS**
- BIO OIL PRODUCTION**
- BIORENEWABLE ELECTRICITY**
- CARBON SEQUESTRATION**



**BIOCHAR YIELD**  
20% - 40%



**THERMAL OUTPUT**  
5-25 MMBTU/h



**PROCESSING TEMPERATURE RANGE**  
400°C - 1000°C



**PROCESS RESIDENCE TIME**  
10-30 minutes approx. (depends feedstock)

## WE PRODUCE BIOCHAR



**2 FORMS OF BIOCHAR**

**GRANULAR BIOCHAR**

ORGANIC (OMRI certified)  
100% BIOBASED (USDA certified)  
PURE, NO ADDITIVES

**MICRONIZED PARTICLES**

- PURE (ideal for composting)  
- ORGANIC BLEND (USDA certified)  
- ARTIFICIAL FERTILIZERS



WE PYROLYZED **+100** FEEDSTOCKS FOR THE PRODUCTION OF BIOCHAR  
AND **+200** MATERIALS FOR RESEARCH

