



HYDRO THERMAL CARBONIZATION





Carbonization is the thermal decomposition of organic material without the addition of additional oxygen. This process occurs at 500-800 deg C and produces two products at the same time

Syngas and Biochar

The equipment uses the pyrolysis principle to generate renewable energy and Biochar from various organic wastes.

Most of the carbon of the input material is stably stored and not released in the atmosphere as carbon dioxide.

With the process you can obtain biochar from biomass with clean porous structure and high biological value. Depending on the degree of finishing the resulting Biochar can be marketed as:

Natural soil conditioner. Improve soil nutrients.

Natural feed additives and bedding.

Additives in the process of Biogas.







ADVANTAGE

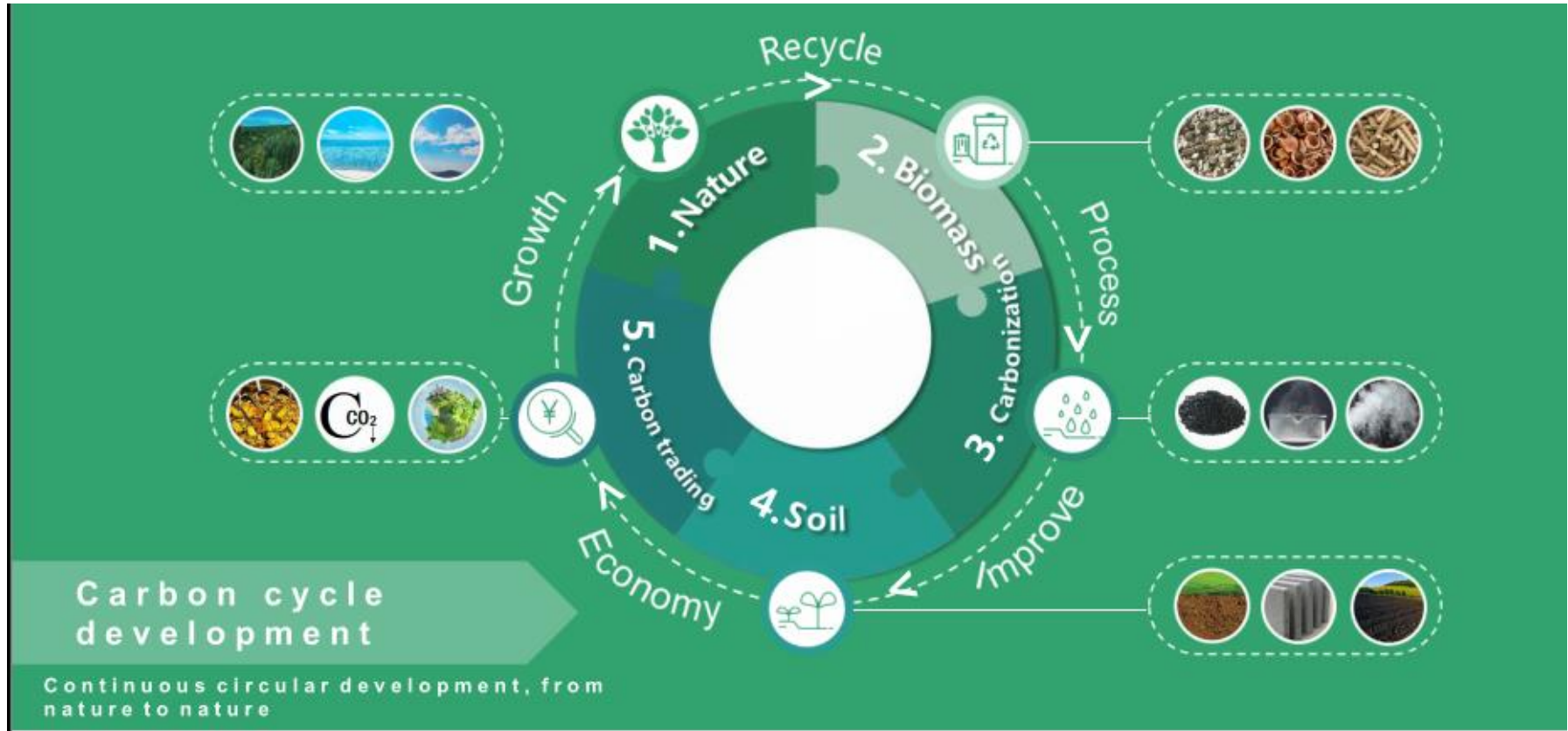
TRANSFORM WASTES INTO
VALUABLE PRODUCTS

BIOCHAR

LIMIT METHANE GAS
EMISSIONS

LIMIT UTILIZATION OF
LANDFILLS

SOURCE OF RENEWABLE
ENERGY



ACCEPTABLE WASTE FOR THE HTC

THE CARBONIZATION
SYSTEM CAN HANDLE A
VARIETY OF BIOMAS WITH
FOLLOWING CONDITIONS

SIZE BELOW 1" –
MOISTURE <15%

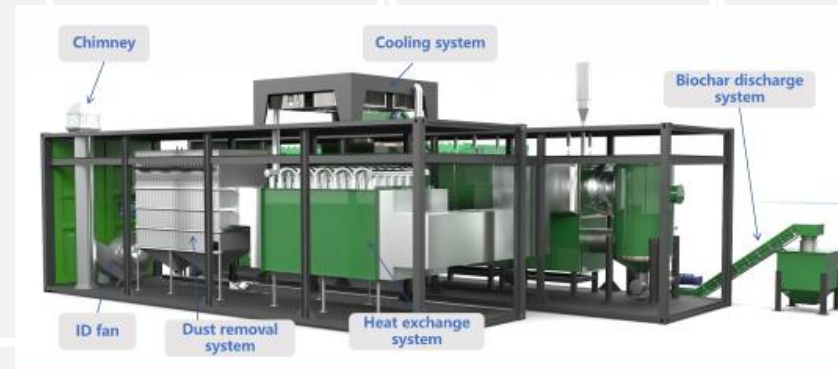


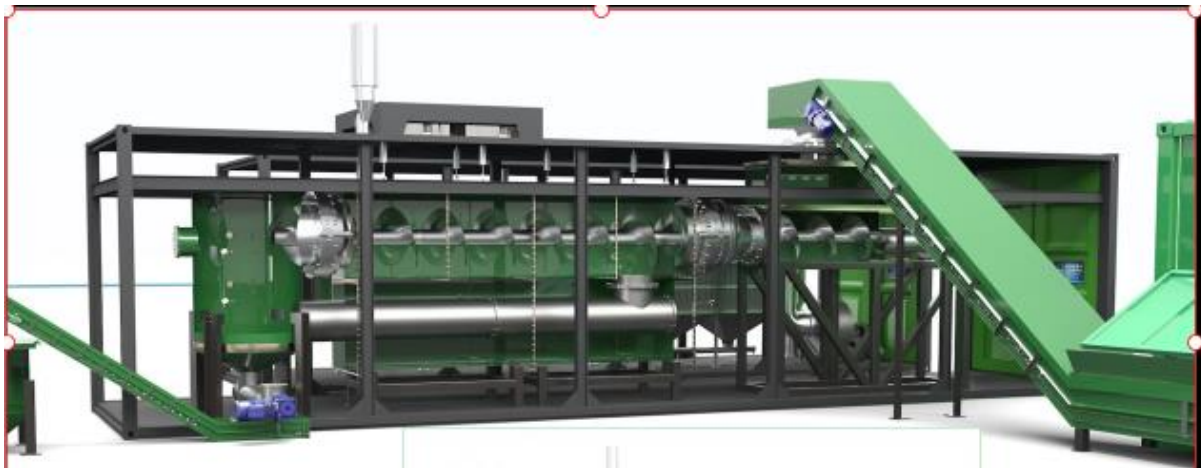
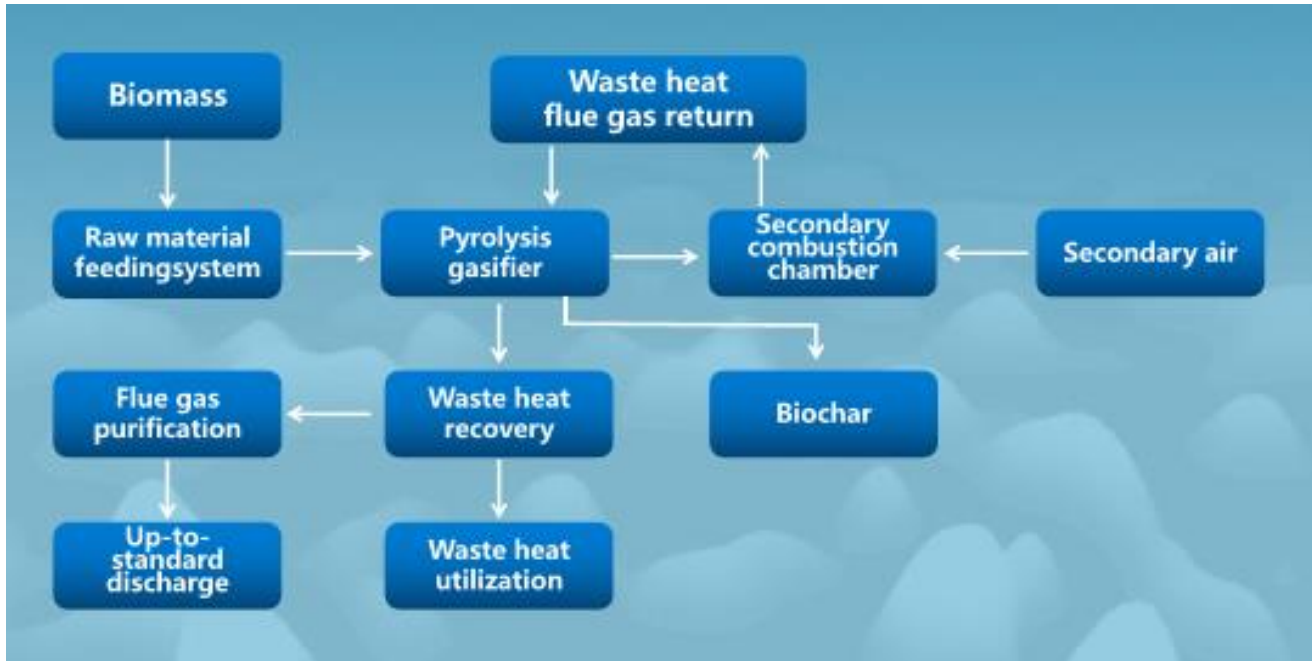
BIO CHAR SYSTEMS

- THREE MODELS
- BC-300
- BC-500
- BC-1000



BC-300







BC-1000

Technical Parameter Table

Model	HQ-BC300
Size	L12000*W2350*H2700, 2pcs L6000*W2350*H2700, 1pcs
Fuel performace/H	5000kW
Biomass processing capacity	9000 tons annually
Raw material size	< 3cm
Biochar production	2250 tons annually
Heat output	1450kW
Annual operation time	7500h

Technical Parameter Table

Model	HQ-BC500
Size	L12000*W2350*H2700, 2pcs L6000*W2350*H2700, 1pcs
Fuel performace/H	8400kW
Biomass processing capacity	15000 tons annually
Raw material size	< 3cm
Biochar production	3750 tons annually
Heat output	2400kW
Annual operation time	7500h

Technical Parameter Table

Model	HQ-BC1000
Size	L12000*W2350*H2700, 3pcs L6000*W2350*H2700, 1pcs
Fuel performace/H	16800kW
Biomass processing capacity	30000 tons annually
Raw material size	< 3cm
Biochar production	7500 tons annually
Heat output	4800kW
Annual operation time	7500h

FOR MORE INFORMATION CONTACT:



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