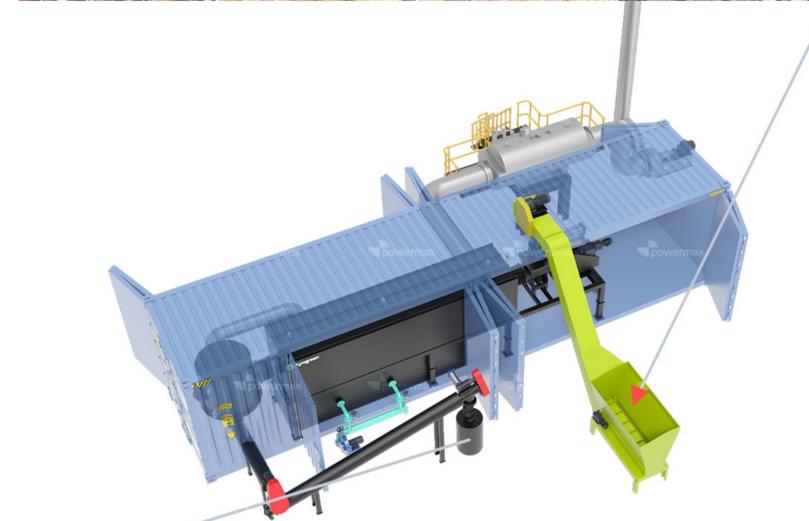


DIFFERENT RAW MATERIALS CAN GET DIFFERENT BIOCHAR

Biochar is a carbon negative, charcoal based, soil amendment that can be designed to help reclaim and improve marginal soils by increasing soil water holding capacity and enhancing fertility, while also generating high-value renewable energy co-products during its production.

The carbon in 1 ton of biochar is equivalent to about 3 tons of CO₂.



MODULAR CONCEPT

Containerized Pyrogreen allows easy and fast transportation and installation, saving land resources and is more economical.



EXPERT SUPPORT

Our specialized engineers provide comprehensive and timely support, ensuring engineering and design of the unique project and smooth installation, commissioning and operation of Pyrogreen.



ENVIRONMENTAL FRIENDLY

Fully automated, high thermal efficiency without tar or liquid waste produced and extremely low NOx, CO, Particle Emission.



CARBON CREDIT GENERATION

Biochar is recognised globally as a premium carbon credit for its role in carbon reduction and sequestration. Pyrogreen produces all kinds of biochar with low H/C ratio and high quality which is suitable for agricultural, environmental and industrial use, thus generating carbon credit while achieving extra revenue.



2025/08/20

Pyrogreen Energy

Wuxi Powermax Renewable Energy Technology Co., Ltd.
Wuxi Teneng Power Machinery Co., Ltd.



Company Address: 6th floor, Chuangrong Building Block C, Danshan Road, Anzhen Street, Xishan District, Wuxi, Jiangsu, China.
Factory Address: No.139, Jiaoyang East Road, Yangjian Town, Xishan District, Wuxi, Jiangsu, China.



BIOCHAR & BIOCOAL SOLUTION



Pyrogreen - Biomass Carbonization/Torrefaction Solution

BIOCHAR, GREEN ENERGY, A CARBON-REDUCED FUTURE.

+86 510 68229610 / +86 138 1208 3566
sales@pyrogreen-energy.com / sales@powermaxgasifiers.com

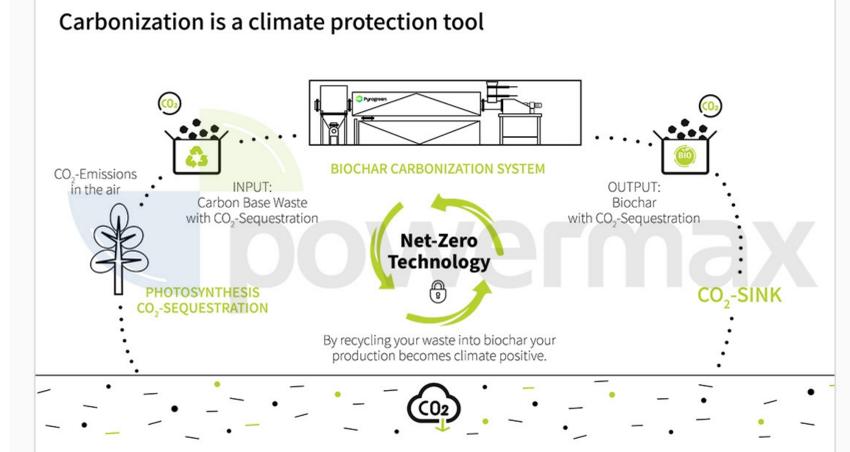
NET ZERO TECHNOLOGY

BREATHING FOR THE PLANET



Pyrogreen Energy is a leading company in the manufacturing of eco-friendly carbonization & torrefaction systems and providing biochar & biocoal solutions for the recycling of biomass residues. Our mission is to create and deploy biorenewable technologies that enhance soil fertility and combat climate change through CO₂ sequestration.

We support our clients in making use of biomass waste, boosting efficiency, and generating extra revenue while simultaneously reducing carbon emissions.



PYROGREEN'S SOLUTION

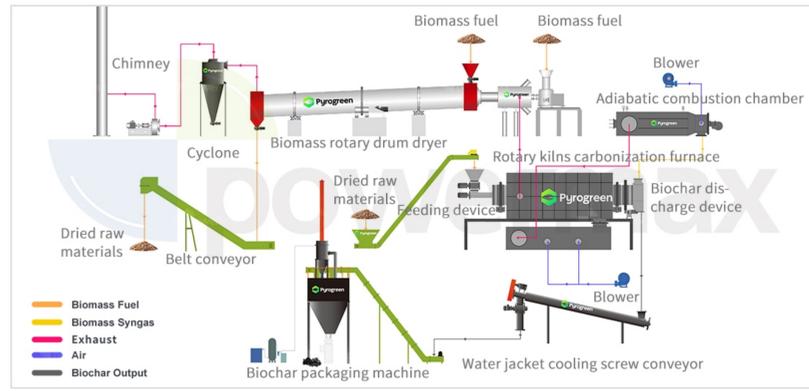
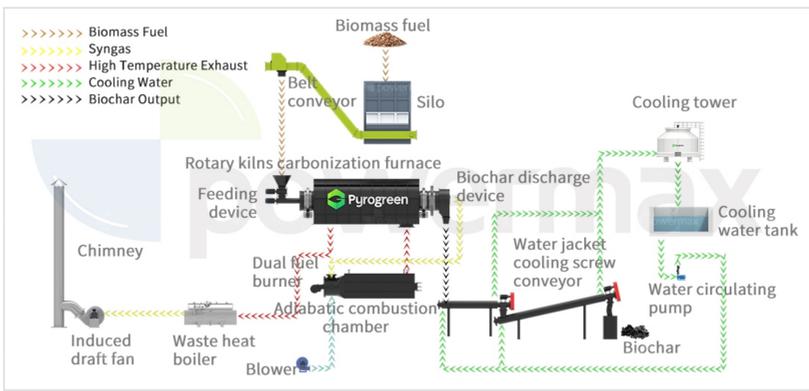
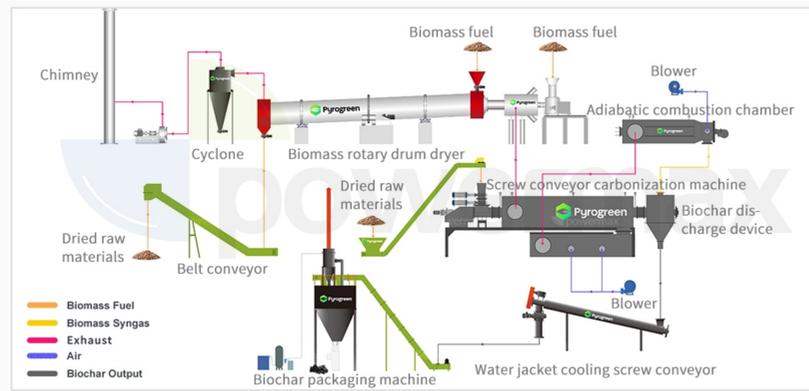
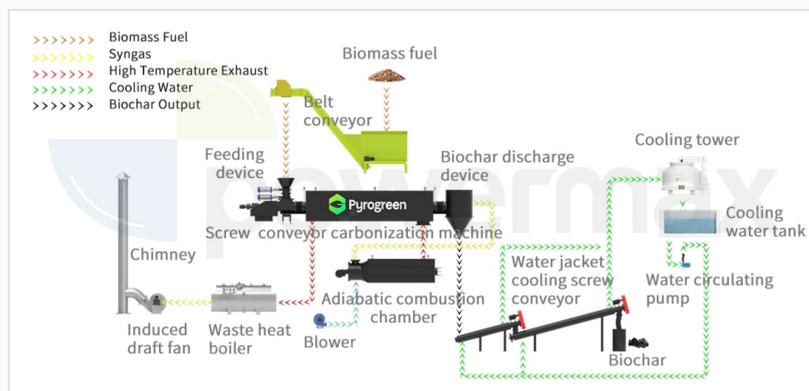
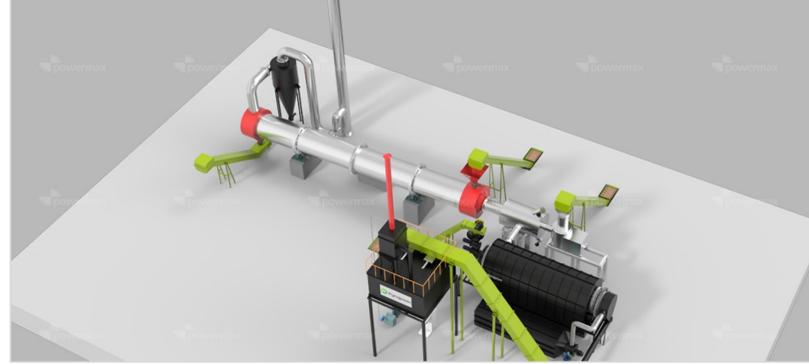
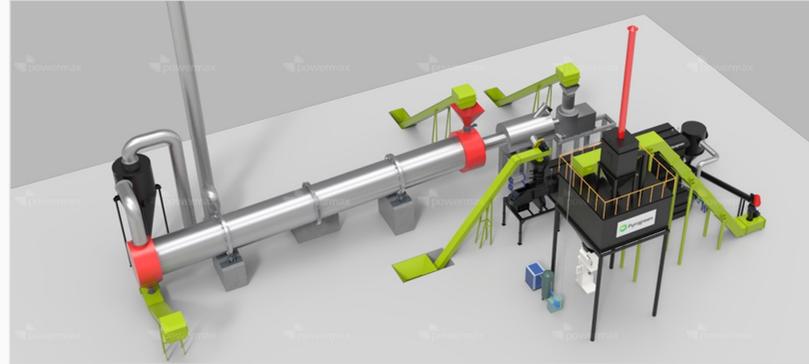
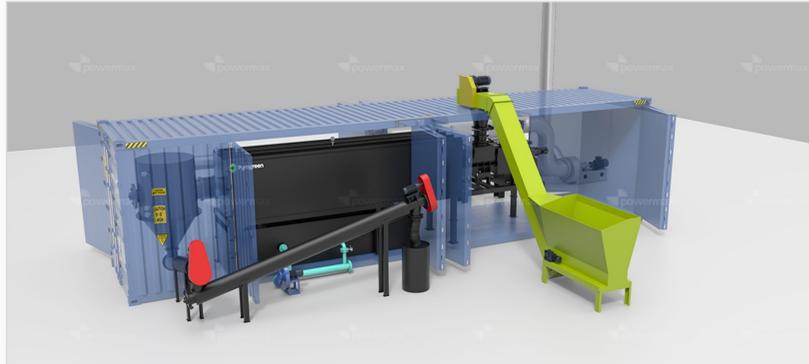
As a leader in advanced thermochemistry processing systems, Pyrogreen provides customized rotary kiln type and screw type carbonization/torrefaction system for the production of biochar from different kinds of biomass. Sometimes referred to as torrefaction, the pyrolysis of biomass into a high quality biochar product is a technical endeavor, requiring advanced knowledge of thermochemistry processing principles. Pyrogreen process experts would work with you to design this system based on your unique source of material.

SCREW CONVEYOR CARBONIZATION/TORREFACTION SYSTEM

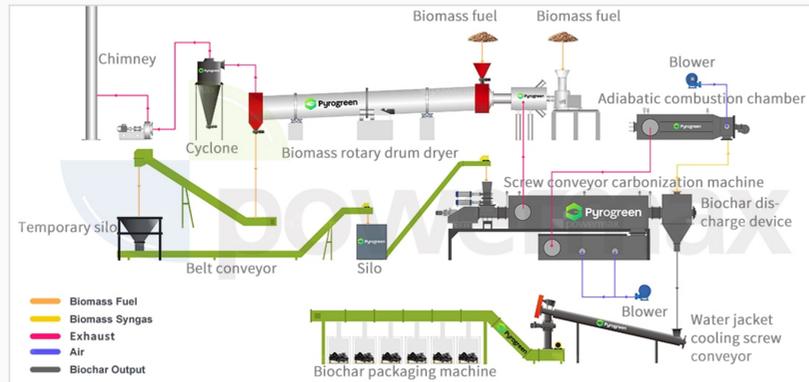
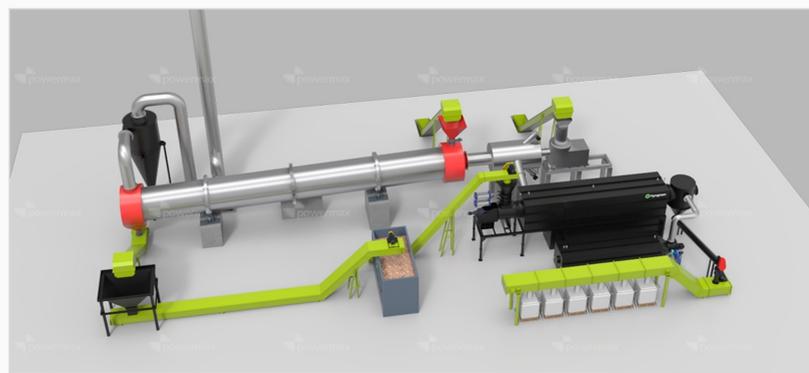
BIOMASS SCREW CONVEYOR CARBONIZER AND DRYING SYSTEM

ROTARY KILNS CARBONIZATION/TORREFACTION SYSTEM

BIOMASS ROTARY KILNS CARBONIZER AND DRYING SYSTEM



Biomass Screw Conveyor Carbonizer		
Model	BSCC 1000	BSCC5000
Feed Rate	1m³/h(300kg)	5m³/h(1500kg)
Footprint(L*H)	16m*10.5m	21m*11m
Working Mode	Continuous	
Feed Requirements	Size≤20mm(5-8mm is optimal), MC≤15%	
Construction	Indirect Heating Screw Conveyor Type	
Control Mode	PLC Control System	
Material	SS310S+SS304	
Pressure	Micro Negative Pressure	
Heating Fuel	Diesel, natural gas, heavy oil,etc	
Heating Mode	Indirect Heating	
Noise(dB)	≤80	
Cooling Mode	Circulating Water Cooling	



Biomass Rotary Kilns Carbonizer					
Model	BRKC600	BRKC1000	BRKC1500	BRKC3000	BRKC5000
Feed Rate	0.6m³/h(200kg)	1m³/h(300kg)	1.5m³/h(500kg)	3m³/h(1000kg)	5m³/h(1500kg)
Footprint(L*H)	14m*10.5m	15m*10.5m	16m*10.5m	17.5m*10.5m	19m*10.5m
Working Mode	Continuous				
Feed Requirements	Size≤50mm, MC≤15%				
Construction	Indirect Heating Rotary Kilns Type				
Control Mode	PLC Control System				
Material	SS310S+SS304+Carbon Steel				
Pressure	Micro Negative Pressure				
Heating Fuel	Diesel, natural gas, heavy oil,etc				
Heating Mode	Indirect Heating				
Noise(dB)	≤80				
Cooling Mode	Circulating Water Cooling				
Rotation Mode	External Gear Rotation				

