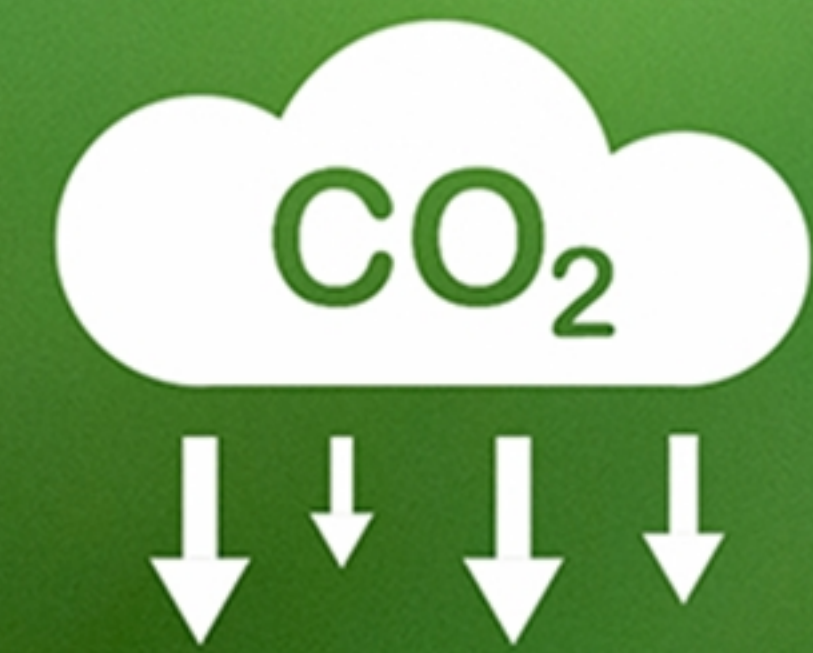


NET ZERO TECHNOLOGY

BREATHING FOR THE PLANET



Biochar
Output

30%

Biochar
Fixed Carbon

Nearly

90%

Support

24H/7



MODULAR CONCEPT

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



ENVIRONMENTAL FRIENDLY

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



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.



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.

Wuxi Powermax Renewable Energy Technology Co.,Ltd.



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For more info

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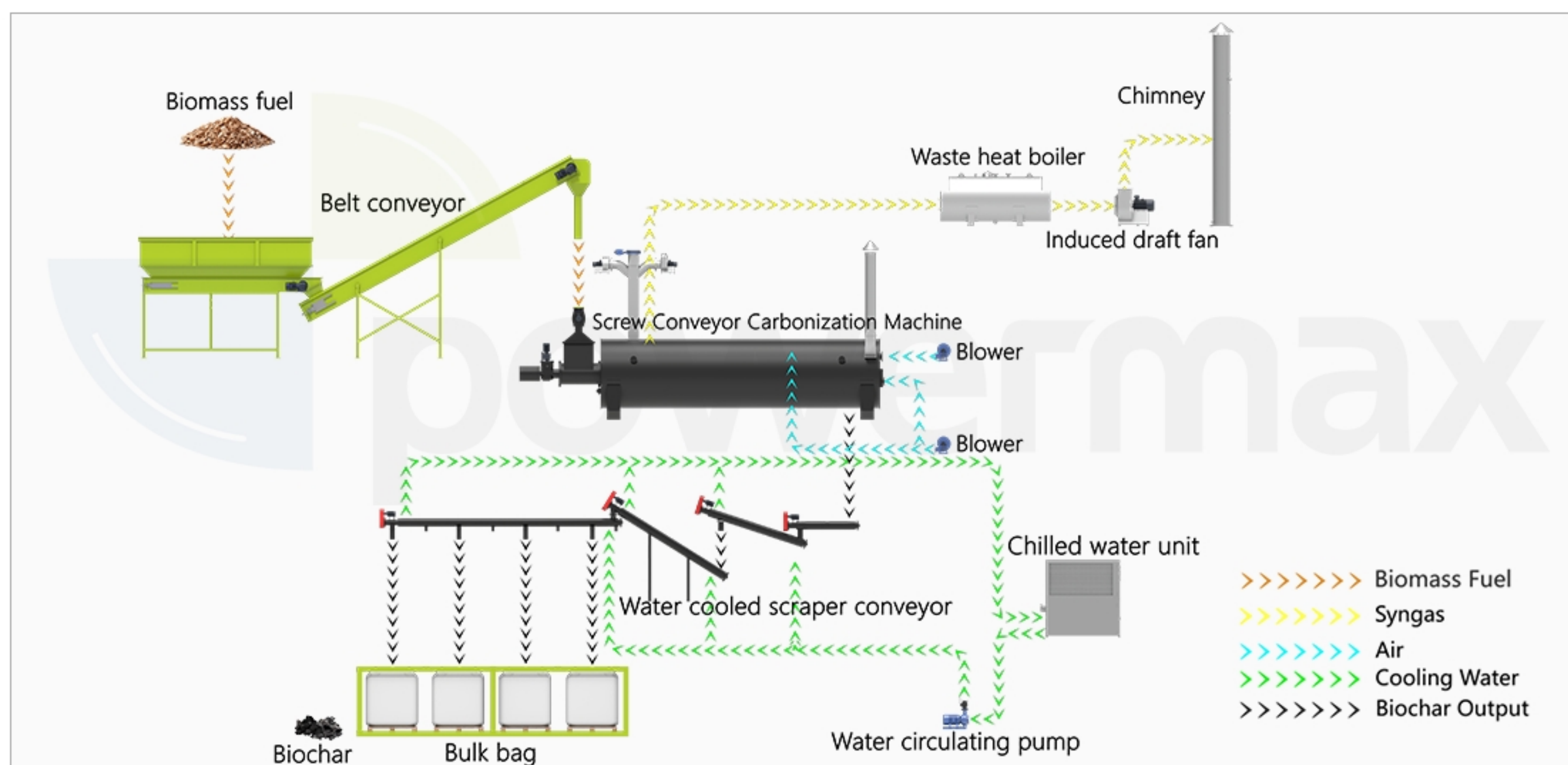
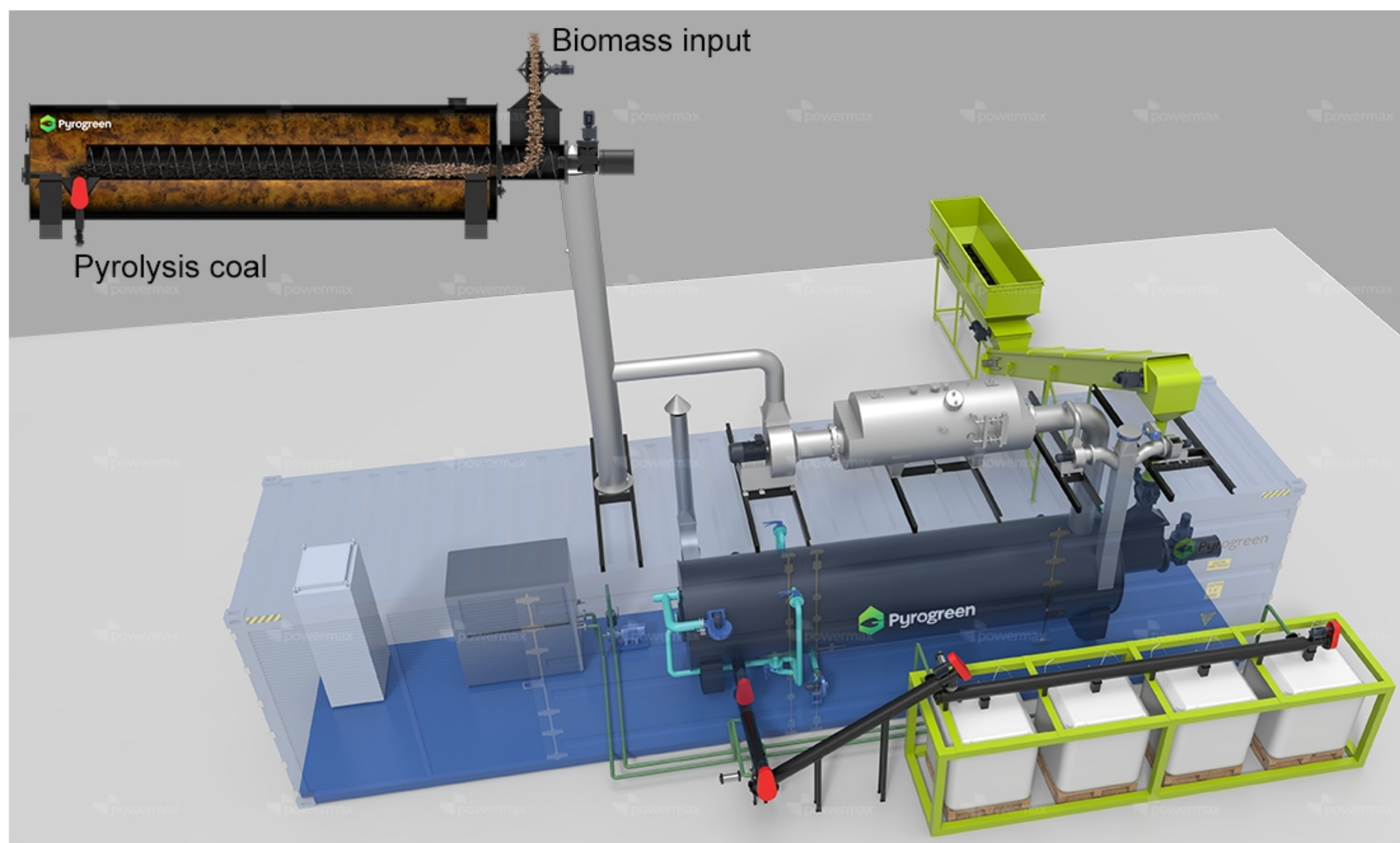
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PYROGREEN'S SOLUTION

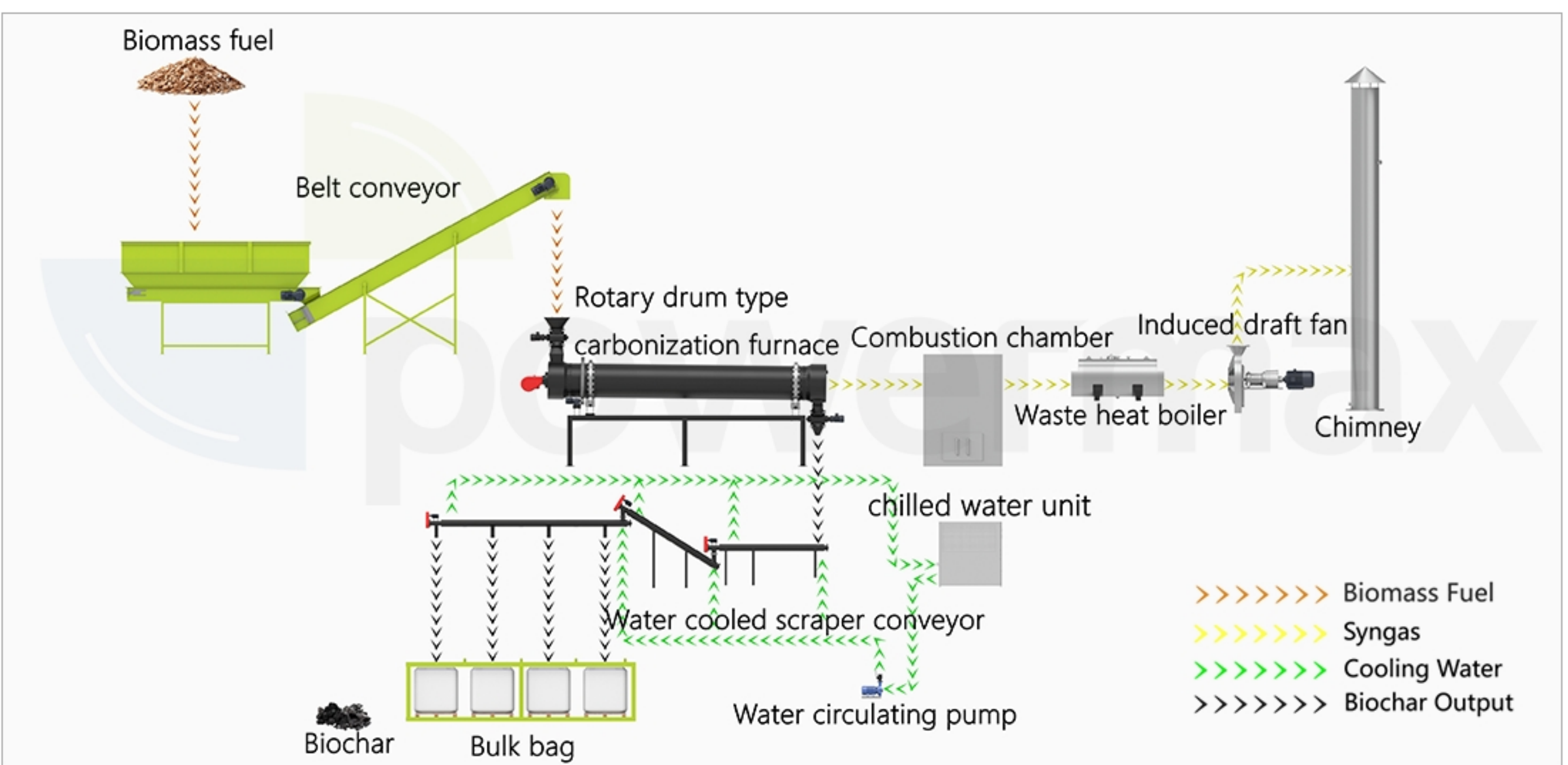
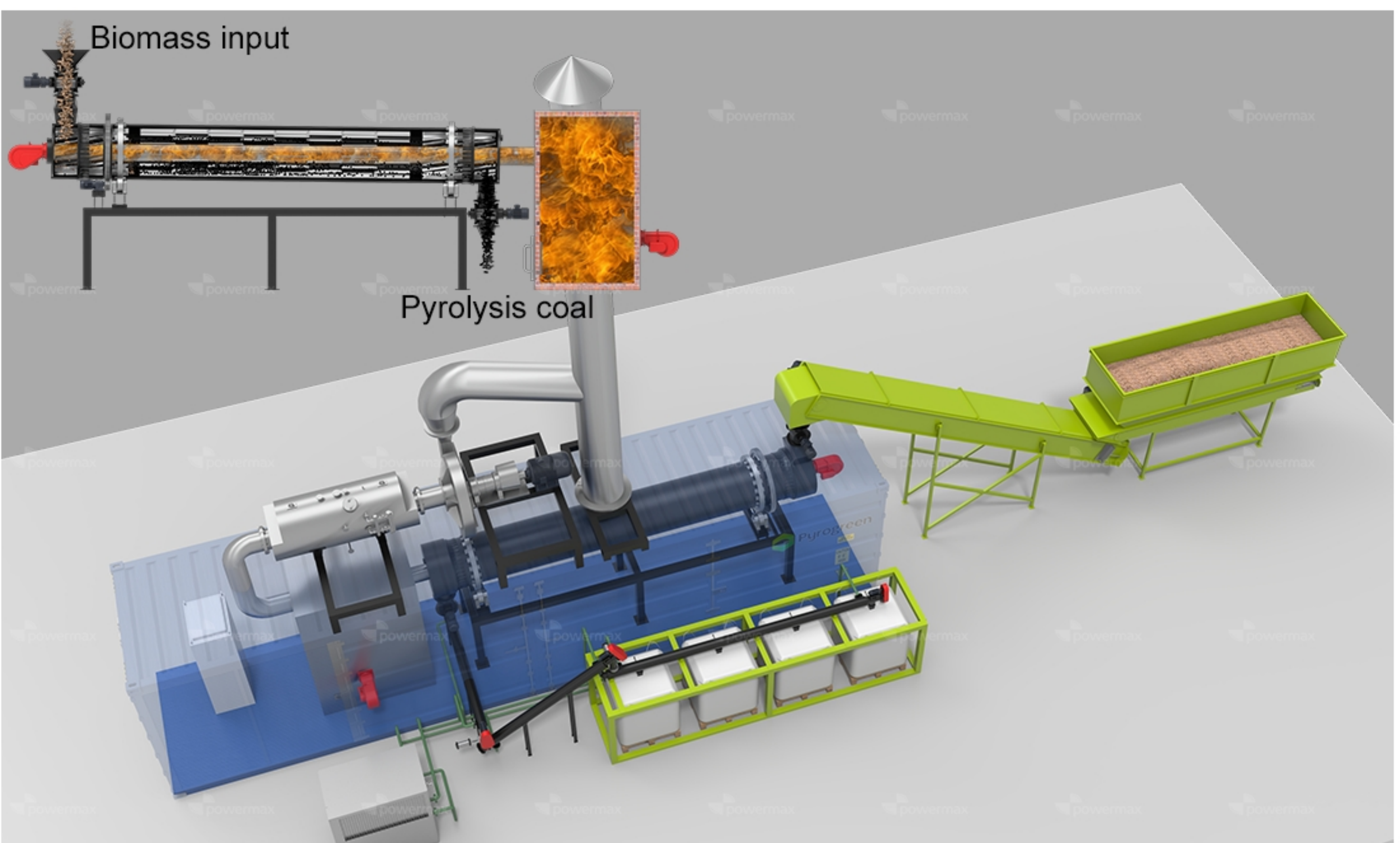
Biochar negative carbon technology: Pyrogreen carbonization/torrefaction system achieves CO₂ storage and energy regeneration

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 residuals. 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.

SCREW CONVEYOR CARBONIZATION SYSTEM(DIRECT HEATING)



ROTARY KILN CARBONIZATION SYSTEM(INNER INDIRECT HEATING)



Pyrogreen series		2T	4T	6T	8T	10T
Dimensions	Diameter (mm) x length (mm)	Φ1200x7500	Φ1600x7500	Φ1800x10500	Φ2000x13000	Φ2400x13000
Feed motor power (kW)		1.1kw	3kw	4kw	7.5kw	11kw
Feed screw diameter (mm)		Φ219	Φ219	Φ325	Φ377	Φ377
Thermometer selection		Wireless thermometer	Wireless thermometer	Wireless thermometer	Wireless thermometer	Wireless thermometer
Silo	Level gauge	Rotary paddle/Weight	Rotary paddle/Weight	Rotary paddle/Weight	Rotary paddle/Weight	Rotary paddle/Weight
Discharge	Rotary valve diameter	Φ219	Φ219	Φ325	Φ377	Φ377
Cooling	Cooling system	Spiral cooler	Spiral cooler	Spiral cooler/Plate type slag cooler	Spiral cooler/Plate type slag cooler	Spiral cooler/Plate type slag cooler
Rated fuel feed rate (moisture content <18%)		0.8	1.6	2.4	3.2	4
Rated steam output (m ³ /h)		1000	2000	3000	4000	5000

Note: If there are any deviations in the above data, please refer to the actual product and market conditions. The core components are all made of 310S.