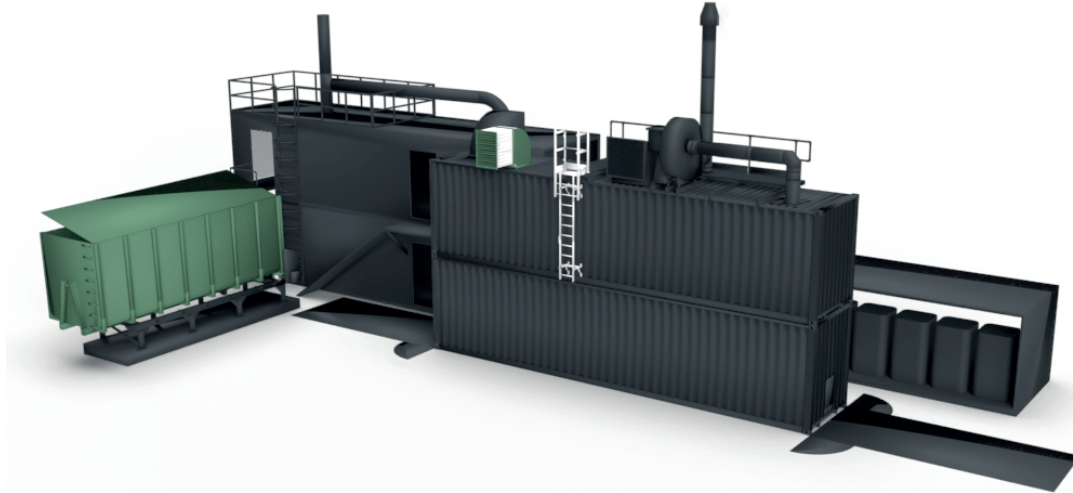


PYRO ClinX 150

Our Pyro-ClinX technology combines proven technology with a unique and innovative combination: a pyrolysis process is combined with an **externally fired micro gas turbine for efficient power generation**. This combination of pyrolysis system and our specially developed ClinX technology results in Pyro-ClinX - a **self-sufficient, sustainable and climate-positive pyrolysis system**.



Technical data

Fuel heat output	1.400 kW
Combustion heat output	770 kW
Gross electrical output	150 kW
Net electrical power	130 kW
Nominal heat output*	200 kW
Own power consumption	max. 20 kW

Feedstock

Specification	Wood chips G30 - G50 (limit grain length 150 mm)
Throughput (wet mass) with water content	315 kg / h (5 % Water content)
max. permissible water content for operating the system with reduced output	25 % Water content

Biochar

Biochar production (dry matter) from the input dry mass	25 %
EPA16-PAK (according to EBC method)	< 4 mg / kg
CO ₂ equivalent <i>(Excluding emissions to be determined in the LCA)</i>	1.720 t / a
Quantity of biochar output	75 kg / h

Dimensions (without superstructure)

Length	13.400 mm
Width	6.400 mm
Height	5.900 mm
Weight	52.450 kg

Exhaust emissions

Exhaust gas volume flow (wet)	2.100 Nm ³ / h
Dust	< 20 mg / Nm ³
Carbon monoxide (CO)	< 150 / Nm ³
Nitrogen oxides (NOx)	< 370 / Nm ³

Exhaust gas emissions specified at 6 % residual oxygen content in the exhaust gas.

Useful heat carrier

Heat transfer medium	Water/glycol
Temperature level	90/70 °C

IN COOPERATION WITH:



***Note:** The specified performance values refer to standard design conditions (ambient temperature: 15 °C, relative humidity: 80 %, altitude: sea level). The actual output may vary due to factors such as ambient conditions, heat sink and operating mode. The specific output is calculated taking into account the individual site conditions as part of the project planning.