

熱エネルギーの進化 The evolution of heat energy

# Genesis GE-5000

Eco-Friendly Machine

Carbonization Equipment for Wood Application by only power of Super Heated Steam.



野村技工株式会社

Nomura Engineering co., ltd.

## What is Genesis?

“Genesis” is the name of the Super heated Steam Unit, which Nomura Engineering Co. originally developed. Without any additional heating media, Nomura succeeded to utilize Super Heated Steam for practical use.

The main feature is that Nomura developed very unique heat element based on their own theory.

Super Heated Steam is considered for many kind of application such as Cooking, Food Processing, Sterilization, Gasification of Pesticide, Dyeing, Cleaning of Industrial Field, Waste Liquid Treatment, Drying Process, Carbonization Process

\*\* Standard Model 20kW, Connecting Size 25A

----> Output Temp 500°C, Flow Rate 100 – 150 kg/hr

\*\* Carbonization Capacity (Reference)

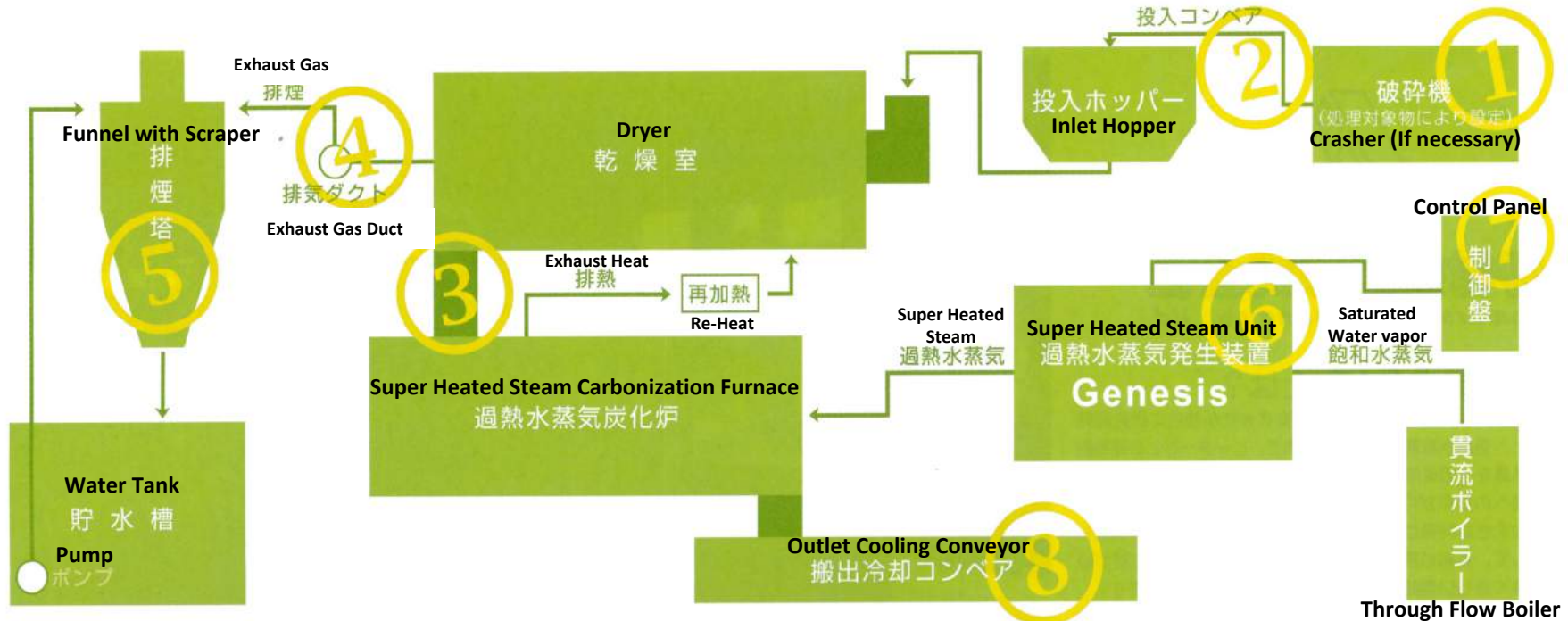
----> 120kg/hr (depends on application)





# Genesis GE-5000

-----Process Flow Example-----



Exhaust Gas Collection by Water Scraper



Enormous Volume of Super Heated Steam enabling Continuous Carbonization Process



Whole Process can be controlled in one Touch Panel.



Continuous Output of cooled down Carbonized Wood Chips.

