



**Säätötuli**  
**CANADA**



# Continuous flow biomass dryer

## Dry large amounts of woodchips

The **Säätökuivuri** continuous flow biomass dryer is able to dry large quantities of woodchips in a small time.

The dryer can be sized depending on the need of the customer to optimize production.

The dryer works with a huge hot air flow that blows through the biomass that goes through the machine. The hot air can be made with the **Säätötuli** biomass hot air generator, but the dryer will work as efficiently with any source of hot air.

The final moisture can be simply selected on the automation. The automation of the dryer will drive the speed of the machine according to woodchip moisture and humidity to get the desired moisture at the output.



## Example of production speed with a Säätötuli biomass hot air generator

The **Säätökuivuri** continuous flow biomass dryer connected to a **Säätötuli** 500kW (1,706,000 BTU/hr) hot air generator can dry 26 cubic meters of wood from 50% to 25% moisture each hour.

During that same time, it will burn 0.7 cubic meters as fuel.

This means that 8.3 tons of green wood will be converted to 6.2 tons of wood with 25% moisture content per hour.

## Example of production speed with two Säätötuli biomass hot air generators

If the heat input is doubled, the **Säätökuivuri** continuous flow biomass dryer can dry 38 cubic meters of woodchips from 55% to 5% moisture content.

During that hour, the hot air generators will use 1.4 cubic meters of woodchips as fuel.

This means that 14.1 tons of green wood will be converted to 7.0 tons of wood with 5% moisture content per hour.

More information: [www.saatotuli.ca](http://www.saatotuli.ca)

