

Modes

The Autochopper includes different work modes, adapted to different wood qualities and production requirements:

Manual Mode

Control the machine with the joystick, process any quality of wood up to 44 cm (17") diameter, control the cut up to 50 cm long (19 1/2"), the split, the log movement on the conveyor.

Semi-Auto Mode

The conveyor moves automatically according to the preset length. Activate the saw and the splitting cylinder with a simple pressure on the joystick. When the joystick is released, the splitting cylinder continues its function, allowing you to proceed with the sawing.

Automatic Mode

All works automatically. The wood is detected on the feed conveyor and processed entirely: sawing, transfer to the splitter, splitting. The auto cut length is set before to push Start, from 14 to 50 cm long (5 1/2" to 19 1/2"). The splitting wedge moves automatically to align itself to the center of the log. When the **SAMI Autosorter** is connected to the Autochopper, all the selection phase and conveyance are operated automatically. You only need to be around, to monitor everything, with the freedom to do other side jobs (handling wood with tractor, preparing next wood container, etc.).

Nonstop Auto Mode

It works like the Automatic Mode, at the difference that the Autochopper doesn't check the log traffic. The sawing and splitting are automated, log feeding is continuous. This is the optimal mode to deal with small diameter logs.

Double Cut Mode

It works like the Automatic Mode, with the addition of another cut: the Autochopper will saw 2 pieces of wood and transfer them to the splitting together. Ideal for short logs, from 14 to 23 cm (5 1/2" to 9").

Sorter Manual Mode

When the Autochopper is connected to the SAMI Autosorter, you can control the sorter manually with the joystick. That includes every item's control: the Loading Table, the Sorter and the Transfer Conveyor.

Optimization of logs

Optimize your wood. Control your firewood quality. It's mostly the best way to really automatize the production!

The SAMI Autochopper offers three optimization options for the waste bits of logs. This is a parameter to select on the control panel (see picture above, at the bottom). The optimization is done automatically then (under the Automatic Mode and Double Cut Mode).



When the log's end passes the optical sensors, the optimization starts. The length left is optimized according to the selected settings. The three optimization options symbols represent the 3 last pieces of wood passing to the saw (see pictures on the right).

The optimization of the last sawings of a log allows the control of the wood transfer to the saw, its holding during the sawing, then its transfer to the splitting channel. It's an essential parameter to the good function of an automatic machine, which has for purpose to have more autonomy and reliability.

Select the most suitable optimization during the wood process, according to the demanded wood quality and the required production flow.



Option 1

The waste bit is sawed off before the last piece. *E.g. for a preset 30 cm cut, with about 65 cm of wood left, the Autochopper will produce one 30 cm, one 5 cm waste bit, and one final 30 cm.*



Option 2

The waste bit is divided into two and distributed to the two last pieces. *E.g. for a preset 30 cm cut, with about 65 cm of wood left, the Autochopper will produce two 32.5 cm end pieces.*



Option 3

The waste bit is divided into three, but the preset log length will not be exceeded. The three end pieces will be then slightly shorter. *E.g. for a preset 30 cm cut, with about 65 cm of wood left, The Autochopper will produce three 21.7 cm.*