SAMI

Innovations for Agriculture

PIONEER OF AUTOMATIC LOG SPLITTING

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SAMI AUTOFACTORY

= SAMI AUTOSORTER + SAMI AUTOCHOPPER

ENERGY

Pioneer of automatic log splitting

SAMI Autofactory revolutionizes log splitting. Autofactory consists of SAMI Autosorter (loading table, automatic sorter, transfer conveyor) and SAMI Autochopper (automatic splitter). All these integrated together – the entire log splitting process is automatic. You only need to take care of monitoring and carrying wood onto the loading table.

Attach SAMI Autosorter – automatic loading table, sorter and transfer conveyor – to Autochopper. Autosorter conveys and lifts logs one by one onto the transfer conveyor automatically without disruptions. The sorter has hydraulics, switchboard and a micro processor of its own. Use SAMI Autochopper screen for programming. SAMI Autosorter is also available without the loading table.

The secure automatics, programmability and versatile adjustment alternatives raise the efficiency level of the entire log splitting production.

SAMI AUTOFACTORY

Automatic log splitting factory

- **SAMI Autosorter + SAMI Autochopper**
- **Log splitting is entirely automatic**
- **Thanks to the microprocessor, it can be programmed according to different kinds of wood and wood size**
- **Reliable automatics**
- **Fast and effortless, boosts the entire process**
- **Autosorter adjusts to the log splitter's pace**
- **The user only needs to carry wood onto the loading table and monitor the process**

SAMI AUTOSORTER SAMI AUTOCHOPPER

SAMI AUTOFACTORY STAGES

1. TRANSFERRING WOOD ONTO THE LOADING TABLE

The wood is loaded onto the process-integrated loading table, which is equipped with chain conveyors.

2. FEEDING WOOD TO THE SORTER

The sensors of the sorter frame activate the loading table to feed wood to the sorter. The loading table conveys wood onto the sorter's table, against the sorter's frame.

3. PRE-SORTING OF LOGS

The loading table reverses and the pressed logs are released making room for the logs that are brought down from the bearers. The bearers perform the pre-sorting process, that is, some of the logs are brought down and the rest is set straight onto the bearers. Then the bearers start to lift the logs.

4. SORTING THE LOGS

The logs on the bearers are sorted with the help of the sensors. The bearers move inwards according to measurement results, and the outer logs fall out until there is only one log on the bearers. Everything happens automatically.

5. TRANSFERRING LOGS INTO THE WAITING ROOM

After approved measuring, the bearers lift the log up and tip it through the restrainers in to the waiting room where the log waits for transfer conveyor to be available again.

6. TRANSFERRING LOG ONTO THE CONVEYOR, SAWING AND CUTTING

When the transfer conveyor is available, the waiting room tips the log onto the transfer conveyor. The cycle of the transfer conveyor is programmed according to log splitter's feeding cycle, also reverse function is possible. The automatic splitter saws and cuts logs automatically.

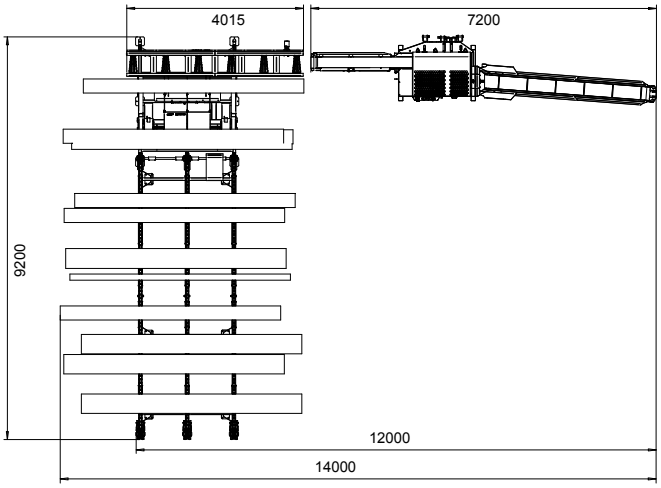
SAMI AUTOSORTER

TECHNICAL DETAILS

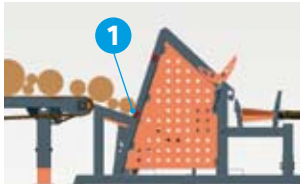
SAMI Autosorter	Sorter	Loading table
Weight (kg)	1100	1070
Width without transfer conveyor (mm)	2340	2300
Width with transfer conveyor (mm)	4015	-
Height (mm)	1910	886–1285
Length (mm)	2940	6500
Max. load (kg)	1200	18000
Hydr. operating pressure (bar)	170	170
Electric motor (kW)	5,5	-
Switching voltage (V/Hz)	400/50	-

SAMI Autofactory total measures in the dimensional drawing (SAMI Autosorter + SAMI Autochopper).

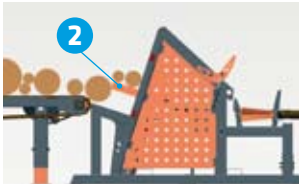
SAMI AUTOSORTER SAMI AUTOCHOPPER



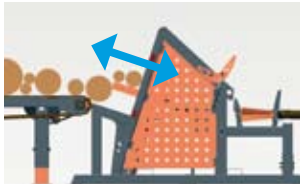
SAMI AUTOSORTER SORTS LOGS AUTOMATICALLY ACCORDING TO THEIR SIZE



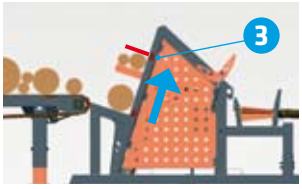
RECEIVING TABLE
The sensors (1) of the sorter's receiving table activate the loading table to feed wood onto the sorter table and against the frame. The bearers are located below the receiving table.



BEARERS
Two programmable bearers (2) have three different courses: up-down, inwards-outwards and turning or tipping. The inwards-outwards movements of both of the bearers function independently.

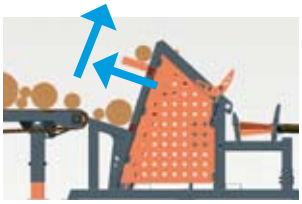


PRE-SORTING
The bearers rise slightly and simultaneously make a fast inwards-outwards movement. The movement brings down some of the logs, leaving the rest straight onto the bearers. Then the bearers start to lift the logs.

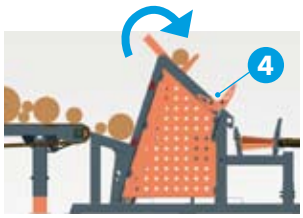


SORTING
The widest log meets the sensors of the sorter frame (3) first. The lifting stops and sorting the logs (1 to 3) on the bearers begins.

SORTING
Both bearers move halfway according to the independently measured results inwards, and the outer logs fall from the bearers.



SORTING
The measuring is performed over and over again until there is only one log on the bearers. The remaining log is lifted up and tipped into the waiting room. If there is a log only on the other bearer, it is brought down.



WAITING ROOM
After approved measuring, the bearers lift the log up and tip it through the restrainers in to the waiting room (4).

TRANSFER CONVEYOR
When the transfer conveyor is available, the waiting room tips the log onto the transfer conveyor (5).

The SAMI manual sorter is also available

- Includes a loading table (3.5 m or 6 m) and a transfer conveyor
- Steering with external hydraulics, e.g. SAMI Autochopper
- Dimensions of the loading table, width x length: 2300 x 6500 mm or 1600–2200 x 3500 mm
- Length of the transfer conveyor: 4015 mm, extension 2000 mm

More details on our website: **www.reikalevy.fi**

RETAILER

MANUFACTURE AND SALE

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This brochure replaces all previously published product brochures.
We reserve the right to make changes.

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