



SAMI
Innovations for Agriculture



AUTOMATIC SPLITTER OF THE NEXT GENERATION



Maximized speed



More power



Undisturbed operation



SAMI AUTOCHOPPER

ENERGY





The next generation of log splitters has arrived

Long-term development has transformed the traditional log splitter into a modern automatic splitter. Say goodbye to drawbacks, stoppers, hurry and hard physical work. SAMI Autochopper makes log splitting effortless, safe and efficient.

Automatics and incredible reliability

The measuring technique and the microprocessor control used in harvesters are also the base of the SAMI Autochopper. The machine measures the length and the diameter of the log, constantly adjusting its cutting and splitting. As a result, you will have split logs of uniform quality in no time, and no waste bits! You only need to make sure that there are always logs on the feed belt – the Autochopper will take care of the rest. Autochopper saves time and accelerates the work day of a professional wood chopper. Thanks to the modern technology, the need for maintenance is at its minimum and the safety at its maximum. Welcome to the new era of log splitting!

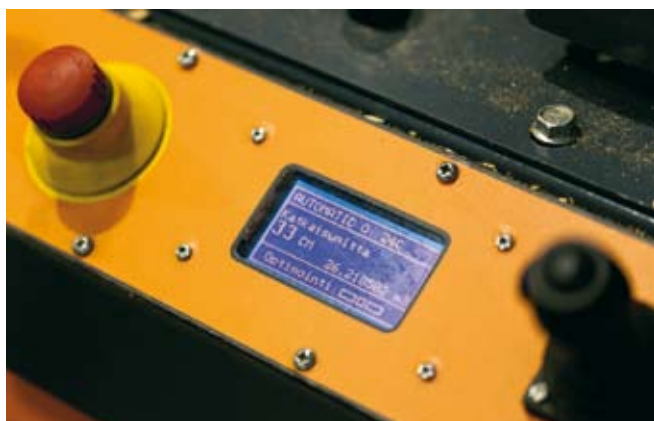
The new Autochopper is even more efficient

The SAMI Autochopper was rewarded in 2010 for its innovations, and today it is even more efficient. All the valuable user experiences have been taken into account during product development. As a result, the SAMI Autochopper is a faster and more secure log splitter. Thanks to the double-cylinder the cycle time is as much as 30% faster than before.



THERE ARE TWO CAPACITY RATINGS available for the SAMI Autochopper chain saw for different needs and professional use. The combi-model can be operated with either electricity or with tractor's power input.

- AN AUTOMATIC LOG SPLITTER



AUTOMATIC

- Microprocessor controlled
- Automation is 25% more efficient than the traditional firewood production*
- Automatic measuring system measures the log at every saw cut:
 - splitting always in the middle of the log, logs less than 100 mm are split automatically in half
 - optimizing the length of the log, no waste bits

**) Research carried out by the Technical Research Centre of Finland 11/2011*



RELIABLE

- Standardized frame, robust beam frame
- No scuffing adjustment components
- Automatic disconnection of jammed blade
- The automatics of the machine prevent from overloading



FAST

- Saws and splits simultaneously
- With the double-cylinder, the splitting force and speed are always optimized to maximum efficiency irrespective of the size of the log
- Thanks to its speedy cycle, it has the fastest output per hour in the market
- Due to the undisturbed operation, there are no downtimes



EASY TO USE

- Easy and quick to set for use and for transport
- Ready-made work settings straight from the memory
- No mechanical adjustments, control of the entire machine in the control panel
- The machine works independently; the user only places the logs on the feeding table



SAFE AND ERGONOMICAL

- Meets the requirements of directives on machinery safety
- Concerted operating mechanism behind one service cover
- Controlled and unique log handling
 - the cut log is transferred in two stages into the splitting channel
 - split logs are transferred straight into the discharge conveyor



EFFICIENT

- Split logs fall straight into the discharge conveyor
- Controlled process; no idling or downtimes
- The user is free to concentrate on other assignments
- Four stylish models for different uses

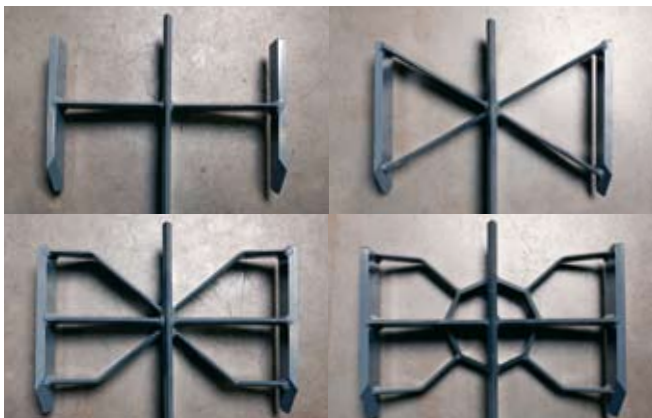
ACCESSORIES

Accessories to accelerate and to ease the use

SAMI Autochopper carries a wide range of accessories and versatile software additions.



THE HYDRAULIC LOG LIFTER minimizes physical work phases and is safe to use because of its completely vertical lifting direction. Attached to the feed table, it does not lean against the ground, which makes it easily movable with the feed table. Consequently, the lifter is also always ready for use.



DIFFERENT SPLITTING WEDGES allow you to make logs for different needs. The splitting wedge 2/12 does the trick for even the largest logs.



AT WIDEST, SAMI AUTOSORTER consists of a loading table, a sorter and a transfer conveyor. SAMI Autosorter integrated in SAMI Autochopper – the entire log splitting process is automatic.



THE SAWDUST EXTRACTOR traps all sawdust neatly into a container. A compact model runs on mains electricity, the larger exhauster on 3-phase power.

ACCESSORIES FOR LOG SPLITTERS

Accessory	Information
Hydraulic log lifter	
Hydraulic sideways rotation of the discharge conveyor	
Control of one external hydraulic motor	Connection to the user's log deck with one hydraulic motor
Control of two external hydraulic motors	Connection to the user's log deck with two hydraulic motors
Splitting wedge 2/4	
Splitting wedge 2/6	
Splitting wedge 2/8	
Splitting wedge 2/12	
Chain blade 440	
Hard metal chain 440	
Flange Harvester Oregon 16H 54	
Sawdust extractor mains electricity	220 V / 1500 W / 120 l / 1 connection
Sawdust extractor 3-phase power	DC 500 E / 380 V / 2.2 kW / 2 x 150 l / 2 connections
Spotlights set	
Oil cooler	For TC- and TEC-models
SAMI Autosorter perfect	Includes a loading table, a sorter and a 4-meter transfer conveyor
SAMI Autosorter without the loading table	Includes a sorter and a 4-meter transfer conveyor
SAMI loading table	
SAMI 4-meter transfer conveyor	
SAMI 2-meter extension to transfer conveyor	

- AN AUTOMATIC LOG SPLITTER

SAMI AUTOFACTORY

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



Service throughout the lifecycle of the product Reikälävy wishes to serve the user throughout the life-cycle of the product: equipment deliveries, user instructions, programme updates, maintenance. This enables cost optimization and offers constantly competitive, safe and developing solutions that embrace the newest technologies for the demands of a professional user.

Become familiar with SAMI Autochopper and our services on our renewed website and online store at www.reikalevy.fi:

- user instruction manuals
- user instruction videos
- maintenance instructions
- spare parts

SAMI AUTOCHOPPER

Description of the markings

- S = floor type
- 110/185 = 11/18.5 splitting power in t
- T = Tractor operated
- E = Electric motor operated
- C = Chain saw
- 440 = Blade range in mm



Features by model	S110-TC440	S110-TEC440	S185-TC440	S185-TEC440
Saw's form of use	Chain saw	Chain saw	Chain saw	Chain saw
Saw's blade size mm	Harvester 440	Harvester 440	Harvester 440	Harvester 440
Maximum blade range	440mm	440mm	440mm	440mm
Method of application	Tractor	Tractor and electric	Tractor	Tractor and electric
Driving force	30hp	11kW or 30hp	40hp	15kW or 40hp
Operating voltage	12 V	12 V	12 V	12 V
Transmission of the saw	Hydraulic	Belt/Hydraulic	Hydraulic	Belt/Hydraulic
Minimum/maximum log length ¹⁾	200-500 mm	200-500 mm	200-500 mm	200-500 mm
Splitting force	11t	11t	18.5t	18.5t
Optimization of the splitting power and speed with the double-cylinder	Yes	Yes	Yes	Yes
Cycle time ²⁾	4-8s	4-8s	4-8s	4-8s
Control system	Microprocessor	Microprocessor	Microprocessor	Microprocessor
Mechanical adjustments	No	No	No	No
Automatic drive	Yes	Yes	Yes	Yes
Semi-automatic use with joystick	Yes	Yes	Yes	Yes
Manual use with joystick	Yes	Yes	Yes	Yes
Uninterrupted Nonstop drive	Yes	Yes	Yes	Yes
Log feeding at feed belt	Yes	Yes	Yes	Yes
Feed mat reverse	Yes	Yes	Yes	Yes
Automatic log ram and diameter measurement	Yes	Yes	Yes	Yes
Automatic blade disconnection	Yes	Yes	Yes	Yes
Automatic splitting wedge alignment at every saw cut	Yes	Yes	Yes	Yes
Automatic cut in half of logs less than 100 mm	Yes	Yes	Yes	Yes
Optimization of log ends, 3 alternatives	Yes	Yes	Yes	Yes
Telescopic fully hydraulic discharge conveyor	Yes	Yes	Yes	Yes
Litter separator at the end of the discharge conveyor	Yes	Yes	Yes	Yes
Sideways rotatable discharge conveyor	Yes	Yes	Yes	Yes
Standard splitting wedge 2/4	Yes	Yes	Yes	Yes
Splitting wedge 2/6	Option	Option	Option	Option
Splitting wedge 2/8	Option	Option	Option	Option
Splitting wedge 2/12	Option	Option	Option	Option
Hydraulic log jack / working and transport position	Option	Option	Option	Option
Spotlights	Option	Option	Option	Option
Hard metal chain	Option	Option	Option	Option
Hydraulic sideways rotation of the discharge conveyor	Option	Option	Option	Option
Oil cooler	Yes	Option	Yes	Option
Honeycomb-structured oil tank with opt. couplings, capacity	115l	115l	115l	115l
Hydraulic spool valve for an accessory (e.g. for a manual table)	Yes	Yes	Yes	Yes
Adapter for the sawdust extractor	Yes	Yes	Yes	Yes
Fitted tarpaulin	Yes	Yes	Yes	Yes
Information display and log:	Yes	Yes	Yes	Yes
- optimization choice				
- oil temperature				
- adjustment of the chain's lubrication				
- operating hour meter				
- volume of cut logs m ³				
- maintenance notification				
- error code				
- interface for options (e.g. SAMI Autosorter)				
- option for software additions				
Measures in transport position WxDxH	263x149x270cm	263x149x270cm	263x149x270cm	263x149x270cm
Measures in working position WxDxH	720x149x240cm	720x149x240cm	720x149x240cm	720x149x240cm
Weight	1400kg	1540kg	1450kg	1590kg

- 1) The measure of length is normative. When the diameter of the wood increases to more than 30 cm, the maximum length decreases to about 450 mm.
- 2) The size, quality and hardness of the wood have a fundamental impact on rotation speed when working with wood. The reference values in the chart have been measured using fresh birch with a diameter of 15-30 cm.

RETAILER

www.reikalevy.fi

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

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ENERGY