

# HAKKIPILKE®

FIREWOOD PROCESSORS 2014



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 **M.LARGE**



**HAKKIPIILKE®**

FIREWOOD PROCESSORS

# The Best Firewood Processing Technology There Is!

Maaselän Kone Oy is a Finnish company with more than 30 years' experience of manufacturing wood processing equipment. During this time, our products have gained an excellent reputation in over 30 countries worldwide.

Thanks to the trust that our customers have in our products and services, our machines are market leaders in their categories in many of these countries. Maaselän Kone's products have for many years included innovative features in advanced firewood production machinery. In various practical tests and competitions many of our machines have proven more efficient than competing products in their categories.

As a result of long term development, our machines are exceptionally light, fast and efficient in relation to their size. They are also renowned for their usability and reliability. Our goal is to further strengthen our position as leaders in the development and production of firewood production equipment by continuing research.

Our products and services help our customers around the world to utilise this renewable resource for heating, cooking, and of course simply providing a warm and homely atmosphere on a winter evening!

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**HAKKIPIILKE®**

FIREWOOD PROCESSORS

## Maximise the value of your timber

There are a number of strict quality requirements which directly affect the price of the end product. These requirements have been taken into account in the design of Hakki Pilke equipment for your benefit. Whether you are a professional firewood producer or a domestic user, efficiently made, high-quality, and uniform firewood is a definite asset. As a professional or domestic user you can maximise the value of your timber and avoid unnecessary work to facilitate production and storage of your wood fuel.

### The anatomy of firewood

Firewood is usually made from round timber split and cut to a particular length. Normally, firewood is cut to pieces of 25, 33 or 50 cm in length. Shorter, 25 and 33 cm firewood is often used to heat sauna stoves and fireplaces, whereas longer 50 cm wood is more commonly used in baking ovens and central heating boilers.

### Quality classes for firewood

The quality class of a batch of firewood is affected by the wood species, length, thickness, moisture content, cut surface, splitting, cleanliness and colour as well as the occurrence of rot and mould. If a batch being classified presents properties that fall between quality classes, the batch is assigned to the lower class. (Finbio)

### Firewood quality classes (Finbio):

	Class 1	Class 2	Class 3
25 cm firewood:	25 ± 1 cm	25 ± 3 cm	25 ± 4 cm
33 cm firewood:	33 ± 2 cm	33 ± 4 cm	33 ± 6 cm
50 cm firewood:	50 ± 2 cm	50 ± 4 cm	50 ± 6 cm

### Maximise the value of your timber

HakkiPilke log splitters will always put your firewood into the highest quality class. The end product is free of debris, and the cut surface is clean and even. You can specify the length of the split logs precisely to your preference. The easy-to-use splitters make firewood production fast and energy efficient.

# HAKKIPILKE®

## Easy 50

HakkiPilke Easy 50 (Firewood Factory) This superior, professional machine showcases the expertise and pioneering status of Maaselän Kone Oy as a developer and manufacturer of firewood processors. One cubic metre of firewood is produced with seven splitting strokes. Due to the automatically adjusted splitting power (4-30 t), the machine is an efficient and productive tool. HakkiPilke Easy 50 is an ergonomic workhorse for the professional. Input, cutting, and splitting are all controlled with just one joystick. Thanks to the solid bottom splitting groove and integrated dust remover, the working space remains clean and safe. The correctly designed perforation and colouring of the new safety cage allows optimum vision for easy work monitoring. The machine is light for its size and has an ideal weight distribution, meaning that it can be safely transported using the three-point lift of a medium-sized tractor. Thanks to its features, HakkiPilke Easy 50 is favoured by professionals producing firewood from the hardest wood species around the world.



The wood is cut with a 20" hydraulic chain saw.



Integrated and efficient dust removal.



Innovative and efficient cleaning conveyor.



Firewood Factory.



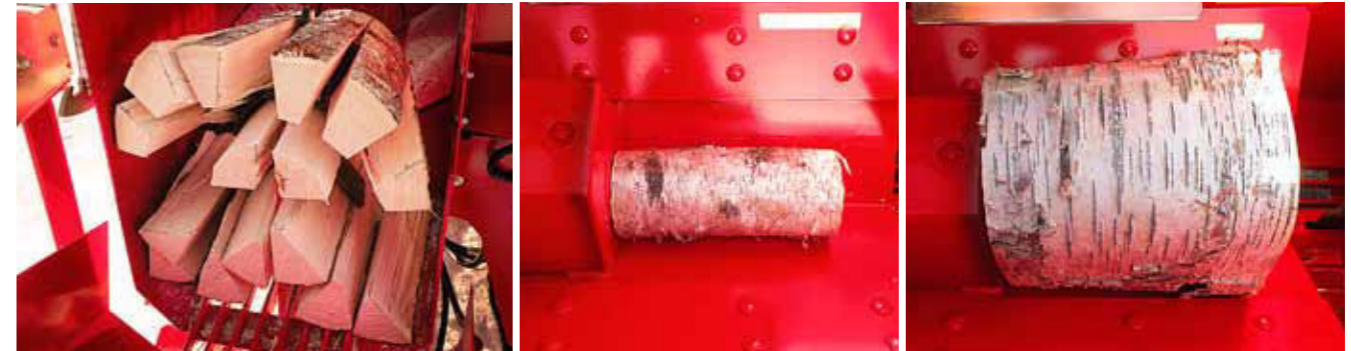
TECHNICAL SPECIFICATIONS	
Max log diameter	470 mm
Max wood length	600 mm
Max splitting force	30 t
Blade length	20 "
DIMENSIONS in transport position	
Height	2,900 mm
Width	3,100 mm
Length	1,520 mm
Weight	2,100 kg

# HAKKIPILKE®

## Easy 42

The HakkiPilke Easy 42 is an fast and effective professional firewood processor. It is used to cut and split wood with a diameter of over 40 cm. Thanks to the patented two-cylinder technology, firewood can be made efficiently even from the smallest branches. The splitting power automatically varies between 3 and 13.2 tonnes, which means that when splitting thin wood, the machine operates faster and with less power. On larger wood full power is used to split the logs into 2, 4, 6, 8 or 12 pieces. This feature makes the HakkiPilke Easy 42 one of the most effective machine in its category.

Despite its effectiveness, the HakkiPilke Easy 42 only weighs just over 1,000 kg. It is easy to move and transport using the three-point lift of a medium-sized tractor. Equipped with a self-cleaning output conveyor and a log deck, the HakkiPilke Easy 42 becomes an efficient, complete production line ideal for demanding professional use.



Logs can be split up to 12 pieces.

Speed for smaller wood.

Power for larger wood.



#### TECHNICAL SPECIFICATIONS

Max log diameter	420 mm
Max wood length	600 mm
Max splitting force	13.5 t
Blade length	20 "

#### DIMENSIONS in transport position

Height	2,500 mm
Width	2,700 mm
Length	1,360 mm
Weight	1,170 kg

# HAKKIPIILKE®

## Easy 38

The Easy 38 is the newest model in the HakkiPilke product family. This new machine can process wood up to 38 cm in diameter. Thanks to a brand new, electrically-operated splitting control mechanism and hydraulic saw, smaller wood can also be sawn and split considerably faster. The slewing 4-metre output conveyor is equipped with a debris separator, which ensures a cleaner result and allows the firewood to dry faster. These features also make the new model an effective alternative for professional users. HakkiPilke Easy 38 has also been designed to be extremely easy to use and maintain.



Working position.



Transport position.



Easy to service.



TECHNICAL SPECIFICATIONS	
Max log diameter	380 mm
Max wood length	600 mm
Max splitting force	8 t
Blade length	16 "
DIMENSIONS in transport position	
Height	2,520 mm
Width	2,460 mm
Length	1,300 mm
Weight	880 kg

# HAKKIPILKE®

## Expert 37

The HakkiPilke Expert 37 is excellent for professional use but also offers a unique option for demanding domestic use or as a shared machine when making larger amounts of firewood. Even though the machine only needs 7.5 kW of power and weighs just 750 kg, it can be used effectively to split trunks almost 40 cm thick. This exceptional power is best exhibited when making firewood out of trunks of varying sizes. The speed of the machine is automatically adjusted according to the size of the trunks.

### Top-class production with the Easy equipment

Hakki Pilke Expert 37 can be equipped with the Easy function to enhance its user friendliness. This feature is especially useful for professionals. With the Easy equipment, wood can be moved forward and back, cut, and the height of the blade easily adjusted using hydraulic levers.



Ergonomic and easy control.



TECHNICAL SPECIFICATIONS	
Max log diameter	370 mm
Max wood length	600 mm
Max splitting g force	7 t
Blade length	16 "
DIMENSIONS in transport position	
Height	2,630 mm
Width	2,480 mm
Length	1,150 mm
Weight	810 kg

# HAKKIPILKE®

## Expert 30

When the HakkiPilke 2X was launched fifteen years ago, it was the first firewood processing machine with a chain saw. The HakkiPilke Expert 30 sold today has been developed in a myriad of ways based on user feedback, and it is a powerful and easy-to-use solution for domestic use. With the Easy equipment option the 2X is also suited for professional use.

The excellent productivity of the HakkiPilke Expert 30 is based on the machine's technology that uses two splitting cylinders. With the Easy equipment, the wood can be moved forward and back and then cut, and the splitting blade can be easily adjusted using the two hydraulic levers. The HakkiPilke Expert 30 is an extremely fast machine that can be used to split wood with a diameter of up to 30 cm.



Two splitting units ensure high productivity even with smaller wood.



TECHNICAL SPECIFICATIONS	
Max log diameter	300 mm
Max wood length	600 mm
Max splitting force	5.5 t
Blade length	15 "
DIMENSIONS in transport position	
Height	2,630 mm
Width	2,480 mm
Length	1,150 mm
Weight	860 kg

# HAKKIPIILKE®

## OH 27

The HakkiPilke OH 27 is an easy-to-use firewood processor for domestic use. It can be equipped with a separate electric motor or be used with a tractor PTO. The OH 27 has a conveyor making it easy to process wood and move it directly to a shed, stockpile, or trailer.

Depending on the blade used, the wood can be cut into up to six parts, producing conveniently sized firewood even from sturdy trunks. The circular saw of the HakkiPilke OH 27 is equipped with a Tungsten tipped blade for cutting dirty wood.

A two speed valve that automatically accelerates the splitting motion is available for the splitter as an additional accessory. It speeds up the splitting motion for wood types that require less force by up to 33%.



Hard metal blade as standard.

A six piece splitter blade available as an accessory.



#### TECHNICAL SPECIFICATIONS

Max log diameter	270 mm
Max wood length	600 mm
Splitting blade ø	700 mm
Hard metal blade	standard

#### DIMENSIONS in transport position

Height	2,480 mm
Width	2,550 mm
Length	800 mm
Weight	560 kg

# HAKKIPIILKE®

## Expert 25

The HakkiPilke Expert 25, which is equipped with a chain saw, has been specifically designed for domestic use. The wood feeding functions have been simplified without compromising efficient wood processing. This solution enables the domestic user to achieve superior efficiency at an extremely competitive price. With the optional log hoisting device, handling even large trunks is easy.



Lightness with a log hoist.

Log feed with a metallic spike roller.



#### TECHNICAL SPECIFICATIONS

Max log diameter	250 mm
Max wood length	600 mm
Max splitting force	5.5 t
Blade length	13 "

#### DIMENSIONS in transport position

Height	2,480 mm
Width	2,520 mm
Length	1,150 mm
Weight	830 kg



# HAKKIPIILKE®

## Hawk 25

Hakki Pilke Hawk 25 is a mobile firewood machine both for home use as well as for summer cottage use. Because of the ATV carriage the machine is easily transported where ever the wood is. The machine is service free because of the hydraulic functions (no belts). Hakki Pilke Hawk 25 is user friendly and a good value for money. It's an efficient machine in small size. Try it out!

Hawk 25 is available as PTO, electric and with 13 hp petroleum motor.



PTO model with 3 hitch point.

Carefree and safe machine (cutting and splitting will not function while the safety cover is open).



Hakki Pilke Hawk 25 models can be registered for road transport use.

### TECHNICAL SPECIFICATIONS

Max log diameter	250 mm
Max wood length	400 mm
Max splitting force	3.5 t
Hard metal blade	13 "

### DIMENSIONS in transport position

	PTO	ELECTRICAL MOTOR/ COMBUSTIAL ENGINE
Height	2,550 mm	2,550 mm
Width	1,000 mm	1,400 mm
Length	2,400 mm	2,400 mm
Weight	415 kg	475 kg

# HAKKIPIILKE®

## HH 100

When you need long firewood or the trees to be split are too big the HakkiPilke HH 100 hydraulic splitter is the ideal choice for both domestic and professional use. The length of the splitting stroke can be adjusted according to the wood, and the machine is easy and efficient to operate.

The user can choose how many pieces the wood is split into by changing the position of the splitting blade. The HakkiPilke HH100 splitter can be equipped with a two speed valve that accelerates the splitting motion by 33% when splitting wood that does not require great force.



A speed valve is available as an accessory.

Height adjustment for the splitting blade is easy using the control handle.



### TECHNICAL SPECIFICATIONS

Max log diameter	450 mm
Max wood length	1,100 mm
Max splitting force	7.0 t

### DIMENSIONS in transport position

Height	1,100 mm
Width	950 mm
Length	2,700 mm
Weight	230 kg

Accessories and more detailed specification can be found on page 19.

# HAKKIPIILKE®

## Eagle

The HakkiPilke Eagle splitting circular saw makes cutting and splitting of wood simple and easy. Tractor-powered and electrically-powered versions of the machine are available. The splitting circular saw is equipped with a Tungsten tipped blade that enables the cutting of dirty wood. A well guarded screw splitter safely splits logs up to 270mm. The HakkiPilke Eagle can be equipped with transport wheels to make moving the machine easier.



Safe splitting.

Wheels available as an accessory.



### TECHNICAL SPECIFICATIONS

Max log diameter	270 mm
Max wood length	450 mm
Splitting blade dia	700 mm
Hard metal blade	standard

### DIMENSIONS in transport position

Height	1,300 mm
Width	950 mm
Length	1,700 mm
Weight	185 kg

Accessories and more detailed specification can be found on page 19.



## Log hoists



HAKKILIFT 371	
Length	2,150 mm
Weight	70 kg
Width	1,100 mm
Height	50/850 mm

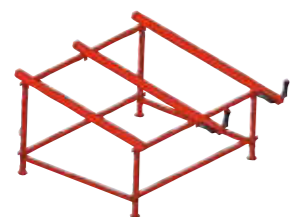


HAKKILIFT 381	
Length	2,220 mm
Weight approx.	70 kg
Width	1,100 mm
Height	50/1,000 mm



HAKKILIFT 421	
Length	2,150 mm
Weight	approx. 80 kg
Width	1,150 mm
Height	50/1,000 mm

## Wood holders



HAKKIFEEED 371	
Length	2,350 mm
Weight	200 kg
Width	2,080 mm
Height	880/1,220 mm
- Adjustable legs	



HAKKIFEEED 421	
Length	2,350 mm
Weight	238 kg
Width	2,120 mm
Height	880/1,230 mm
- Hydraulic dispenser	
- Adjustable legs	



HAKKIFEEED 422	
Length	2,480 mm
Weight	285 kg
Width	2,280 mm
Height, adjustable	880-1,320 mm
1230-1,660 mm	
- Hydraulic dispenser	
- Adjustable legs	
- 2 pincher rolls	



HAKKIFEEED 471	
Length	3,600 mm
Weight	616 kg
Width, adjustable	960-1500 mm
Height, adjustable	1000-1,440 mm
- 2 pincher rolls	
- Adjustable legs	
- Mechanical separator	
- Extension accessory 2-6 m	



HAKKIFEEED 472	
Length	3,500 mm
Weight	925 kg
Width	2,200 mm
Height, adjustable	1000-1,440 mm
- 3 pincher rolls	
- Adjustable legs	
- Mechanical separator	
- Extension accessory 2-6 m	



HAKKIPIILKE CLEANER	
Length	2,870 mm
Weight	500 kg
Width	1,190 mm
Height	2,870 mm

MODEL	Easy 50	Easy 42	Easy 38	Easy 37	Expert 37	Easy 30	Expert 30	OH 27	Expert 25	Hawk 25	Eagle	HH100	
<b>Features</b>													
Recommendations for use													
- Domestic use					•	•	•	•	•	•	•	•	
- Professional use		•	•	•	•	•	•						
- Industrial production	•												
Max log diameter, mm	470	420	380	370	370	300	300	270	250	250	270	450	
Cutting length, mm	600	600	600	600	600	600	600	600	600	400	450	1100	
Cutting method													
- Circular blade, Ø mm								700			700		
- Chain saw, blade flange inches	20	20	16	16	16	15	15		13	13			
Splitting force, tonnes	4-30 Modifiable	3.5-13.5 Modifiable	8.0	7.0	7.0	5.5	5.5	5.5	5.5	3.5		7.0	
<b>Power source</b>													
Tractor	•	•	•	•	•	•	•	•	•	•	•	•	
Tractor/electrical motor	•	•	•	•	•	•	•	•					
Electrical motor	15 kW	15 kW	10 kW	10 kW	7.5 kW	10 kW	7.5 kW	7.5 kW		4.0 kW	4.0 kW		
Combustion engine										13 hp			
Power demand	50 hp	50 hp	35 hp	35 hp	30 hp	35 hp	30 hp	30 hp	30 hp	20 hp	20 hp		
Sulakekoko	35 A	35 A	25 A	25 A	20 A	25 A	20 A	20 A		16 A	16 A		
<b>Dimensions in the transport position</b>													
Height, mm	2900	2500	2520	2630	2520	2630	2520	2480	2480	2550	2550	1300	1100
Width, mm	3100	2700	2480	2480	2450	2480	2520	2550	2520	1000	1400	950	950
Depth, mm	1520	1360	1300	1150	850	1150	850	800	1150	2400	2400	1700	2700
Machine weight, kg	2100	1170	880	750	810	750	860	560	830	415	475	185	230
Length of the output conveyor, m	4.0**	4.0**	4.0**	4.0**	4.0*	4.0	4.0	3.2	4.0	2.0	2.0		

\*) models available with laterally-turning output conveyor

\*\*) models with laterally turning output conveyor as a standard accessory

ADDITIONAL ACCESSORIES	Easy 50	Easy 42	Easy 38	Easy 37	Expert 37	Easy 30	Expert 30	OH 27	Expert 25	Hawk 25	Eagle	HH100
<b>Splitting blade options</b>												
2/4	•	•	•	•	•	•	•	•	•	•	•	•
6	•	•	•	•	•	•	•	•				
8	•	•	•									
12	•	•										
<b>Log handling</b>												
Log hoists												
- HakkiLift 371				•	•	•	•					
- HakkiLift 381			•									
- HakkiLift 421		•										
Wood holders												
- HakkiFeed 371	•	•	•	•	•	•	•	•	□	•		
- HakkiFeed 421	•	•	•	•	□	•	□		□			
- HakkiFeed 422	•	•	•	•	□	•	□		□			
- HakkiFeed 471	•	•	•	•	□	•	□		□			
- HakkiFeed 472	•	•	•	•	□	•	□		□			

□ Demands extra valve and special equipment of wood table

Manufacturer reserves the right to changes.



Manufacturer

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