READY FOR DUTY
PALAX FIREWOOD PROCESSORS WITH A CIRCULAR SAW

The key benefits of a circular saw are speed, freedom of maintenance and a small amount of oil-free sawdust generated. The hard-metal blade cuts the log reliably and quickly. Long sharpening intervals increase the effective working time. Even the splitting blade with quick-release can be changed in a matter of seconds.

4  C1000
5  C900
6  C750
7  C700 COMBI

PALAX FIREWOOD PROCESSORS WITH A CHAIN SAW

The chain saw offers a greater cutting diameter compared with the hard-metal blade machines in the same category. They are at the very best, when the thickness of the logs varies a great deal. All the chain saws are fitted with an automatic chain lubrication system and quick-release of the splitting wedge.

8  KS 45S
9  D410
10 D360
11 D270 ACTIVE
Palax’s dedicated focus is on the designing, manufacturing and development of firewood processors. Thanks to our experience spanning over half a century, we can really manage this job, pledging that each seam and detail is in order.

ACCESSORIES
Easily load logs to the firewood processor by using the range of Palax log decks. After cutting and splitting, Palax Roller and Cleaner ensure that the wood is clean and will dry quickly.

12 MEGA/MIDI/DECK LOG DECKS
14 ROLLER/CLEANER FIREWOOD CLEANERS

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Palax C1000 is a robust firewood processor for tough professional use, equipped with several significant innovations. As a result of added chopping speed and power, it is one of the most productive and efficient firewood processors for bigger logs in its class. The new ergonomic design of the Palax C1000 machine makes it easy and efficient to use.

A patented Palax Optimi system controls the wood splitting length of Palax C1000. Together with an automatic rapid motion valve, this makes splitting the logs quicker than ever before, without forgetting the fast cutting pace of the circular saw. The 1,000 mm hard-metal cutting blade makes working quick, clean and maintenance-free. Additionally, the machine is equipped with automatic tightening of V-belts, which radically increases the service life of both the V-belts and the entire power transmission. The cutting pace can be adjusted in accordance with the type of processed wood.

With Palax C1000, you can take it easy: the fully hydraulic joystick control, robust input conveyor and the 4.3-metre-long disturbance-free output conveyor with speed control makes firewood processing both efficient and easy. Splitting blades from 2/0 blade up to 2/12 blade are available as accessories.

**Features**
- Automatic fast log splitting ensured by Palax Optimi and the automatic rapid motion valve
- Adjustable cutting speed
- Automatic V-belt tensioning
- Hydraulic log clamp
- Hydraulic joystick control
- Adjustable hydraulic log length stopper
- In-feed conveyor 33 x 225 cm
- Hydraulic Midi/Mega log deck control
- Hydraulic splitting wedge adjustment
- Conveyor speed adjustment
- Folding and laterally pivotable conveyor
- Hydraulic locking back support
- Dropping plate
- Fixed machine, no tractor 3-point linkage

**Power source**
- Tractor
  - Electric motor 15 kW
- Electric motor 35 A

**Available models:**
- PRO
- PRO+
- PowerSpeed

**Accessories**
- Palax Midi/Mega log deck
- Palax Roller cleaning conveyor
- Palax Cleaner debris barrel
- Palax Puru sawdust aspirator
- Hydraulic rear infeed roller
- Hydraulic oil cooler
- Hydraulic oil heater
- Outfeed conveyor extension 1 m
Palax C900 focuses on practicality while keeping user friendliness in mind as well. Operation is smooth and comfortable with a control panel that can be adjusted to the user’s height. No more aches from poor ergonomics!

Palax C900 features an uncompromisingly fast 900 mm hard-metal blade. In addition to the tireless blade, the splitting length of the machine is adjusted with the patented Palax Optimi. Together with the automatic rapid motion valve, it makes wood splitting unbeatably fast.

The machine features a hydraulic wood gripper and an out-feed conveyor with adjustable speed settings. The machine also features quick couplers for a Palax log deck.

The fully hydraulic controls, sturdy in-feed conveyor and 4.3 m out-feed conveyor make for efficient and easy firewood processing.
The speed and power of Palax C750 meets all demands. Its 750 mm hard-tip blade is the fastest on the market and will cut logs up to 28 cm (11") in diameter. Furthermore, the mechanical design of the rear part ensures an uninterrupted flow of material.

The robust splitting blade and advanced gripper make the machine comfortable to operate. When the wood is held firmly in place during cutting, workplace safety improves as well.

The in-feed conveyor and 4.3 m (14 ft) turning out-feed conveyor, both supplied with the machine, keep the wood in motion. The automatic rapid motion valve maximizes the splitting speed, guaranteeing high productivity. After the wood is split, the debris grate of the splitting groove collects pieces of debris, resulting in clean and easy-to-dry wood.

Available models:

<table>
<thead>
<tr>
<th>ERGO</th>
<th>PRO</th>
<th>PRO+</th>
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<tr>
<td>25-55 cm</td>
<td>4.5 s Ergo and Pro</td>
<td>2.6 s Pro+</td>
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Features

- Automatic automatic rapid motion valve
- Automatic V-belt tensioning
- Adjustable log clamp
- Connection for additional infeed roller/log deck
- Adjustable mechanical log length stopper
- In-feed conveyor 20 x 200 cm
- Folding and laterally pivotable conveyor

Pro and Pro+ features:

- Adjustable cutting speed
- Hydraulic joystick control
- Hydraulic splitting wedge adjustment
- Hydraulic log clamp
- Conveyor speed adjustment

Pro+ feature

PowerSpeed Cylinder for optimized splitting:
- Automatically adjusting splitting force and speed

Power source

- Tractor
- Electric motor 11 kW

Accessories

- Hydraulic Midi/Mega log deck control
- Palax Midi/Mega log deck
- Palax Roller cleaning conveyor
- Palax Cleaner debris barrel
- Palax Puru sawdust aspirator
- Conveyor speed adjustment
- Hydraulic oil heater
- Outfeed conveyor extension 1 m
Palax C700 Combi can process logs up to a maximum diameter of 25 cm. The 4.3-metre long, folding and swinging discharge conveyor with two chains ensures that the firewood ends up where it needs to be, while the high-speed-valve regulates the splitting speed and maximises processing speed.

The machine’s V-belts are tightened automatically, significantly increasing the durability of the belts. The machine is also equipped with a tipping, spring-suspended crosscut deck. The splitting wedge is easy to replace, thanks to its quick-release feature.

**Features**
- Automatic high-speed valve
- Automatic V-belt tensioning
- Adjustable mechanical log length stopper
- Automatic back stopper
- Automatic tipping deck
- Automatic conveyor chain tightening
- Safety rollers on the cutting table
- Transmission release switch, tractor use
- Folding and laterally pivotable conveyor

**Power source**
- Tractor
- Tractor/electric motor 7.5 kW
- Combustion engine

**Accessories**
- Mobile B Trailer with brakes
- Hydraulic splitting wedge adjustment
- Hydraulic oil heater
- Palax Roller cleaning conveyor
- Palax Cleaner debris barrel

**Specifications**
- 700 mm
- 7.5 kW / 25 A
- Max. 25 cm
- 4.3 m
- 5.6 t
- 4.5 / 3 s
The KS 45S is designed for contractors who process logs of extremely varying diameter. The machine is able to chop logs with a diameter up to 45 cm.

It stands out from its contenders by its hydraulic driven log-clamp and the dropping plate which directs the truncated logs in the correct position to the splitting wedge.

Sometimes even a professional needs relief: the all-hydraulic joystick control of the KS 45S makes the working effortless and a fully opening, protective net makes the maintenance easier.

The KS 45S comes with an efficient crosscut sawbar of 20°. The splitting operation begins immediately after the log has been cut off. The machine has a patented three-speed-cylinder which speeds up the processing of smaller logs. The KS 45S does not yield - no matter how heavy the load. The force of up to 16 tonnes is sufficient for even large logs. The contract work is finalised by the hydraulically driven 4.3-m long discharge conveyor that takes the ready firewood into bags or onto a pallet.

### Features
- **PowerSpeed Cylinder for optimized splitting:** Automatically adjusting splitting force and speed
- **Adjustable cutting speed/saw bar pressure**
- **Hydraulic log clamp**
- **Log clamp with hydraulic roller**
- **Adjustable mechanical log length stopper**
- **Hydraulic Midi/Mega log deck control**
- **Hydraulic splitting wedge adjustment**
- **Hydraulic joystick control**
- **Automatic saw chain lubrication**
- **Conveyor speed adjustment**
- **Folding and laterally pivotable conveyor**
- **In-feed conveyor 33 x 225 cm**
- **Connection for additional infeed roller/log deck**
- **Dropping plate**

### Power source
- Tractor
- Tractor/electric motor 22 kW

### Accessories
- Palax Midi/Mega log deck
- Palax Roller cleaning conveyor
- Palax Cleaner debris barrel
- Palax Puru sawdust aspirator
- Hydraulic infeed roller to extension table
- Hydraulic oil cooler
- Hydraulic oil heater
- Outfeed conveyor extension 1 m
The Palax D410 meets the needs of even the most demanding professionals. With an improved pusher design, the D410 will allow you to manage wood more easily. Additionally, it boasts increased splitting speed, more highly developed crushing and holding of the crusher and maintenance of the chains has been made convenient.

The Palax D410 has been created for handling heavy wood, and is able to process wood with up to 40 cm thick in diameter. The new design is not only more shockingly handsome, but also provides clearer visibility into the splitting chute. An additional new feature is the availability of the twelve-part splitting blade for handling soft wood.

The Palax D410’s features raise working to a new level. A machine with maximum comfort that will turn any working man into Superman.

The choice for heavy-duty jobs
Developed to process even the largest of logs with ease

Available models:
- ERGO
- PRO
- PRO+

Pro+ features
- PowerSpeed Cylinder for optimized splitting:
  - Automatically adjusting splitting force and speed
- Hydraulic log clamp
- Adjustable mechanical log length stopper
- Hydraulic Midi/Mega timber deck control
- Hydraulic splitting wedge adjustment
- Hydraulic joystick control
- Automatic saw chain lubrication
- Conveyor speed adjustment
- Folding and laterally pivotable conveyor
- In-feed conveyor 20 x 200 cm
- Connection for additional infeed roller/log deck

Power source
- Tractor
- Tractor/electric motor 11 kW

Accessories
- Palax Midi/Mega timber deck
- Palax Roller cleaning conveyor
- Palax Cleaner debris barrel
- Palax Puru sawdust aspirator
- Hydraulic oil cooler
- Hydraulic oil heater
- Outfeed conveyor extension piece 1 m
Palax D360 is at the top of its class with its technical features and comfort of use: the increased splitting force and speed, the improved adjustable log clamp and wood length stopper as well as facilitated chain maintenance and the visibility to the channel, thanks to the new safety net design. In addition, increased oil capacity allows the oil temperature to remain at a moderate level.

The machine has been equipped with a 15” chainsaw which enables cutting logs as thick as 36 cm in diameter. Palax D360 is an excellent choice for firewood processing especially when the thickness of the processed logs varies. The quick, reliable input conveyor also makes the hard work easier.

The chainsaw’s automatic oiler lubricates the blade evenly during the sawing, so you can keep up the quick pace at all times. Additionally, the machine is by default equipped with a rapid motion valve which helps split small logs quickly and slows down the bigger logs only during the initial splitting phase when more force is required.

The splitting channel’s debris grate lets through any debris from the splitting, leaving an end result of clean and easily dryable wood. If you are looking for an all-purpose machine intended for hard workers, this is the one - and it comes in a compact package that is more efficient than ever.
Even if the Palax D270 Active is small to the external dimensions, it is handy and effective when it comes to the processing of firewood. The protective net, which opens up completely, makes the maintenance easy, and the in-feed rollers for the logs make handling of the log lighter. Either a tractor, a combustion engine or an electric motor can be selected as the power source of the machine. The machine’s 4-ton cylinder guarantees that the splitting force is more than sufficient for consumer use. Cutting is affected by means of a 13” saw-bar and a chain-saw. A skilful saw operator is able to sharpen the chain himself without suspending the work with any unnecessary standstills.

The D270 Active is not at all picky in terms of working environment or the location of the work site. As it is easy to transfer, it follows the workman to wherever he goes. Platforms for transportation on and off the road are available as an option.
A deck doesn’t get any better than this! Palax Mega is equipped with a hydraulic chain-operated in-feed table and step feeder, as well as a 4 m chain beam. The chains can be run forward and backward. The capacity of this unbeatable workhorse is 12 cubic metres. Palax Mega is best suited for the largest of firewood processors.

- Palax Mega log-deck for C-series
- Breadth 2.2 m
- Chain beams 4 m
- Weight 1079 kg
- Capacity 10-12 m³
**Palax Midi**

Palax Midi features a hydraulic chain-operated in-feed table and rotating wood feeders. The width of the table can be adjusted from 1.7 m to 2.3 m. The basic model has two hydraulic feed rollers that feed the logs into the firewood processor and one freely rotating support roller. For longer logs, you can add an extra chain beam to the deck, which will also increase the load-bearing capacity of the deck. Palax Midi is best suited for small and medium-sized firewood processors.

- Two hydraulic rollers for C-series/D360 models
- Hydraulic infeed roller for C-series/D360/KS models
- Extra chain beam for longer logs

**A Sturdy Log Deck for Heavy-Duty Use**

**Palax Deck**

The logs await their chopper on a sturdy and easy-to-assemble log rack at the right cutting height. You can equip the deck with a hydraulic feed roller (accessory) to make your work easier when handling long logs and help you place the logs on the in-feed table of the machine. Palax Deck is best suited for small firewood processors with an in-feed table.

- Hydraulic infeed roller for C-series/KS40/D360 models
- Capacity 6 m³
Palax Roller cleans the wood efficiently after the firewood processor, eliminating the need for separate cleaning before packing. The vibrating rollers of different sizes, designed specifically for cleaning wood, shake small and large debris off the wood. Palax Roller is a versatile product designed to give you clean results! If you want to, you can also pour wood straight out of a bag or a front loader for cleaning. Couldn’t be much easier and cleaner! Palax Roller is ideal for hard wood as well. Clean wood will dry more quickly, resulting in high-quality wood ready for use. Roller is suited for screening wood up to 40 cm in length.

**Dimensions**
- Operating height: 2,200–3,000 mm
- Max. width: 1,515 mm
- Length: approx. 2,800 mm
- Length with conveyor: approx. 5,700 mm

**Weight**
- Weight with conveyor: 1,020 kg
- Weight without conveyor: 890 kg

**Operation**
- Roller: gear motor 400V / 0.55 kW
- Conveyor: gear motor 400V / 0.55 kW

**Screen size**
- 25 mm x 130 mm

**Power source**
- Electric motor
- Tractor hydraulics

**Accessories**
- Extension conveyor
The efficient and silent rotating debris barrel produces clean wood and keeps the work area tidy. Palax Cleaner reduces wood debris to a minimum. When cleaned, the wood also dries quickly to heat up your fireplace. To make bag filling easy, you can choose between available accessories, an extension conveyor or bag filling plates for two bags.

**Dimensions**
- Operating height: 2250–3250 mm
- Max. width: 1150 mm
- Length: approx. 2950 mm
- Length with conveyor: approx. 5,700 mm

**Weight**
- Weight with conveyor: 630 kg
- Weight without conveyor: 500 kg

**Operation**
- Roller: gear motor 400V / 0.55 kW
- Conveyor: gear motor 400V / 0.55 kW

**Screen size**
- 35 mm x 600 mm

**Power source**
- Electric motor
- Tractor hydraulics

**Accessories**
- Extension conveyor
- Bag filling plates for two bags
Our story began under the name Terästakomo in 1954 when the company founder, Lauri Viltamäki, established a blacksmith shop in a smoke sauna in the village of Ylistaro, Finland. The first products served the needs of farmers in agriculture and forestry. In 1959, our first firewood processor was introduced. Today, our company has more than 60 years of pioneering expertise in developing and manufacturing firewood processors and related accessories under the Palax brand name.

Palax is one of the world’s most renowned brands among professional loggers. Palax machines are sold in over 30 countries and our worldwide distributor network offers service and support in multiple languages.

The whole production chain from start to finish is in our own hands. Our production facilities, approximately 6,000 m² (65,000 ft²) are located in Ylistaro, Finland. The quality and efficiency are guaranteed by modern equipment, professional staff, team-based assembly and the latest knowhow. Our core values are vital to us - honesty, entrepreneurship, customer valuation, transparency and respect of employees - and they also reflect on the development of the state-of-the-art machinery.

We ensure that processing logs into firewood is comfortable and efficient. The Palax firewood processors are known for their robustness, reliability and ease of use - they are a perfect choice for anyone who requires ultimate productivity for demanding professional use. Above all, Palax machines retain their value well.

Ylistaron Terästakomo Oy including the Palax brand is part of the Finnish Industry Group Terra Patris.

Our pioneering spirit has been driving us from the company’s earliest days (pictured left is our first firewood processor) and allowed us to become one of today’s leading manufacturers in the world (pictured right is Palax C1000). We produce one thousand high-quality firewood processors per year at our own production facilities in Finland.