



COMBI M II - 3

KS 35 - 6

POWER 70S - 10

POWER 100S - 14

# RANGE OF PALAX FIREWOOD PROCESSORS

## Common features

### Discharge conveyor

A common feature of all machines is the redesigned, 4,3 m long and 0,2 m wide foldable firewood conveyor. The conveyors of all the machines are powered by a hydraulic motor that enables them to be swung by about 2,2 m to the side.

The conveyor of the large Power 100 model is 0,35 m wide. The swinging conveyor considerably increases productivity. For example, trailers can be filled up or two bag-stands used simply by swinging the conveyor.

The top and underside structures of the conveyor are completely open. This feature in practice eliminates all disturbances in operation and at the same time improves the safety.

The conveyor now comes with two strong chains, plastic scrapers and automatic tightening of the chains. In the robust Palax Monster model, using two chains has proved to be a reliable and trouble-free construction under all operating conditions.

### Automatic tightening of the V-belts

The transmission of the tractor-powered models features automatic tightening of the V-belts between the angular gear and the blade shaft. The automatic tightening requires less servicing and consequently reduces strain on the transmission, thus increasing its service life.

### Palax Combi M II

The Palax Combi M, which has been in production for almost 30 years, represents the traditional line of firewood processors. The machine is an efficient and reliable basic unit. Equipped with

a hard-metal blade, it is well suited to general processing of all kinds of trees under 25 cm in diameter.

### Palax KS 35 Ergo and KS 35 s

The Palax KS 35 Ergo is a firewood processor equipped with a 15" chainsaw, in-feed conveyor and hydraulic transmission. This machine is an ideal choice for farm use where tree diameters vary greatly but do not exceed 35 cm. KS 35 s is efficient choice for professional use where tree diameters vary greatly.

### Palax Power 70 and 70s

The very efficient firewood processors in the Power 70 and 70s range are equipped with a 700 mm overhead hard-metal blade and an in-feed conveyor. The Palax Power 70 s is the most powerful option for processing trees under 25 cm in diameter.

### Palax Power 100 s

The machines in the robust Palax Power 100s range are equipped with a 1000 mm overhead hard-metal blade, a thrust force of 16 tons and fully hydraulic control. The machine is at its best when processing beech or oak. The maximum tree diameter allowed is 40 cm.

### Safety

Safety has always been the primary objective when designing Palax products. The Palax 600 Combi range was the first European firewood processor brand to gain CE approval.





**PALAX®**  
*Combi M II*

## PALAX COMBI M II

The Palax Combi M II is a fast and versatile firewood processor for efficient cutting and splitting of trees up to 25 cm in diameter. The machine is also well suited to sawing slender trees, even in bunches. The hard-metal blade of the machine is immune to impurities in the tree. As standard, the machine is equipped with a 4,3 m long, foldable and swinging discharge conveyor equipped with two chains.

### Increased productivity with swinging discharge conveyor

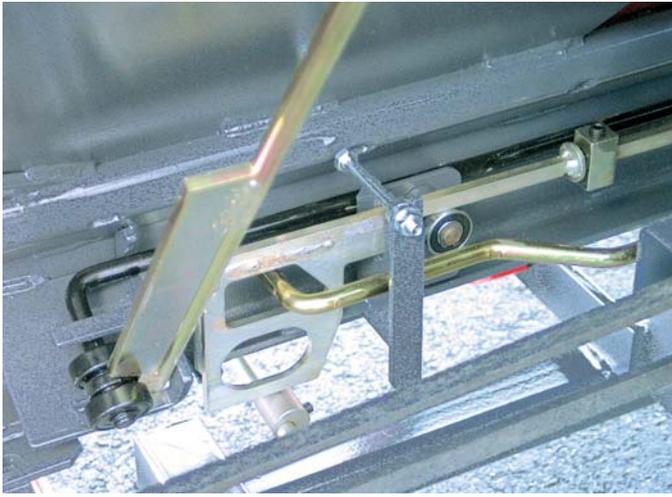
Release the swing lock simply by depressing it by foot. The conveyor can be swung by about 2,2 m to the side and can be locked in five different positions. This speeds up the loading operation noticeably. If you are processing firewood in bags, you can use two stands.



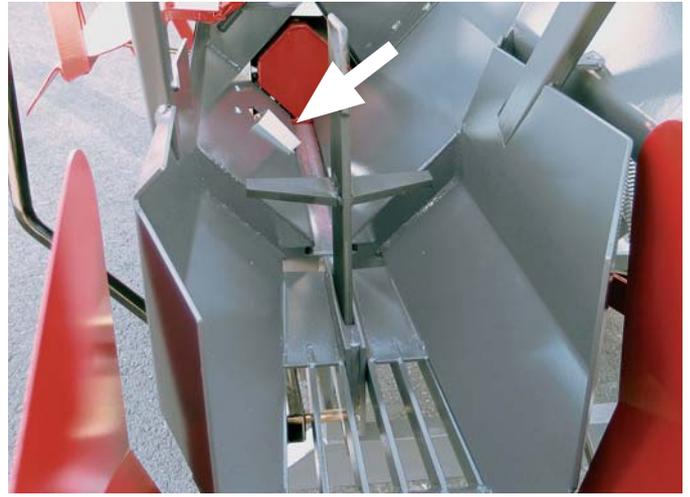
It is easy to fold the Palax 43 conveyor into the transport position. The conveyor is equipped with a lifting winch and a handy chain lock. Getting the conveyor ready for operations or transport is quick and easy.

FIREWOOD PROCESSORS

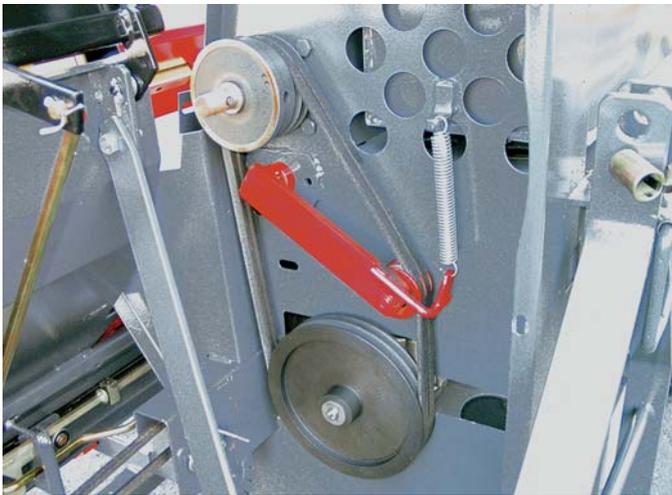
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**Precise operation** The launch device A and safety wedge B of the net cage are equipped with lubed-for-life ball bearings. Thanks to these bearings, the machine operates precisely, easily and virtually without maintenance.



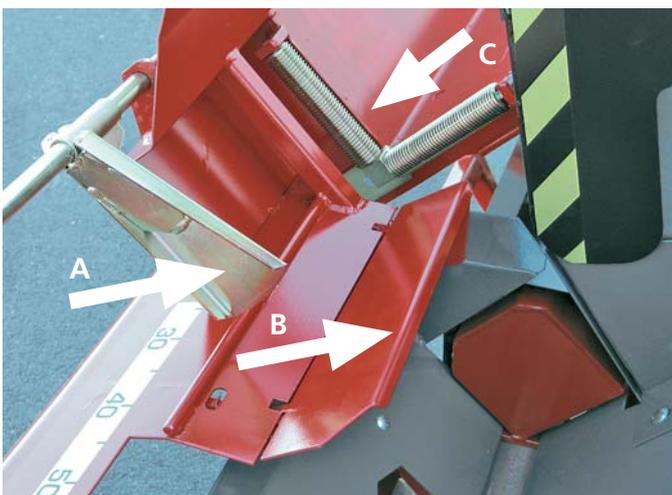
**Reliable launch of splitting motion** The log always falls in straight position on the sensor. Therefore, even a small log is able to launch the splitting motion.



**Automatic tightening of the V-belts** Keeping the angular gear belts at the correct tightness reduces strain on the transmission and significantly extends the service life of the belts.



**Stepless height adjustment of the splitting wedge** The height adjustment of the wedge is stepless, easy-to-operate and reliable. The wedge is equipped with a quick-release.



**Patented log-stop A, tipping deck B and safety rollers C** As the deck is in the rear position, the log-stop is in the operating position. As the tree is being cut, the log-stop automatically swings to the rear and the log falls freely.



**Folding and swinging conveyor** with hydraulic motor.

# PALAX COMBI M II TECHNICAL DATA

<i>Feature X =Standard L= Optional</i>	<b>TR POWERED BY TRACTOR</b>	<b>TR/ SM 7,5 kW/16A TR/ POWERED BY ELECTRICITY</b>	<b>BMG MOBIL HONDA PETROL</b>
<b>HYDRAULICS</b>			
Proprietary hydraulic system, oil VGA 32, 40 l	L	L	L
Splitting cylinder, 3,5 tons	X	X	X
Splitting cylinder, 5,6 tons	L	L	L
Flow of hydraulic pump	42 l/ min	42 l/ min	42 l/ min
Articulated shaft at 450 r.p.m. or electric motor			
Automatic high-speed valve	L	L	L
<b>TRANSMISSION</b>			
Automatic tightening of the V-belts, angular gear	X	X	X
Disengagement clutch of transmission, tractor-model	X	X	-
Articulated shaft, e.g. Bondioli 143	L	L	-
<b>OUTPUT</b>			
Speed standard/high-speed with 3,5 t	3/ 2 sec.	3/ 2 sec.	3/ 2 sec.
Speed standard/high-speed with 5,6 t	4,5/ 3 sec.	4,5/ 3 sec.	4,5/ 3 sec.
Cutting length of the tree	25 - 60 cm	25 - 60 cm	25 - 60 cm
Max. diameter of the tree	25 cm	25 cm	25 cm
Hard-metal blade 700 mm	X	X	X
<b>TECHNOLOGY</b>			
Splitting wedge 2/4	X	X	X
Splitting wedge 2/6	L	L	L
Manual height adjustment of splitting wedge	X	X	X
Hydraulic height adjustment of splitting wedge	L	L	L
Quick-release of splitting wedge	X	X	X
Automatic log-stop	X	X	X
Automatic tipping deck	X	X	X
Safety rollers on in-feed deck	X	X	X
Multi-phase debris removal	X	X	X
Control levers with ball bearings	X	X	X
<b>DISCHARGE CONVEYOR</b>			
Hydr. Palax scraper conveyor of 4,3 m with 2 chains	X	X	X
Lifting winch for conveyor	X	X	X
Foldable and swinging conveyor	X	X	X
Automatic tightening of the conveyor chains	X	X	X
<b>DIMENSIONS AND WEIGHT</b>			
Length, incl. conveyor 4,3 m	1370	1370	3800
Width, incl. 4,3 m conveyor	2830	2830	2050
Height, incl. 4,3 m conveyor	2320	2320	2600
Weight with conveyor	660 kg	720 kg	710 kg
Mobil B, transport platform with brakes		950 kg, Mobil B transport platform with brakes	940 kg, Mobil B transport platform with brakes
CE and GS approvals	X	X	X

# Log-decks, high-output cleaners and bag-packing equipment



## Robust Palax Mega log-deck for big trees

Equipped with a step feeder and a hydraulic in-feed deck with chain-drive. The deck is equipped with four 4-meter long chain beams. The chains may be driven both forward and reverse. Capacity about 10...12 cubic metres. As optional tipping extra beams 3 m.



## Light log-deck Palax Log

Light Palax Log log-decks for Combi M, KS 35 and Power 70 machines. The stand can also be equipped with a hydraulic feed roller which makes handling of long logs easier. Capacity about 4...6 cubic metres.



Palax Motti bag-packing stands are very handy for storing and retail sales. In bags the firewood dries out quickly. Storing of the bags is also easy as 2 bags can be stacked one on top of the other on a level surface. The bags make also good retail packages. The bags are made of UV-protected polypropylene so they endure the UV-radiation from the sun. The bags may be reused several times and they can be disposed of by burning.



## Palax Cleaner

High-output cleaner Palax Cleaner with efficient rotary debris removal cylinder. The cylinder can also be equipped with an extension conveyor for, for example, easy filling of bags. Powered by electric motor.

## Filling firewood bags is easy with Palax Packer and Motti bag-packing equipment



Put the firewood in the box, pull over the bag, turn around and bind. Place the bags onto the pallet. A EURO-pallet, = (0,8 m x 1,2 m) may take. 25 pcs of 35 l bags = about 0,88 stacked cubic metres of firewood. A FIN-pallet, (1 m x 1,2 m) takes 30 bags = about 1,05 stacked cubic metres.



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