

# NEW FROM LOGOSOL: A COMPLETE WOOD DRYING KILN!

Never before has it been so easy to get perfectly dried timber

 **LOGOSOL**

**For joinery you need dry wood.** Mouldings, furniture, floors and windows are examples of when the dryness of the wood is particularly important. Preferably, the wood should have a moisture content down to, or even below, 10% and have no cracks. This can be hard to achieve by traditional air drying. With your own drying kiln, you produce perfectly dried, valuable joinery timber in a few weeks.

## More efficiency and control with the WDU Wood Drying Unit

The upgraded Sauno drying unit of 2 kW has a significantly more powerful fan action for air circulation in your drying chamber. The new unit also has an integrated air intake that draws air into the dryer by means of the underpressure formed in the air stream. The dry and cold outside air is mixed with the heated, moist air in the Sauno drying unit before reaching the wood in the chamber. This means that you will have a more uniform and controlled drying result. Together with the top valve of the drying chamber, with its graduated opening positions, you control how quickly the steam is let out.



**LOGOSOL WDU Wood Drying Unit**  
SKU: 6200-000-0000

## Drying Chamber – dry your wood quickly and easily

Logosol's drying chamber is a smart solution with a soft, insulated cover that is supported by an internal, rigid aluminium structure. The drying chamber retains the hot and moist air during the initial drying phase. If the drying chamber is installed outdoors, which we recommend, you use a two-layer solution, with a protective outer tent. The drying chamber together with the drying unit only weighs about 50 kg, so two people can easily move it.



**LOGOSOL WDU Wood Drying Unit  
incl. Drying Chamber**  
SKU: 6200-555-0000



## A wide interest

It is clear that there is a wide interest in the drying chamber with the updated Sauno drying unit. Setting up is very easy. Never before has there been a complete solution, where you can be up and running with drying your joinery timber within an hour after you started assembling the equipment.

Currently, the drying chamber comes in one size. We have made it considerably larger than its predecessor. The internal length is almost 3 m, and the width 70 cm. The height is 1.1 m at the lowest point of the roof, but it slopes upwards to a height of 1.4 m at the opening, to facilitate loading in the timber.

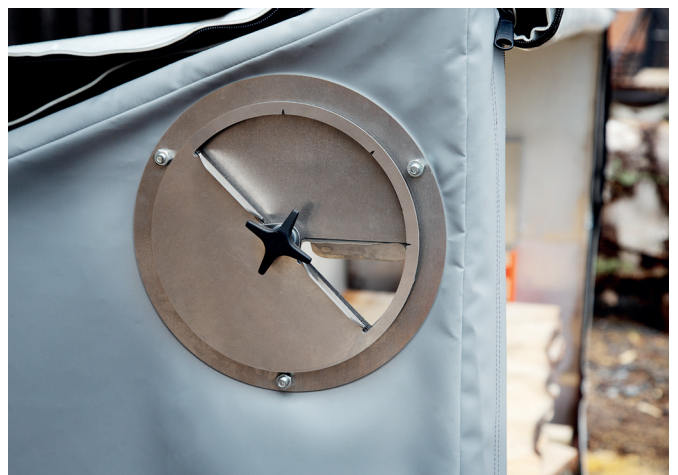
"It comes with aluminium feet, which are used for lifting the timber stack from the floor to allow the air to circulate freely. Loading in timber is easy, since the entire front side can be opened. Spacers, e.g. strips of wood, are placed centred above each other between the layers of boards. They should be dry and of the same thickness as the wood that is to be dried, to create enough space for circulation. Also, leave some lateral space between the boards, and between the stack and the walls of the chamber," says Mattias Byström, Vice President at LOGOSOL.

The complete drying installation is ordered as a package, with or without the outer tent, in which everything you need is included. When you have assembled the drying installation, you just plug the power cord into a standard 220V power outlet. Never before has it been so easy to get perfectly dried timber of all sorts of wood and dimensions.



### Advantages of the WDU drying unit:

- ✓ Powerful fan action for effective circulation in your drying chamber.
- ✓ Integrated air intake.
- ✓ Uniform & controlled drying result.
- ✓ Perfect together with the Logosol Drying Chamber that has a top valve for controlling how quickly the steam is let out.





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### We recommend the Logosol drying chamber if you:

- ✓ Want to avoid that your finished products crack or warp.
- ✓ Have the opportunity to get hold of unusual wood types that you want to use for woodworking.
- ✓ Are going to make doors, furniture or windows.

### Advantages of the drying chamber:

- ✓ Loading in is easy thanks to the big opening.
- ✓ Uniform and controlled drying result.
- ✓ Perfectly dried, valuable joinery timber in a few weeks. Within a week you will have dried pine timber ready for planing and moulding.
- ✓ Energy-efficient drying with a perfect result. You get less cracks and warping compared to air-dried timber.
- ✓ The drying chamber together with the drying unit only weighs about 50 kg; it can easily be moved by two people.

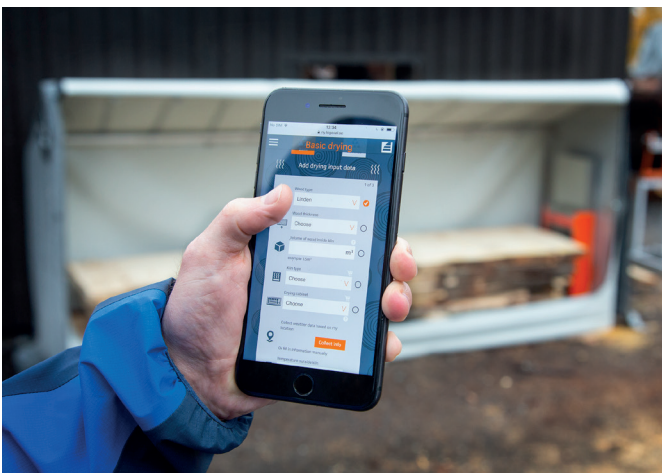


### UNDER DEVELOPMENT

## LOGOSOL APP FOR DRYING

In 2020, Logosol will launch an app for wood drying. By entering some values, such as sort of wood, thickness, volume and outside temperature e.g., you get instructions on how to set the dryer and a forecast for when the wood will have dried to the desired percentage.

The app is an interactive system, which allows everyone who uses the drying chamber to enter their actual values. The constants of the mathematical calculations are thus continuously updated, making the drying instructions and forecasts relatively accurate. The app is easy to use and makes you a drying expert right away.







### Recommended moisture content for timber:

Furniture-dry	6-10 %
Room-dry, joinery-dry	10-15 %
Gluing-dry	14 %
Planing-dry	15-19 %
Air-dry (shipping-dry)	15-23 %

## Drying adapted to your needs

For some building projects, e.g. fences, piers, cladding or simple buildings, it is perfectly possible to use newly sawn timber. For other projects, the wood must be dried before it can be used. When the moisture content of the wood has dropped to a maximum of 20 %, the timber is, what is called, air-dry and ready to be used for construction. Other names for wood with a moisture content of 20 % is planning-dry or shipping dry. Traditionally, the timber has been made shipping-dried by outdoor air drying. Today, almost all timber in the wood industry is dried in drying kilns but air-drying in timber stacks is still the most common method of wood drying in small-scale wood processing.

When wood is used for indoor joinery, flooring or furniture, the moisture content must be lowered down to 10 % or less. This can be done by storing the wood indoors in a heated room for a long time, but preferably by drying it in a drying kiln, to reduce the risk of the timber cracking or warping. Over the years, Logosol has gained a lot of experience by selling the Sauno drying unit. Now, we launch a developed model of this drying unit, and we think it will be very useful to many joiners and carpenters who have high demands and some patience to wait for the timber to dry.



When the wood is dried to a moisture content of 8-10%, you can use it for cabinetmaking and other woodworking.

## TEST - DO YOU NEED A WOOD DRYER?

### Woodworkers and joiners

- ✓ Do you need furniture-dry wood?
- ✓ Do you want to prevent your woodworking from cracking or warping after it is finished?
- ✓ Do you have the opportunity to get hold of unusual sorts of wood that you want to use when doing woodworking?

### Small-scale sawyers

- ✓ Do your customers ask for timber with a moisture content of under 18%?
- ✓ Do you want shorter delivery times?
- ✓ Should the wood have a more uniform moisture content?
- ✓ Do you want tension- and crack-free wood?

## MEASURING THE MOISTURE CONTENT

The amount of moisture in a material can be described by its moisture content. The moisture content is the ratio of the weight of water in a material in relation to the weight of dry material. The moisture content can be determined by weighing a piece of board, then drying it completely and weighing it again.

### Moisture meter

Logosol sells a common type of moisture meter that measures the electrical resistance between two metal pins pressed into the wood. This type of meter gives a direct reading. The measurement is not exactly accurate but gives a good indication. The moisture meter can also be used on cement and plaster.



**Moisture meter, Stihl**  
SKU: 0464-802-0010



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