



## Wood Workers Mill - a perfect tool for making furniture

David Legg from Invergarry in Scotland is really pleased with his Wood Workers Mill from Logosol. His wood of choice is Oak – which is mostly quarter sawn because he wants to get the best graining. See pictures of his beautiful work in Fresh Cut!

Page 3



## From Log to Harp With the Logosol Big Mill

Harp builder Dave Kortier bought a chain saw and Logosol Big Mill to his shop in Minnesota. "This mill is the perfect tool", he claims.

Last Page



## NEW! Outdoor Hot Tub Kit

Page 2

## Sawing in the circus tent

Per Simon Edström has the perfect saw house for his Logosol Sawmill: an old circus tent, which also has room for the sawn lumber.

Page 4-5



## Building a new sheriff's office with the Logosol PH260

Steve Whittle and a group of volunteer prison inmates built a new sheriff's office in Leake county, Mississippi. Trim, shelving, cabinets — even the sheriff's desk were produced on-site with the Logosol PH260.

Page 6-7



# Dear Woodworkers and Friends of Logosol,

Small scale timber processing is not so easy to do well. Good equipment is only one half of the equation – know-how is the other..

Trial and error is a most time wasting and expensive way to learn, but as I have found in my own sawmilling business, there is often no alternative as relevant information and training is simply not available.

At Logosol we are very aware that as a group, including dealers and customers worldwide, we collectively form a huge reservoir of knowledge and experience.

Our plans for the future will include ways to harness that experience to give our customers improved resources to gain the information they need to process timber effectively.

Watch out for e-learning!

**William Dobie,  
Logosol UK**



## FRESH CUT!

**Editor:** Sara Boström

**Translations:** Anna Olsgren Byström

**Special thanks to** all Logosol friends who help us make Fresh Cut better!

**Fresh Cut** is printed in 7000 copies and comes out twice a year.

**For ads** contact Sara Boström, email: sara@logosol.se

# LOGOSOL

The Sawmill  
Abbey St Bathans  
Duns  
Berwickshire  
TD11 3TX

**Telephone:** 01361 840 251  
**Fax anytime:** 01361 840 389

**Internet:** www.logosol.co.uk  
**Email:** enquiries@logosol.co.uk



*Jan-Erik Lundkvist.*

## Outdoor Hot Tub Kit

Outdoor Hot Tub Kit - for you who have a Logosol PH260, DH410, MH410 or a MF30.

We make it easy for you by providing you with good instructions and all components needed except for the timber and the wood screws. It is both easy and fun to build, and the result is really impressive. The hot tub looks nice in its simplest design, but if you like, you can spend a lot of time on decorations, wooden deck and other conveniences around your new treasure. \*

### The kit includes:

- 1 book of instructions
- 1 Stove of aluminium
- 1 grating of stainless steel
- 1 baffle plate of stainless steel
- 1 cover with wooden handle
- 2 galvanized chimney flues
- 1 galvanized chimney top
- 1 outlet of stainless steel
- 2 pipe connection of rubber
- 1 plastic pipe with bend
- 1 straight plastic pipe (overflow outlet)
- 1 hose clamp
- 2 hoops of aluzink, L:6.7 m
- 4 bolted joints of lacquered steel
- 4 screw plates for the bolted joints
- 4 M12 threaded bars
- 8 M12 nuts with washers
- 16 M8 flathead screws with washers & nuts
- 10 fleur-de-lis of lacquered steel
- 6 bench brackets of galvanized steel





# From Log to Bed with the Wood Workers Mill

David Legg from Invergarry in Scotland bought his Wood Workers Mill and Timberknekt in January 2007 and has been making marvellous use of them ever since.

His wood of choice is Oak – which is mostly quarter sawn because he wants to get the best graining, but he has recently planked up an old Elm tree for his brother near Lockerbie and Sycamore has been known to put in an appearance.

David spends a lot of time making sets of dining chairs and most of his work is designed to compliment 16th and 17th century styles – obviously well favoured by his customers.

The project David is currently undertaking is a Tudor style full tester four-poster bed – he states this will be a long job.

You can see some of the process from the photographs. David had to glue and assemble the headboard on a bedroom floor – not enough space in his workshop

– the headboard measures 7ft by 6ft6in so it is large and heavy. The posts are a clever construction with the lower supports being hollow to save weight and simple four sided panels, the upper supports were turned on the lathe. The cup and cover supports were also turned on the lathe and the gadrooning done by hand.

He has still to construct the curtain rail and frame joining the posts to the headboard followed by the panels forming the top of the bed.

Of his Wood Workers Mill David says that he is really pleased with it and delighted that it is so simple to use.

We wish him well with this magnificent undertaking and look forward to seeing the end result in a future Fresh Cut. \*



*This bed was a long job for David Legg and his Wood Workers Mill.*



*Headboard being glued and clamped on the bedroom floor.*



*David Leggs Nephew using Timber winch to raise Oak Butt enough to roll it onto the trailer.*



*David Legg is really pleased with his Wood Workers Mill from Logosol. He is delighted that it is so simple to use.*

## Award Winning Log Turner

When working with the Logosol Sawmill, you spend about half the time rolling timber to the sawmill and taking care of the sawn timber. Consequently, we saw an opportunity to considerably increase the daily output with an improved equipment for handling logs.

Whenever you are going to roll or turn a log, no matter if it is on the Logosol Sawmill, in

the forest or on the timber stack, this tool will really do itself justice.

Comparing ordinary cant hooks with the log turner is the same as comparing the adjustable spanner with a reversible ratchet. You keep the log in a firm grip through the whole process, which makes it impossible for the log to roll back when you take a new grip. Furthermore, you can turn the log a little bit at a time and work with your knees, which spares your back and makes you incredibly strong. \*



*Logosol's patent solution makes log handling easier.*



# He found the perfect sawing house - in

It is never too late to realize your dreams. Ask Per Simon Edström, 78 years old and busy creating the perfect acoustics with the help of 200 spruces and one Logosol Sawmill.

Per Simon Edström has devoted his life to realizing his theatre dreams. He has done the most: Written plays and books, directed, acted, worked with lighting and as a theatre architect.

He is mostly known for being the driving force behind the theatre boat Arena, a government-funded region theatre, which berthed at 60 places in the Stockholm and Lake Mälaren archipelagos. This adventure ended in 1985.

"The politicians thought we were too left-winged, so they closed us down," Per Simon says.

## Cognac in the sauna

But instead of retiring, he took the opportunity to realize his own ideas, everything from an experimental theatre at home on his farm, to a wood-heated sauna built of a gigantic cognac barrel.

"The first time we used the sauna there was a delightful scent in it. Later on, the scent disappeared and you needed a bottle of cognac each time to recreate the atmosphere. It became too expensive to use the sauna, Per Simon says jokingly.

His great passion is the theatre on his farm. He compares it to an instrument, which you have to give

the correct acoustics, and there also has to be a closeness between the audience and the actors. In order to exploring the possibilities, he built his own theatre called Modellen (the model) with room for an audience of 80 people.

Here he has produced plays in all kinds of theatre forms, and the experiments have proven what Per always has maintained.

"The classical arena theatre is superior," he says.

The arena is like a circus with the audience around the entire ring. A circus tent lacks the acoustics, and the arenas of today, like the Globe Arena in Stockholm, lack the closeness to the audience. The best would be an arena of wood, like the Drottningholm Theatre.

"The walls will speak if they are built of two inch thick spruce boards," Per Simon says.

He designed an arena theatre for Ramallah, the Palestinians' temporary capital on the West Bank. It was never built, but everything needed for realizing the dream was closer at hand, at home on Värmdö.

"50 years ago, my father planted spruces in an enclosed pasture-



*"Everything depends on how you sharpen the chain," Per Simon Edström says.*



land. To be honest, I did not like that the pastureland disappeared," says Per Simon, who after a couple of years changed his opinion. "Instead of thinning, we sold Christmas trees. People came here by car with newly-bought roof racks and axes. They cut down their Christmas trees themselves and paid 25 Swedish kronor each."

## Sawing in a circus tent

As time went by, the spruces grew tall. Per Simon saw the opportunity to restore the old pastureland and get himself building material for the perfect arena theatre. He bought an extended and completely equipped Logosol Sawmill, which was placed in a circus tent.

"You can't find a better sawing house. The sawmill and the lumber are protected from wind and weather."

The theatre manager had no difficulty in learning how to handle the sawmill.

When he was young, he worked as a timber estimator in the forest, and he trained two persons who

used the first chainsaws. Nowadays, he also has help when sawing, but he himself takes care of the most important job: sharpening the chains.

"A sharp chain means everything, especially when you are cutting into a spruce with hard knots in it," Per Simon states.

## Officially a barn

Actually, it is not a theatre he is building. The 24 metre (79 ft) long building will primarily be a hay barn for the ewes and lambs on the farm. Today the bales of hay are stored in two old circus wagons.

"But when the barn is empty in the summer, there is nothing stopping you from having a theatre here, so you might as well build it right in the first place," Per Simon says.

The 'theatre barn' will also serve as an exhibition room for a travelling waxworks show from the 19th century. It has been exhibited in the Museum of National Antiquities, but today it is stored up. \*



# an old circus tent!



” You can’t find a better sawing house.  
The sawmill and the lumber are  
protected from wind and weather.”

Per Simon Edström



*Per Simon Edström has the perfect saw house for his Logosol Sawmill: an old circus tent, which also has room for the sawn lumber.*





*Leake county, Mississippi sheriff Greg Waggoner has what may be one of the most elegant offices of any sheriff in the country. The desk, cabinets, shelving and trim were all cut on the PH260 planer/molder and installed by volunteer inmates at the regional prison next to his office.*

## Sheriff's Office with a solid desk of oak

Walking into the office, I were struck by the elegance of the wide crown molding, wood paneling, and beautifully built book cases. A hand crafted solid oak desk dominated one side of the room. With a cowskin rug on the floor and Remington prints on the wall, the office was one that any Texas lawyer would be proud to work in. But this is the office of Leake county, Mississippi sheriff Greg Waggoner. And in spite of its elegant appearance, the office was built and furnished on a very limited budget.

**By David Boyt**



*Sheriff Greg Waggoner (left) and project supervisor Steve Whittle (right) take a break while they discuss the furnishings of the office building.*

Sheriff Waggoner has the sort of no-nonsense personality that commands respect from first eye contact. He extended to us the gracious hospitality for which the south is well known, kindly taking time from his morning schedule (which included a meeting with the Governor) to visit with us about the role the Logosol PH260 played in furnishing his office, as well as the rest of the building.

When the new sheriff's office was proposed two years ago, there were the usual questions of how to keep expenses to a minimum.

### **Volunteer prison labor**

The one thing not in short supply was labor. Other than the concrete, brick work, and sheet rock finishing, the entire office building—including the electrical, plumbing and heating & air conditioning—

was built with volunteer prison labor. The inmates are generally glad to get out for a while, says Sheriff Waggoner. "The only problem was finding the ones who wanted to work."

"We wanted the office to look nice, but we knew we couldn't go out and buy all of the materials. For example, the cost of the trim and cabinets would have been about \$37,000. So we decided to

buy a four-head planer molder." Steve Whittle, who supervised the project, recalls "We had the inmate labor and access to oak, so we decided we could save a lot of money if we bought a planer/molder. I got on the internet and searched for machines. I found a company called Logosol located in Madison [Mississippi], so I went up to look at it. They gave a demonstration, and we bought





*Steve Whittle supervised the inmates who volunteered to cut and install the trim in the sheriff's office. According to Steve, the PH260 was easy to learn to use, and was a central part of teaching the inmates skills that they could use when they left prison.*



*This book case and media center show off the quality of the trim and the attention to detail that Steve and his crew put into the office.*



*The woodwork at the Leake county sheriff's office is as functional as it is elegant.*

one." Over the next eight months, Steve and his group of volunteers produced and installed trim and moldings for the office.

#### **Covered the old desk with oak**

Not satisfied to stop with that, they built the cabinets, book shelves, tables, shelving to hold evidence, and even a built-in wash basin for the Sheriff's office.

The desk in the office was

absolutely beautiful.

"They took an old surplus desk, and covered it with oak," the Sheriff explained. "This [workmanship quality] was a lot more than what I expected. You could call Steve a perfectionist. The crown molding in my office looked fine to me, but the next morning, Steve had taken it all down and was having the inmates re-install it." "It wasn't sitting against the sheet rock just

right," recalled Steve.

This attention to detail paid off in more ways than one. "We had a lot of good inmate labor," says Steve. "By the time we were finished, they had a lot of pride in their work."

He continued, "A lot of these are good guys that just didn't get raised to stay out of trouble. They get out here and get some good

supervision. I've gotten calls from several after they got out to tell me that they've gotten jobs installing trim."

It is obvious that Steve takes pride in more than just the woodwork. With the job finished, the machine is idle, for now. Soon, they hope to use some of the inmates to teach others how to run it, and continue to use it to teach a useful trade. \*





*Harp builder Dave Kortier bought a chain saw and Logosol Big Mill to his shop in Minnesota. "This mill is the perfect tool", he claims. "I can get everything lined up before the cut" His harps have been sold around the world. "The internet has made the market a global business."*

## The *Harp*maker Found the Perfect Tone in the Logosol Big Mill

Building musical instruments requires extreme skill and precision. So what place does a chain saw and the Logosol Big Mill have in an instrument builder's shop? Dave Kortier of Duluth, Minnesota has the answer. "I have always been involved in music", Dave explained. While his instrument of choice is a bassoon, he has repaired all types of instruments, and now specializes in building authentic reproductions of antique Irish harps. Recently he added a new tool to his shop—a chain saw and Logosol Big Mill.

It started in 1991 when he met a local harp teacher, who complained that it was extremely difficult for her students to find suitable instruments at a price they could afford. Not one to turn down a new challenge, he used her harp as a pattern to build one, and immediately sold it to one of her students.

Dave now builds harps full time, in a variety of sizes and styles. "I build about thirty instruments per year," he says. Most of these are for students. Accurate reproductions of authentic Irish harps take much longer to build, and are more expensive.

The sounding boxes of the antique Irish harps were built from a hollowed-out block of maple or willow measuring roughly 5" thick, 18" wide and 48" long. "I just couldn't get blanks commercially," he recalled. The solution appeared in front of his house when he watched a truck

from a tree trimming service haul off two huge silver maple logs. "I just stepped out the door and there they were on a truck. One was about 42" diameter by 8' long, and the other was 36" diameter." Convincing the driver to leave the logs in his yard instead of hauling them to the landfill was easy. Now Dave was faced with the challenge of cutting soundbox blanks out of them...

**See more pictures and read the story:**  
[www.logosol.co.uk](http://www.logosol.co.uk)  
**under Success Stories**



### LOGOSOL e-newsletter!

Subscribe now and receive offers, monthly news, articles, tips and more!

[www.logosol.co.uk](http://www.logosol.co.uk)



**Logosol UK**  
The Sawmill  
Abbey St. Bathans  
Duns  
Berwickshire  
TD11 3TX

**Tel:** 01361 840251  
**Fax:** 01361 840 389  
**Email:** [enquiries@logosol.co.uk](mailto:enquiries@logosol.co.uk)

[www.logosol.co.uk](http://www.logosol.co.uk)