



LOGOSOL

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New! The improved
PH260, Page 4

FRESH CUT!

News for Woodworkers No. 2 - November 2005



Jerry Peacock, Chip Kimball and R.J Meyers are members of the Moulding Network.

A network of experience

Logosol are building a network of planer owners to exchange technical and marketing information. Meet our owners and learn about what profiles they produce and sell!



Page 6-7

A chapter from our Best-Seller!

This book takes you through all the steps of acquiring logs and milling them into lumber. Learn how to dry a whole log!

Page 10



PH260 did the job!

Thanks to the Logosol PH260 Urban Åkerfeldt and his brother were able to build up the market and make new investments.

Page 5



Sawmill owner came to rescue with a extra-long M7

Poul Nielsen (inset) with an extraordinary sawmill! Three and a half M7s were the only way that the 17-metre long, ruler straight beams could be cut out for use in rebuilding the church tower.

In Vadensjö, just outside Landskrona in Sweden, hurricane Gudrun obliterated the church tower. Already under renovation, it was known that the timbers of the wooden frame were worm eaten and rotten. How were the parish authorities now to find replacement beams? These had to be 17 metres long and suitable for rebuilding the tower using traditional methods. Timber that

was sufficiently long and straight could be got from Dalsland.

Three hundred years ago, pines had been planted there to provide masts for ships. However, cutting the timber would require an extraordinary sawmill. Poul Nielsen came to the rescue with 3.5 Logosol M7 sawmills.

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Belives in Logosol Portable Sawmills!

Logosol's portable sawmill plays an important role when clearing up after the storm in Sweden.

"Logosol's portable sawmill is perfect for selective operations in storm damaged forest," Professor Rolf Björheden declares.

Page 3



30 days money back! If you're not satisfied with your sawmill, you get every penny back!

Unique Warranty! 3 year warranty on the Husqvarna 385Xp Chainsaw

Shipping not included. Prices good through January 1st, 2006

Hello friends of Logosol Inc!

We hope you will enjoy this new issue of Fresh Cut. We would love to hear your comments, or perhaps you have ideas for future stories and articles. Since our last issue in April, the New Molders network has really taken off. It has shown us there is so much more we can do to collect and disperse knowledge.

You will see in the next issue the first of many new stories specifically for the rising new industry of costume molders. We will also highlights knives and what you need to know on which steel to use on your wood. And a lot more about your cutting steel that will really give you full knowledge!

In the future, Fresh Cut will look at the many exciting things that can take place when changing a standard saw milling



operation into a not so standard custom molding and saw milling business.

By the way, we always need more owners, so if you would like to join the network give me a call.

After our last issue of Fresh Cut, I got so excited about Jim Birkemeier's article on the concept of forest to finished flooring, that I've started on my own quest to make some custom flooring from the many species of my own urban forest right here in Santa Barbara. It's awesome!

I'll tell you more on that in the next issue.

Thank You!

Rob Bjorklund
President Logosol Inc
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Complete Satisfaction



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We only want satisfied customers. Therefore, we offer a 30-days 100% iron-clad money back guarantee. Send back the sawmill and you get every penny back - even shipping!

Unique Warranty!!!



Logosol Husqvarna 3 Year Warranty

On the Chainsaw Husqvarna 385Xp we now have a unique 3 year commercial warranty. This warranty is even for professional use with our sawmills - you pay some extra and get a unique warranty for 3 years!



Logosol 2 Year Sawmill Warranty

We want to keep you cutting Lumber! Logosol will replace any part of the sawmill found to be defective within two year of purchase. Logosol stands behind this equipment 100%!

Logosol 2 Year Planer Warranty

All our planers have 2 year warranty for replacement of parts other than normal wear and tear.



See our revolutionary planers in action at www.logosol.com!

The Logosol PH260 Four side Planer/Moulder

Best-Sellers in the Logosol web shop 2005

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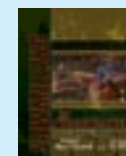
The Logosol Timberjig turns your saw into a portable sawmill! This lightweight, unique mill is made to be cost-effective, easy, and fun to use.



\$165.00

2. Sawmilling for Woodworker's

Over 200 books sold on the web! A real best-seller that takes you through all the steps of acquiring logs and milling them into lumber.



e-book: \$9.95
printed: \$24.95

3. Logosol M7 Sawmill

With this Sawmill you can saw a tree on site at a woodland plot and choose an optimum size for your boards.



\$2395.00

4. Logosol Log Spinner

This unique double cant hook is the perfect tool for turning logs safely on your sawmill.



\$109.95

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forum, manuals, webshop

New location for Logosol Inc

In May Logosol, Inc. moved their office and warehouse to a new location.

The building is still in Madison, Mississippi. The phone number and mailing address remain the same. The physical address changed from 108 Solleftea Drive to 116 Solleftea Drive.



“Logosol’s portable sawmill has been, and still is, of great use after the storm”

Professor Thomas Thörnqvist



“Logosol’s portable sawmill is perfect for selective operations in storm damaged forest,” Professor Rolf Björnheden declares.



Swedish forest owners found their forests completely destroyed by the storm. For many of them the Logosol sawmill was the salvation.

Storm-Stricken Swedes Made Good Money from Logosol’s Portable Sawmill

A natural disaster, such as a storm or a hurricane, is of course always a tragedy to those who are stricken by it. Sometimes, however, you can turn the misfortune and try to make the best of the situation.

The storm Gudrun hit the Swedish coast at the beginning of January, 2005. It felled over 2 billion cubic feet of timber. Thanks to Logosol’s Portable Sawmill, clearing up the debris has gone faster than expected.

“When dealing with smaller areas of forest, portable sawmills have been a great help,” says Rolf Björnheden, Professor of Forest and Wood Engineering at Växjö University, which is situated in the center of the most affected area.

The damage done by the storm differs considerably from area to area. In some places every tree was felled, yet in other places the effects of the hurricane were less severe but more evenly distributed.

Different types of damage have required different types of solutions. In the most affected areas there have been no alternatives to large-scale mechanical clearing of timber felled by the storm. There have been too large quantities and it has been too dangerous to do the work manually.

“The clearing has gone better than we hoped for. Our method of work proved to have more capacity than anticipated. Today, two thirds of trees felled have been transported to stores and industries,” Professor Björnheden says.

Selective Operations

But now the working pace is beginning to slacken. The large-scale methods are not by far as effective when it comes to taking care of single trees. The method that has proven to be most effective on less affected private properties is when the forest owner himself fells and processes the timber with a portable sawmill. Professor Björnheden says: “With

the help of the sawmills the forest owners have been able to perform selective operations at a low cost. Some have even sawn the timber right in the forest, which have meant a reduction of transports and of the need for large storage areas.”

With the help of the sawmill, forest owners were able to save high quality timber, which would otherwise have been left in the forest. It has been of great value, both economically and environmentally. After the storm the timber prices were halved, and forest owners who also own a sawmill have made a profit from refining the timber themselves, especially if they have needed the processed timber for personal use.

High Profits

The timber prices in the retail trade of building materials were not affected by the storm. Due to this, it has been more profitable for forest owners that have a sawmill in their possession to sell processed timber direct to the consumer, than it would have been if they had sold the storm felled timber unprocessed.

In the affected area there are thousands of Logosol Sawmills. After the storm the saw-

mills have not only brought in money to their owners, but they have also made a contribution to the environment. By sawing trees that would have been impossible to take care of mechanically, the amount of dead forest has decreased and thereby also diminished the risks of insect attacks.

In Sweden, the use of Logosol’s Portable Sawmills is widely spread, and one of the owners is a colleague of Rolf Björnheden’s. His name is Thomas Thörnqvist, Professor of Forest Products, who also uses the sawmill in his research and teaching. He has even demonstrated his sawmill to the Swedish King Karl XVI Gustav, dressed in his academic attire.

Multiply the Capacity

“Logosol’s portable sawmill plays an important role when clearing up after the storm,” says Professor Thörnqvist.

A more important aspect is the psychological support the sawmill has been for many private forest owners. They can do something to save some forest, instead of walking around on the property, waiting for the forest machines to come.

As a researcher in timber, Professor Thörnqvist has practical advice on how to increase the capacity of the Logosol sawmill. Make a beam of the log, but do not split it. Make a narrow saw-cut into the medulla. This opening prevents the wood from cracking when drying. In the future you can split the beam and produce high quality boards. With this technique and a Logosol sawmill, you can save 3-4 times more trees.

LOGOSOL PH260

3-phase
\$ 9675⁰⁰



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Provides 4 knife capacity to the side heads. Also stackable.

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Quality, smooth interior hose for least resistance to chips passing through the tube.





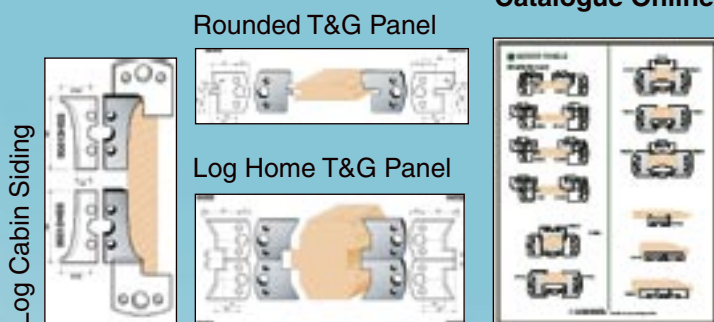
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Moulder Knife
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In/Out Feeding Tables (PH260)

\$ 269⁰⁰



Realize new projects with our planers!

Logosol introduce planers for professionals in wood! Our revolutionary planers bring out the panels from the boards.

New look for the PH260

From May 2005, the PH260 comes in a more robust construction and with some small improvements, but it is still the same best selling four head planer. Our revolutionary planers bring out the panels from the boards.

Refining the wood increases the value of the timber fourfold and gives you the opportunity both to sell finished strips, trims, panels, skirting boards and to realize new projects.



Demand is so great that Urban Åkerfeldt is investing in a planing machine that is one step up from the Logosol PH260. The total investment will be around \$250 000.

One step beyond the PH260 - \$250 000

Urban Åkerfeldt has grown out of his Logosol PH260 planer/moulder. He needs something faster. But how much does it cost to move one step up? "Around \$250 000," he replies.

Along with brother Örjan, Urban runs the family farm in Forneby, north of Sala in Sweden. Five years ago they were raising pigs here. Then the brothers bought a saw bench to saw trees uprooted by the wind.

The idea was to use some timber themselves and sell the rest. They soon noted that there was limited demand for rough-sawn timber. Customers wanted planed timber. The answer? A Logosol PH260 and a band resaw.

"The planer didn't cost more than we dared risk," comments Urban.

The risk paid off. As early as year one, the demand for timber doubled.

The range now on offer covers everything from cut nails to kitchen fittings. Although today's customers like being able to buy everything from a single-stop shop, it is still mouldings, boards and panels that are the main attractions.

Tip for outdoor boards and panels

The Logosol planer does a magnificent job. Urban has discovered just one disadvantage. This is in the planing of profiled boards and panels for outdoor use. Urban explains:

"To provide a key for the paint, the outer face of each outdoor board and panel has to be unplanned. Thus, you mustn't use a planing knife on

tongues, grooves and profiles. The upper cutter dimensions the timber and the profiling knife has to be fitted in the lower cutter. The solution is simple. In the machine table, you cut out a hole for the profiling knife. Then it's just a question of running timber through the machine to produce profiles with unplanned surfaces."

This, in Urban's case, means several kilometres of so-called Mälars panel and an old type of tongue and groove boards. On one side, the latter are rebated and beaded along the exterior of the groove. Urban's planer modification does not affect any other type of planing.

Demand has now become so great that the planer can no longer keep up with it. That is why Urban has investigated the alternatives. He decided on a seven-spindle, CNC machine that will give a fivefold increase in productivity, i.e. 60 metres a minute instead of 12.

Requires expensive automation

The machine itself weighs six tons and costs around fifteen times more than the Logosol PH260. However, the major cost is new machine premises (10 x 32 metres) and peripheral equipment for handling the timber.

For short series and special jobs, the Åkerfeldts are keeping the PH260.

"Without it, we wouldn't have dared to invest. Thanks to the Logosol, we were able to build up the market and make this new investment," comments Urban.

EXPERIENCE • MARKETING •

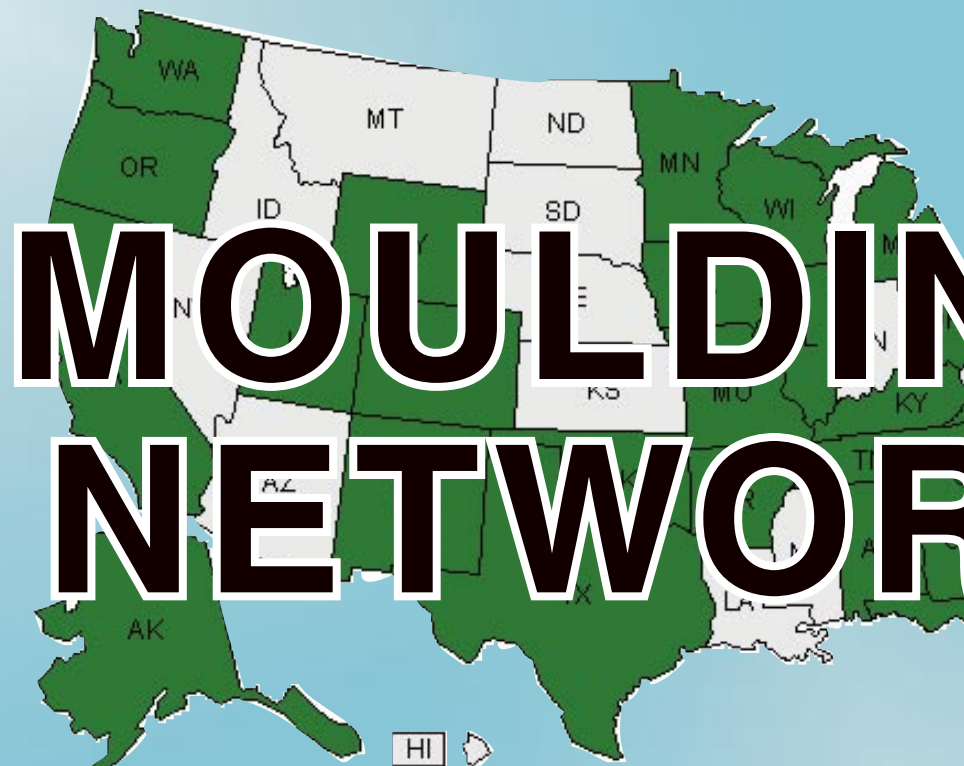
Visit our web site www.logosol.com and meet the members of the Moulding Network. They are all owners of a Logosol PH260.

Logosol are building a network of planer owners to exchange technical and marketing information.

The Moulding Network sharing experience will give us material for the book on commercial custom moulding. You'll see the book grow on our web site!



"With the PH260 set up time is a breeze"



Logosol custom wood moulding network!

Meet some of the members!



* Michael Hurley

What products are you producing using your PH260

T & G panel, car decking, moulding, straight planed lumber

What types of wood do you work with?

Mostly Western Red Cedar, Douglas Fir, Hemlock, Alder, and Maple

Is there any advice you would like to give someone thinking of purchasing a PH-260?

Just buy it!



* Daniel Richardson

What types of wood do you work with?

Oak, Pine, cedar, tulip, walnut, maple, ash

Is there anything else that you have learned that you would like to share?

We bought the PH260 because it takes so little time to change from one job to another. When we were using our old big 4 sider we had to turn down small jobs, because set up time was too expensive. With the PH260 set up time is a breeze.



* Stanley Brys

What products are you producing using your PH260?

T&G flooring. Swedish Log Panel. Log Cabin Siding. Colonial Door Casings. Colonial Baseboard

What types of wood do you work with?

White Pine and Red Pine. Some cherry and maple.

Is there any advice you would like to give someone thinking of purchasing a PH-260?

Do not hesitate!



* Jerry Peacock

What products are you producing using your PH260?

T&G Flooring, V groove paneling, beaded paneling, and moulding to go with each.

Is there any advice you would like to give someone thinking of purchasing a PH260?

If you work with wood and enjoy what you do then don't hesitate.

It turns something plain into something beautiful.

TIPS & TRICKS



*"It turns
something
plain into
something
beautiful"*



At www.logosol.com you can learn more about the machine that is bringing a revolution to the moulding market – the Logosol PH260 Four side Planer/Moulder!



Expansion of our Line of Profile knives!

For many years Logosol has offered a well-assorted range of profile knives. We are continuously expanding our assortment, and now we introduce 10 new standard profile knives to our customers.

In addition, our profile knives will be available in two options; one line for hardwood and one for softwood.

To customers with high demands, we can now offer serrated cutter heads and knives for perfect interlocking. These planer knives are at a relatively high price, but they can be reground many times.

If we do not have the profile you want in our assortment, we can, of course, offer you custom-made profile knives.



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Visit the Owners Forum Online!

Exchange experience and ideas in the online forum. Check out images uploaded by owners – everything from mill modifications and projects to "strange things I found inside logs" Welcome as a guest or register to put questions or replies!



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Woodworker's Mill

with 385Xp

\$ 2995⁰⁰

without powerhead
\$ 1995⁰⁰

NOW!

Free Grinder and M7 Ramp Support for every sawmill with powerhead until 1st of January-06 Value: \$197

Woodworker's Mill

This new sawmill from Logosol gives you the capability to control your project from the raw log to the finished product. Cuts logs up to 8 ft long.

Sawmills with powerhead including 16" bar with 2 chains, files, Pferd file and adjustable Log Stop.

Logosol M7 Sawmill

With the M7 Sawmill you can saw a tree on site at a woodland plot and choose an optimum size for your boards. Cuts logs up to 16 ft long.

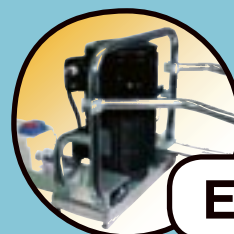
\$ 2395⁰⁰

M7 without powerhead



Logosol M7 with 385Xp

385Xp + M7 = \$ 3395⁰⁰



Logosol M7 with E5000

E5000 + M7 = \$ 4493⁰⁰

Pferd File Guage

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Filing Device Logosol

\$ 49⁹⁵



Rail Extension Kit 1.64 ft

\$ 89⁹⁵



M7 Rail Extension Kit (half sawmill)

6,2 ft \$ 1085⁰⁰



Log Roller \$ 64⁵⁰





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This warranty is even for professional use with our sawmills - you pay some extra and get a unique warranty for 3 years!



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3-Phase \$1450⁰⁰

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3-8"**

NEW!

**Mounts directly on the rail
of all Logosol sawmills**



Logosol teamwork paid off at the Shoot-Out!

Although there are several manufacturers of chain saw mills out there, Logosol was the only one that opted to put its machine with the portable band mills. A regular participant in the Shoot-Outs, Logosol has been striving for years to break the 200-bf-perhour mark. Would they finally do it this year? Read on!

Running the chain saw mill alongside band mills and swing blade mills with as much as ten times the power, were sawyer Martin Hall, and tailman Rob Bjorklund.

A respectable showing

Focusing on the job at hand, the duo made a very respectable showing. As with many of the teams at the Shoot-Out, sawyer Hall and Bjorklund don't cut lumber every day.

"It has been about six months since I've done any cutting, and for Martin, it's been about a year," Rob explained.

The Logosol M7 mill consists of an anodized aluminum framework that puts the chain saw at a comfortable height. The chain saw rides on a track that can be raised or lowered to set the thickness of the board.

The sawyer feeds the saw through the wood by turning a crank that winds a rope around a shaft. This makes it possible for a single person to run the chain saw through the log.

For the Shoot-Out, the Logosol team used a Husqvarna 395 chain saw and a thin-kerf chain sharpened for ripping to get the most out of the limited power.

The sawing strategy was simple: Hall squared out a cant with three flat sides. Then cut the cant into the 1-in.-thick boards.

"The biggest difference is that we had two chain saws out there," said Bjorklund. The team used a saw with a 25-in. bar to square out the

cant, and then switched to the second saw with a 16-in. bar to cut the boards. "The 16-in. bar cuts faster because it has less drag," Bjorklund explained. "It is also quicker to sharpen."

After slicing the cant into boards, he set aside any boards with rough edges for edging.

With a cycle time of over one minute per board, one might assume that the tailman would have plenty of time on his hands between cuts. But it isn't in Bjorklund's nature to stand around while someone else does all the work. "While Martin was cutting, I was topping off the fuel and sharpening the chain," he explained.

Bjorklund also sorted the boards for edging, rolled the logs up the ramp, and, of course, removed boards as Hall completed each cut. All of this allowed Hall to keep a sharp saw blade in the wood.

Strategy and teamwork paid off

Their strategy and teamwork paid off. The final board tally of 345.3 bf was cut in 96 minutes, 39 seconds—a sawing rate of 214 bf per hour. Bjorklund summed up the Shoot Out: "We had a smooth run, and broke 200 bf per hour—which I'm pretty ecstatic about—on a chain saw mill, cutting 1-in. lumber! Correcting some of our small errors—such as stacking slab boards better—would have increased our production, but, all in all, I feel pretty good about it."

*Article and pictures from
The Sawmill & Woodlot*

Build your own sawmill!

Turn your chainsaw into a lightweight portable sawmill! The TimberJig is a small handheld sawmill that provides the ability to make dimensional lumber very economically. This little sawmill has been proven in national sawmill competitions, cutting 223 board feet per hour of certified 2" lumber. If you want to try your hand at cutting, get the TimberJig, attach it to your chainsaw and start cutting Lumber!

- Fits most chainsaws with 2 Bar Bolts

TimberJig

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..... TimberJig with Guide Rail

\$747.00 exclusive powerhead

with Husqvarna 385Xp

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If the log is heavy or difficult to transport, you can attach the guide rail directly to the ends of the log!



Build a wooden log table, a steady base to attach the guide rail to. Then you roll the log up on the table and work in comfortable height.

A chapter from Sawmilling for Woodworkers - our Best Seller!



Drying a Whole Log

A way of drying that I have recently begun to favor is drying a whole log at once in an individual stack.

This is said to be the "Japanese" drying method, where you take a log, plain saw it and stack it back together. Stack the log as it came off the mill, back into the shape of a log, except with stickers in between the boards. Then you can strap it with two cargo straps and tighten it up.

Set it up off the ground to dry and periodically check the straps and tighten as the wood dries. This keeps the boards straight, and helps prevent warping.

If you are cutting species that tend to warp when drying, this is the best way to minimize the warping. You can keep constant pressure on the boards as they dry. You do not need any weights, and the whole stack is much neater and easier to deal with than a big stack of lumber.

I have started preferring a lot of small log stacks, instead of one big stack. The lumber is more organized and easier to get to in this way. You do the edging later, or you have the option of using natural edge planks in your project.

This is a great way to keep your wood together for a project. And when you are at the end of the drying cycle, you can take the whole log inside to finish the drying indoors. It is perfect for small projects, where you want to be sure and match your wood. Putting the cabinetmaker's mark on the end of the log helps you know which boards match when you take the wood out of the stack.



Rob next to California Cyprus log stacked to dry in original log shape Japanese style, log cut using the M-7 in inversion fashion

Drying in a log stack keeps all of your options open for future use of the wood. You have the option of using natural edges in your projects, matching grain easily if gluing up stock in a traditional manner, or edging one side and having book matched pieces for those special projects. Plus, the lumber dried in this way cups less and dries straighter than we have seen with traditional drying stacks.

Overall, after all the discussions about the large lumber stacks, if you are drying lumber for small projects, this method of drying is the way to go.

Saving a hurricane-toppled church tower with a extra-long Logosol M7

Hurricane Gudrun destroyed the tower of Vadensjö church, outside Landskrona. Although the whole of the Skåne region was full of toppled trees, none of these were long or straight enough for rebuilding the tower using original methods.

Poul Nielsen's extra-long M7s and a Dalsland plantation of trees for ship masts provided the solution.

Poul Nielsen runs Fengersfors Byggnadsvård, a building conservation company outside Åmål. He specialises in timber in odd dimensions and the renovation of old buildings. In this case, the timber was to come from Mastedalen ("Mast Valley"). Located in Dals Långed, this is an area where, to furnish masts for ships, pines were planted in the eighteenth century.

Mastedalen is owned by Per-Arne Hedlund, an enthusiast who takes great care of his unique trees and only allows felling when he thinks it is in a good cause. The straight growing pines will never see a paper mill. However, Per-Arne Hedlund willingly takes out his motor saw if an old church tower is in need of renovation.

"The trees in Mastedalen are fantastic," enthuses Poul.

Contacted through Logosol

When the restoration of Vadensjö church had begun, the parish authorities in Landskrona knew nothing of Poul Nielsen and Mastedalen. As the project progressed, it was discovered that the tower was rotten and worm eaten.

"The hurricane tore down parts of the tower along with the scaffolding and everything else," relates Lars O. Nilsson, property manager for Landskrona parish authority.

Rebuilding the tower in the original manner required twelve extraordinary beams. Seventeen metres long, straight and in two sizes, 6" x 6" and 6" x 7". Not exactly something that timber yards keep in stock.

Thus, the building company contacted Logosol and learned of Fengersfors Byggnadsvård. Poul, in turn, got in touch with Mastedalen's owner and was given the green light. However, transporting the logs to Fengersfors mill, where Poul normally has his M7s set up, was out of the question. Because the trees were selected and felled at several sites and times in Mastedalen, coordinated transport was impossible. Furthermore, trees of that size are a difficult cargo.



Poul Nielsens three and a half M7s were the only way that the 17-metre long, ruler straight beams could be cut out for use in rebuilding the church tower in Vadensjö.

Fifteen metres, knot free

"So, we took the M7 sawmill out to the forest. Unfortunately, as there was no electricity on hand, we had to use petrol saws," says Poul. He estimates that electric saws would have done the job in half the time.

Three M7s and an extension were joined together to form a 17.5 metre long sawmill. Each cut took around 20 minutes. With all the peripheral work, this meant that producing a beam generally took one working day.

"The timber is absolutely fantastic. For example, we managed to cut out a 15-metre long, four-sided, knotless, side board," recounts Poul, who becomes lyrical when he describes the 300-year old pines. To be certain of getting twelve straight beams, 15 trees were felled.

However, every single tree proved to be ruler straight, exactly as intended when they were planted to provide ship masts. The foresters of those days understood the secrets of timber. How much have we really learnt since then?

Mastedalen is a slice of Swedish history. The trees there were planted when Karl XII and

his army marched through Dalsland on the first campaign to Norway.

Unique forest

Per-Arne Hedlund, the present owner, sees it as his duty to nurture this unique forest. Timber is only released for appropriate projects, for example, renovating an old, hurricane-ravaged church in Skåne.





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Logosol Log Spinner

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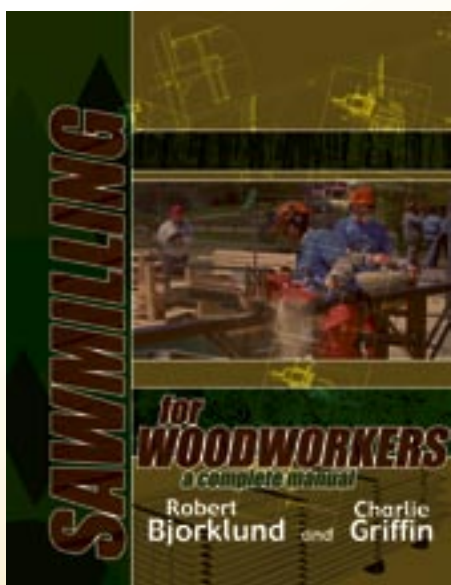
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