

LOGOSOL FRESH CUT



News from Logosol UK • No. 5 - November 2007 •



SAWING GIANT LOGS!

Richard Dunmore runs a Mobile Sawing Services. He specialises in mobile sawing of timber at the owner's premises. In this issue of Fresh Cut he takes a closer look at the Logosol Big Mill LSG.

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Sawmill Owner
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Meet the new record holder

With the help of five other sawmill owners and a total of ten Logosol Sawmills, Anders Nykvist succeeded in breaking Logosol's world record in the event 'the world's longest plank'.

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Logosol presents new machines!

Logosol has decided to start selling three new machines, which meet the demands of the small joinery shop!

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Creative Logosol customers from all over the world!

Andrej and Nikolai Jurov live outside St. Petersburg in Russia, and they are both part owners of the Logosol PH260. Meet them and many other proud Logosol owners from all over the world in our new series of articles!

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M7 Sawmill at Leeds Castle

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Now you can get the proper machines for your joinery shop from Logosol!

A growing part of Logosol's customers, both in Sweden and in other parts of the world, develop their wood processing hobby into a business. They are filling the void that the DIY-stores have left in their pursuit of low prices, resulting in a thinner and thinner assortment. The same development has made it more interesting for the hobby joiner to produce more things himself.

These small-scale wood processors produce custom-made mouldings and panelling. Their satisfied customers also want other things than mouldings, such as building details and other joinery work.

Logosol PH260 is a worldwide renowned professional planer/moulder. It can do many things, but far from everything. Due to this, we at Logosol have decided to start selling three additional machines, which meet the demands of the small joinery shop.

The machines are well known among our Swedish customers. The manufacturer, Moretens, who among other things manufactures Logosol's four-cutter planer/moulder, has been our partner for 15 years. Moretens also manufactures a couple of other machines, which have become favourites for demanding joinery shops that produce prototypes, and customize for designers and schools.

Now, we have included these machines in our range of products:

- The jointer/planer H410. There are many in Sweden who

thinks that this is the best jointer/planer in world considering the price.

- The vertical milling machine MF30; a unique vertical milling machine with tiltable spindle and a number of other functions.
- The dimensioning saw PS315; stable and with functions that you can only find in more expensive saws.

This was only a brief presentation of the machines Logosol now includes in the assortment. You will find further information in this magazine.

This is the first time Logosol introduces machines that already exist on the market. Up to now, everything has been designed and developed by or for Logosol.

Moretens' machines feel like Logosol down to the last screw. The explanation is simple; we have together designed and developed PH260, which is praised to the skies by its users. The joinery machines are manufactured in the same factory, using partly the same components, and with the same aspiration: to supply professional machines in a small format and at a reasonable price.

If you already have a Logosol planer/moulder, you know that everything you need is quickly supplied, whether it is good advice, accessories or spare parts. You also know that the machines are durable and give you an excellent result.

Bengt-Olov Byström,
founder of Logosol

FRESH CUT!

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A Format Saw with high quality and stability

Logosol PS315 is a precision saw within reach for small joinery shops and choosy amateurs. It is just as stable and versatile as many industrial saws.

We have many names for the things we love, and this type of machine is called a dimensioning saw, trimming saw or resaw. They come in different sizes, from simple constructions of sheet metal, to the industrial, computer-controlled, cast iron machines.

Together with the jointer/planer and the upright drilling machine, it is one of the most important machines in a joinery shop.

Logosol has chosen to call it PS315. The abbreviation stands for 'precision saw' and the figures stand for the dimension of the tiltable saw blade. It looks like a professional saw, it works like a professional saw, and it feels like a professional saw. But the price tag shows a reasonable price. Logosol PS315 has a combined machine table and frame in cast iron. The carriage runs on sixteen steel balls with a diameter of 19 mm (0.7"). The balls run



Bengt-Olov Byström shows the Logosol PS315.

in tempered steel tracks, which are fitted in the cast iron. It is a rigid construction to ensure the highest precision. All fences are of industrial quality and can be precision-adjusted.

The adjustable circular saw blade is 315 mm (12") in diameter, and is suitable for both laminates and solid wood. The carriage takes pieces that are up to 1200 mm (47") wide. If you fit an extension table it will take all sizes. This precision saw is a versatile machine. You can use it for cross cutting, mitring and rip sawing. It can also be used for grooving and tenoning, or for dimensioning board material. It is a machine that the pros cannot do without. With Logosol PS315, you too can allow yourself that luxury. *

Unique Vertical Milling Machine!

Do not call Logosol MF30 a multi moulder. It will make the designer object. It is multi, to be sure, but primarily it is above all a unique vertical milling machine with professional qualities.

By Janne Näsström

Translation: Anna Olsgren Byström

The Logosol MF30 is built like a much more expensive industrial machine; stable with a machine table of cast iron, a full-scale carriage, and more adjusting possibilities than any other vertical milling machine on the market.

Being a vertical mill, MF30 is unique on two points:

- The spindle can be tilted 45 degrees in both directions and, in addition, it can be adjusted horizontally.
- Also the fences can be tilted.

Both functions are micro-adjustable to give you the highest precision.

The name of the machine, MF30, stands for 'multifräs', the Swedish word for multi-moulder, but this is a designation the designer Bo Mårtensson would rather not use.

There is a risk that the word 'multi' obscures the fact that the machine is primarily a unique vertical mill of professional class.

But the multi moulder is actually what its name says. The entire motor unit can be tilted through 270 degrees.

The first part of the tilt radius is used for giving



Logosol presents new machines for your joinery shop! Joakim Byström and Bengt-Olov Byström from Logosol Sweden.

the spindle the correct angle to the workpiece. The rest of the radius gives two additional functions to the machine:

- Tenoning or long-hole drilling with horizontal spindle.
- Plunge routing with tiltable spindle.

The machine comes with two types of spindles, one spindle for cutters and one high-speed spindle for end milling.

The machine can be supplemented with, among other things, an extension table, a kit for curve milling, an XY-table, and a feed unit. Logosol MF30 is a machine of possibilities, which enables you to process workpieces through 270 degrees. The multifunctions of the machine have in no way had any negative effect on the main function. On the contrary, the machine has become a better vertical milling machine. *



Bengt-Olov Byström takes a closer look at the new H410.

The Best Jointer/Planer in the World?

Swedish joinery shops and craft teachers consider the Logosol H410 to be the best jointer/planer on the market that you can buy at a reasonable price.

"At the Ligna trade fair in Germany we found an equally good machine. But the price was ten times higher," Logosol's Bengt-Olov Byström says.

What distinguishes H410 from all other jointer/planers is that you do not have to alter the machine when switching from jointing to planing operation. Nothing has to be folded away, removed or mounted, neither the machine tables nor the outlet and hoses. Everything stays where it is during all operations.

The first step is the jointing. The precision-processed, cast iron table can be fine-tuned, and the same goes for the sturdy fence. The planing depth, 0-10 mm (0-04"), is set in one single operation. The planing width is 310 mm (12").

The next step is the planing, which is done the classical way, under the table. So far, there is no difference between H410 and other machines.

The difference is that you use the planing function directly, without altering the machine or even turning it off. This saves time, especially when you are producing separate pieces or short series.

The capacity of the planer is impressive. It machines workpieces that are 410x260 mm (16x10"). Regardless the price level, most jointer/planers only have one motor for both the cutter and the feeding. H410 has two, of which one runs the feeding and is available with variable speed. The result is a powerful planer with few problems.

As you know, beauty is in the eye of the beholder, but in Sweden many think that H410 is the best jointer/planer in the world. *



SO FAR PROJECTS INCLUDE:

- Beams and structural timber for our maintenance department
- Gates posts and directional way marking posts for around the estate
- Golf Tees and a mount for a cannon; you never know what you need at a Castle!

Leeds Castle: *This bench has already paid for itself!*

After looking around at various portable sawmills we finally decided to purchase a Logosol M7 milling machine. This was early last year. With the mill we also purchased a chain saw unit and an electric motor to go on the bench.

The original idea was to use the mill with the saw unit on site in the woodlands. The electric motor unit was to be used back in the yard with the same milling frame. Our M7 has two 9 foot beds giving us 18 feet in length overall, we have found this length to be ideal for our purposes, writes Terry Walters, Woodman, Leeds Castle.

Because we are an estate with woodlands surrounding parkland it has proved effective to leave the mill set up in a central work yard. Bringing the timber into the yard we have found that this gives us the scope to select the timber for a particular requirement. Keeping the machine in the shed also means it can be utilised in inclement weather.

The electric motor unit cuts faster, seems easier for the operator and is extremely economic with the chain oil compared with the saw unit. With 4 metre by 50 centimetre larch poles we find that we can convert these into the required sizes in about fifteen to twenty minutes which we feel is quite efficient.

The M7 has given us a new dimension with regard to timber conversion that we previously did not have. With the convenience and efficiency of the M7 we are converting odd lengths to timber ie limbs and short butts into a usable commodity which would otherwise have been converted to logs. As a new owner there always seems something new to learn with the M7.

We initially found it difficult to convert shorter lengths of timber but have now found a way around this with an extra central guide that we designed and fixed ourselves. Generally any cutting problems we have experienced with the M7 tends to be normal bar and chain problems which you would experience with any chain saw and not to do with the set up of the frame as we first thought. We feel the M7 milling machine is reasonably priced, has various extras and is without a doubt an asset to us.

James McConkie, Grounds Manager writes: The M7 saw bench enables us to utilise timber

arising from our tree management that only produces a small scale volume of occasionally very interesting lengths and shapes for processing. As we don't have a high volume of timber it was essential that an affordable and adaptable milling system was sought. The M7 being mobile also reduces the need for heavy extraction equipment.

It has been a learning experience and not all of our timber has come out square (much to our fault and not the bench). This has led to a more characterised look to some of our beams which when you are supplying a Castle over 1000years old it is what is sometimes needed!

It's nice to use a local produce and endorses the ethic of sustainability also adding value to timber arising from tree work which may otherwise have gone to firewood.

We find the market saturated with very affordable small spec softwood/fencing materials but when it comes to beams and large spec hardwood this bench has already paid for itself. *

The New Logosol E8000: Get 60 Percent More Cutting Power out of the Same Fuse

Logosol E8000 is the saw unit about which many Logosol Sawmill owners have dreamt. It delivers 60 percent more cutting power than E5000. But the best achievement is that the saw unit can be powered with a standard 16 amp, 400 V, 3-phase outlet.



Logosol E5000 is a tough machine with documented good qualities. It cuts and cuts; year in, year out. But sometimes there is need for more power: when you are cutting hardwood and the summer heat makes the motor-circuit switch release, or when you just want to saw faster.

The solution has been to mount a cooling fan. The cooling fan is included when buying the, up to know, largest saw unit E6000, and it can be mounted on all the other electric saws. The cooling fan works well, but it is not the optimal solution. Mattias Byström, who has constructed E8000 together with Jonas Höglund, explains why.

"A smaller motor becomes overheated when it runs at maximum output level. Due to this, it is better to increase the output so that you do not have to cool the heat."

This is easier said than done, since up to now there has not been any stronger electric motor on the market for which 16 amps is enough. Now it exists, developed and manufactured by order of Logosol.

"Independent tests show that the peak power is 16 kW. The corresponding figure for E5000 is 10 kW," Mattias says.

16 000 W from ordinary three-phase power should not be possible. But so far not a single fuse has blown, neither at Logosol, nor at Matts Bergman's, an experienced Logosol sawyer who has been the test runner during this summer.

"It's an amazing saw unit," says Matts, who was sawing with the unit hour after hour without a single stop when the temperature was 30° C (86° F).

The fact that the fuses do not blow has a simple explanation. When the electric motor runs at maximum output level a lot of energy is transformed into heat, which makes the electricity consumption increase. E8000 is so powerful that it never reaches its peak power. It runs at a sufficient level, and there will never be an electrical surge.

"The limitation lies in the bar and the chain. You simply can't use all the power that the motor delivers," says Mattias, who really has tried to make it fail. "The motor and the electric feeding are so powerful that a heavy log will move if you feed with too high pressure".

Logosol E8000 takes chainsawing to the limits of what is possible, without becoming overheated. *



As a Sawmill Owner Near You, Phil Game like to share his experience with others!

Meet a Logosol Sawmill Owner Near You!

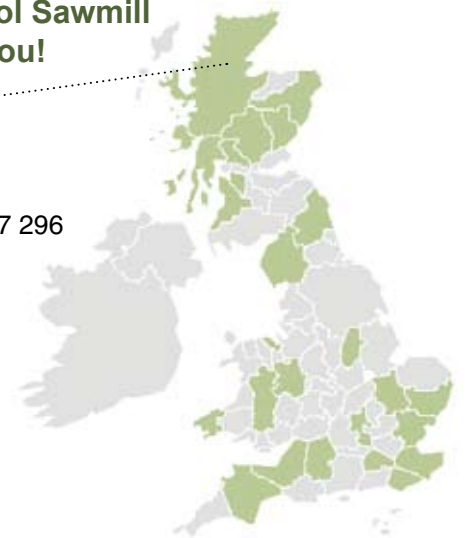
HIGHLAND

Phil Game

City: Stromeferry

Phone: 01599 577 296

Products: M7



You find all Owners Near You at our website www.logosol.co.uk. These Logosol Sawmill Owners have agreed to share their experiences with others interested in the Logosol sawmill - feel free to call them and ask questions or arrange for a demo.

Learn from a novice Logosol Sawmill Owner!

Phil Game bought a Logosol M7, and a series of unexpected events opened his eyes to the process of converting logs into useable timber. When we asked him to put a few words together for Fresh Cut he wrote a text too long to publish in this paper and too good to cut down.

- Maybe my experiences might help others get started more easily, Phil Game writes and hopes his check-list will be useful to beginners.

He presents a list of problems on the way, but also the positive aspects of Logosol mill ownership.

- I found the mill very easy to assemble. It is light enough for two people to move when fully assembled. The finish on the timber is as good as or better than any sawn timber I have purchased. It is very accurate and adjustments are provided so that over time the accuracy can be maintained. I have found support from Logosol UK to be excellent; any problems I have encountered have been dealt with promptly with a very helpful and friendly service. Best of all I have been able to produce sawn timber for less than a quarter of the price seen in the timber yard, Phil Game writes. *



Logosol M7 - finally ready to make the first cut!

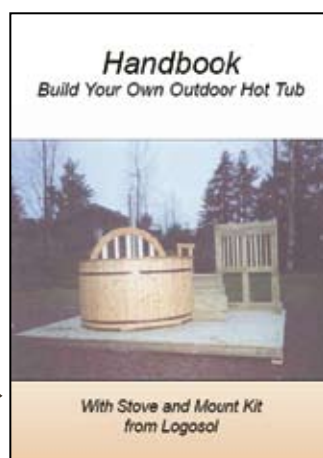
» Read the full report from Phil Game at www.logosol.co.uk, under news!

Build your own outdoor hot tub

Earlier this year, a special three-day hot tub building course was organised in Duns, Berwickshire, by Logosol. The participants learnt how to build the scandinavian outdoor hot tub using Logosol machines.

A handbook was created during the course, you find it as a pdf at Logosol's website - free to use!

The handbook is very exhaustive and describes all steps in detail. Do not let the mass of text scare you off. Building an outdoor hot tub is quite easy; the first time you do it, it will take about 15-25 hours, starting from unprocessed boards.



Mattias Byström from Logosol Sweden was the teacher at the hot tub course in Duns.

The finished hot tub can be utilized at home, at your summer house, or by the sea or a lake. Or why not on a trailer, if you want to change scenery for the bath – or start a leasing business! *



LOGOSOL GERMANY



BUILT A NEW HOUSE AFTER THE STORM!

After a big storm in Germany the Pfeifle family built the house of their dreams. Don't miss their story in the Logosol e-newsletter!



LOGOSOL CANADA



BEAUTIFUL WOODWORKING WITH THE PH260!

Red Oak in the living room, Maple in the kitchen and Black Cherry in the bedroom. Mr. Raymond Leroux used his Logosol PH260 for all the woodwork in his new house.

MEET LOGOSOL-OWNERS FROM ALL OVER THE WORLD!



LOGOSOL SWEDEN

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. We tell you more about his project this spring!



LOGOSOL NORWAY



LIKES TO WORK IN HIS JOINERY SHOP!

Meet Rune Dahl who likes to work in his joinery shop with machines from Logosol!



LOGOSOL USA



THE HARPMAKER FOUND THE PERFECT TONE!

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

The Joy of Woodworking!

International series of articles in the e-newsletter!

Logosol now has sales in over 65 countries. We have the world's most creative customers and we gladly tell their histories! With the help of our sawmills and planers they realize big and small dreams.

During 2008 we will start a series of articles in our e-newsletter and on our website, in which you will meet Logosol customers from all over the world. Don't miss it! Logosol's e-newsletter has over 1000 subscribers in the UK. It is sent monthly, and you can subscribe directly on our website!



Subscribe to
our newsletter!
www.logosol.co.uk



LOGOSOL RUSSIA

HOW TO USE A PH260 THE RUSSIAN WAY

Meet the three families that bought a PH260. Their business concept is the production of exclusive, painted fence sections. "We have already received enquiries from wholesalers and DIY stores, but our aim is to sell direct from the farm," Andrej and Nikolai Jurov say, both part owners of the Logosol PH260.



LOGOSOL RUSSIA



ANDREJ AND VERA SAWING FOR THE FUTURE!

When the sawmill-business in the village shut down, Andrej and Vera Akimov bought a sawmill of their own. Now they are sawing for the whole family!



LOGOSOL SWEDEN



THE OLDEST SAWYER IN THE WORLD?

Bengt Kastensson, 93 years old from Sweden is probably the oldest active Logosol sawyer in the world. Meet him in upcoming newsletter!

The small mill for the large timbers

Richard Dunmore about the Logosol LSG: strong and light!

Turning a felled butt into useable planks is the ideal job for your chainsaw, using an attachment called a ladder mill - the Logosol Big Mill LSG. The professional sawyer Richard Dunmore explains how it works!

By Richard Dunmore

As I try to feature as many different aspects of milling as possible I thought I would take a look at one of the simplest, yet extremely capable, milling attachments for your chainsaw. The type of mill I will be looking at is what I call a top referenced mill which, are often called ladder mills. The reason for this will become clear further on.

There are a number of manufacturers who supply these however as you will know I am a great fan of the Logosol products so I am using the 'LSG' mill for this feature.

Important to get a straight first cut

The basic idea is that the chainsaw is used on its side and hangs under reference bars on the sawmill attachment. The reference bars travel across the surface above the cut so, unless you are making some unusual wavy furniture you want your first cut to be as straight as possible which makes sure all of your subsequent cuts are also straight. In order to achieve this a ladder (hence the nickname!) or plank has to be fixed to the top of the log to be processed which gives the first flat surface for the reference bars to move across. So, as I have started to look at

the log set up I'll delve into that in a little more detail followed by a look at the mill and then the actual cutting techniques/tips.

The major challenge in setting up the log is fixing a stable straight platform to the curved top of the log ensuring that when you start milling you do not hit any screws or fixings used to secure the flat surface. In this case I will use a plank but a wooden ladder is equally good. I say wooden ladder because it is easier to fix screws through it into the butt however, you could use an aluminium ladder if you can fix it securely.

In the example I photographed I had two projections sticking up from the log. I decided to roughly cut the projections off to produce a couple of flats. This made the plank much easier to fix. I then used normal woodscrews straight through the plank into the timber below.

I was careful to note the length of the screws I used so that when I set the depth of cut on the sawmill I was sure there would be no nasty metal strikes. There are few things to watch out for when inserting the woodscrews. As the

plank needs to stay straight and flat you need to be wary of inducing a bend or twist in the plank as you tighten the screws. When there is a gap between the plank and the log you can help this significantly by placing packing timber under the plank. When you screw the screws into the plank ensure the screw heads are below the surface of the plank. This will prevent the sawmill reference bars snagging on them as it passes.

The plank should project about 12 to 18 inches at either end of the log. This allows you to sit the sawmill on and start the cut in a comfortable, controlled manner and at the end of the cut, the saw and mill are supported as you exit the cut.

Fully adjustable

Once you are happy that the plank is correctly secured you can turn your attention to the sawmill. In the case of the Logosol LSG mill it is secured to the chainsaw via the special nuts that replace the main bar nuts and at the tip of the bar using a special clamp.

In this case I have a four foot bar fitted to the mill but it will take a larger bar than that if you are feeling athletic! The LSG is fully adjustable to take any bar length so you do not have to buy a mill which fits one specific bar. The system itself is built on the foundation of the Logosol range which is the Timberjig. This wonderful small frame is an excellent chainsaw mill in its own right but coupled with the LSG really allows you to start slabbing up some seriously large timbers. The Timberjig is also ideal for edging any boards produced using the LSG. The LSG mill is made of a mixture of steel and aluminium components which helps to keep it strong yet light. This is a real godsend if you are going to be milling for any length of time.

Set the height against the scale

The depth of the cut is set on the Timberjigs. Two knobs allow you to set the height against the scale. On the first cut you must add at least the thickness of the reference plank and length of the screws fixing the plank. I try to set a depth so that the first cut reveals a flat surface of at least 6 inches wide along the butt. This gives good stability when using the mill.

Once your mill is fitted to the chainsaw, and you have your 'monkey suit' on you are ready



Richard Dunmore runs a Mobile Sawing Services. He specialise in mobile sawing of timber at the owner's premises. Read more at his website: www.mobilesawing.co.uk



The tree has been felled and cut up into manageable sections, ready for milling.



After trimming off any projections, the plank is screwed securely in place.



With the Logosol LSG you can saw giant logs, Richard Dunmore explain how it works.



Rest the assembled mill on the reference plank, and open the throttle to full revs



Use packing pieces between the plank and the log to prevent it from twisting.



Two knobs on the Timberjig allow you to set the height against the scale.

LOGOSOL BIG MILL LSG

- For sawing of giant logs.

Components: 2 Timberjigs, 1 LSG kit with bar tip steering.

Log Diameter: Max. 135 cm

Read more about the Big Mill System at our website: www.logosol.co.uk

to make your first cut. So, start the saw, chain brake on, place the sawmill onto the reference plank. With one hand on the throttle and the other on the push handle on the mill open the throttle to full revs and gently push the saw into the cut. I always try and use gravity to my advantage so if the log to be milled is on a slope I will try to mill downhill. As you start to push you will find a comfortable position based on your own physique and the size of the log etc. It is not difficult and very quickly becomes second nature. Towards the end of the

cut the chain will want to jam as you release the top section of the log and it wants to drop down onto the bar and chain. A simple way around this is to cut a few packers or wedges of timber on your table saw which are the width of the kerf and insert them into the cut thus preventing the top slab from trapping the bar and chain as you complete the cut.

An excellent basic system

With the first cut made you should then have a flat surface to use for the next cut. You do still have the option to use the plank again or with the help of an assistant you can go straight into milling using the newly cut surface as your reference. Screwing the plank straight on the newly cut surface does give you a more controlled start and finish to the cut and again, it is easier if you insert the kerf packers to prevent the slab trapping the bar as you complete the cut.

Over all I find this an excellent basic system which allows the amateur or professional to manufacture their own quality timber at a fraction of the price of buying it. In fact, with the savings that are there to be made I am always amazed there are not more people milling in this way.

If any of you are thinking of getting into chainsaw or bandsaw milling or have done some and would like to carry out some more advanced work, I run informal courses which cater for the beginner through to advanced milling on very large timbers. I often find that the larger timber work is of use to the tree surgeons as it allows them to remove valuable timber from inaccessible places. The timber can then be sold for many times the value of firewood. I am able to run the courses at your site or at my site in the Blackpool. Please contact me to discuss if you are interested! *



"I bought the briquette press to be able to handle all the shavings from the planer in a rational way," Lennart Eriksson says.

Compressed Planer Shavings Save Space and Creates Income

When a small planer shop receives a big order it meets with a great problem. What should you do with all the planer shavings? Lennart Eriksson solved this problem with a briquette press. The compressed shavings became easier to handle and in addition he got a product he could sell.

By Janne Näsström

Translation: Anna Olsgren Byström

Lennart Eriksson lives outside Mellerud in Sweden. He is an instrument technician at a paper mill. A couple of years ago, he bought a Logosol PH260. His aim was to develop his own business, and his partner Annette Lundgren shared the same vision.

"Annette is a hand crafter and she was thinking of starting a shop together with a friend," Lennart says.

Big order from DIY store

The couple bought a small farm, just outside the town, for both their businesses. The old barn became Lennart's Wood & Planer Shop, and in the dwelling house Annette opened the handicraft shop.

Just over a year ago, Lennart received a big order from a small DIY store. It was an order for so much four-sided planing, that it was equivalent to a half-time job. Lennart resigned from his job at the paper mill, and started to plane. Everything went according to plan, with the exception of all the planer shavings. He could dispose of it as stall bedding to local farmers, but handling it was time-consuming. Lennart is of the type who sees opportunities where others see problems. He bought a briquette press and installed it above the

planer. The shavings are transported direct from the planer to a chip duct on top of the press. The finished briquettes end up in large sacks and are then delivered to be used as solid fuel.

"The volume is reduced and the briquettes are in demand," says Lennart, who himself uses direct-acting electric heating at home. "But I have installed a stove that takes briquettes."

Planing for sawmills

The contract with the DIY store was time limited, and when it expired Lennart chose to return to the paper mill, where he now works in five shifts as an instrument technician. This is an occupational group that installs and maintains measuring and regulating systems, something that suits a clever person like Lennart. In his time off, he works at the planer shop, producing customized mouldings to customers, and planing on subcontract for small, local sawmills.

"In the long run, the goal is that Annette and I can move out to the farm and earn our living from our businesses," says Lennart, who has several other ideas about developing the business.*



Lennart had no previous experience of planing when he bought his Logosol PH260. Two years later, he is a skilled pro.



"Our goal is to move to the farm and work here," says Lennart, who in the meantime works at a paper mill and runs his business on part-time basis.



Lennart Eriksson started his Wood & Planer Shop with the Logosol PH260.



Torgny Jansson; inventor, CEO, and owner of the company.



Håkan Persson, vice-president and marketing manager, is sharpening a planer knife.

Tormek - from small idea to big business!

One day in 1973, Torgny Jansson had a brainwave when he was turning a grindstone for his father Erik.

"There must be another way of doing this," thought Jansson, who had an interest in carpentry. With his technical expertise as a fabricator at SSAB in Strassa, Sweden, he was just the man to find another way.

Today, he is the owner and CEO of Tormek AB in Lindesberg, world-leading in the field of water-cooled grinding. Tormek sells its machines to retailers in the whole of Europe, America, South Africa, Australia and Canada. In Sweden, the machines are sold by Logosol, amongst others.

"Every one who has learned to appreciate and understand the importance of having sharp tools is our customer," says Håkan Persson, vice-president and marketing manager.

The first water-cooled grinding machine that Torgny Jansson designed, was run by an electric drill. It was a success, and Luna, the biggest tool wholesaler in Sweden, bought 100 grinders. The inventor and his father produced the grinders in their spare time, in their home in Storvik.

Since then, the product development has unceasingly continued. The breakthrough came with the universal support, which makes it possible to fit jigs to the machine and then sharpen different tools. Today, Tormek's jig system includes twelve jigs, enabling you to sharpen e.g. planer knives, moulding knives and other types of cutting tools, with a perfect result and full control. Through the cooperation with Mattias Byström at Logosol, the jig for moulding knives was designed. Now, the next generation of water-cooled grinding machines is on the market, Tormek T-7 with two patent pending solutions, which is a product of such quality that the company takes the risk of giving a seven-year warranty. Tormek, which develops the products, buys the components and markets the products, has 16 employees. The subcontractors are mainly Swedish companies.

"We are very experienced in the sharpening business," says Pontus Gyllby, responsible for the Nordic market. "Today, we offer a complete solution to sharpening, which includes a grinding machine, grinder jigs, accessories and knowledge.

Tormek holds its own in the competition. "This is due to the quality and continuous development of the products. Most of those who bought a water-cooled grinding machine from Tormek 20 years ago still use it today and supplement it with the latest innovations of jigs and accessories. It is our high-quality and well-functioning machines that make us the best," Håkan Persson states. *

Anders is the new record-holder

Logosol has held the world record for the longest plank for more than ten years. Double records, that is. But now the last record is beaten. In next year’s edition of Guinness Book of World Records the record-holder’s name is Anders Nykvist from Onsala in Sweden.

By Janne Näsström
Translation: Anna Olsgren Byström

It was Logosol that initiated the event ‘longest plank’ in 1995 at Elmia Wood Fair in Jönköping, Sweden. According to the rules, which have been approved by the record book, the plank must be of the dimensions 2x4” all along the plank. The part of the plank that does not come up to the mark is deducted. Logosol’s first world record was a 34.1 m (112 ft) long plank. Two years later, it was time for another go when Logosol’s US office in Mississippi was inaugurated. The earlier record was surpassed by more than one metre (3.3 ft), and up to now the world record has been 35.2 metres (115 ft).

Since then, no one has been able to break the record. At Logosol it has been speculated if anyone else would be able to succeed. The guess has been that a new record would be set in the US, where there are much taller trees than in Sweden and they have the helicopter lifts needed for lifting the giant log.

What no one expected was that a guy from Onsala in Sweden would break the record after having seen the first record plank hanging in one of Elmia Wood Fair’s exhibition halls in Jönköping.

“When I saw the plank, I decided to beat the record,” Anders Nykvist remembers.

He worked as a carpenter on the East Indiaman Gothenburg, and took part in making the floor timbers, which were sawn with the help of a Big Mill from Logosol.

”I knew how to do it, and a couple of years ago I bought a Logosol Sawmill,” Anders says.

But one Logosol Sawmill is not enough for breaking any world record. And furthermore, you need a tree of extraordinary length. Anders works with felling trees in a residential area, and he knew of some really tall and straight spruces in Tulebo, south of Gothenburg.

”I contacted the land owner, who probably thought I was out of my mind. But he gave me his permission,” Anders says.

Then, he put an ad in the local paper announcing that he wished to get in touch with other Logosol Sawmill owners who were interested in lending him their sawmills to take part in breaking the world record. The newspaper thought the idea was so funny that he was allowed to insert the ad for free. Some twenty Logosol Sawmill owners announced their interest.

When everything was pieced together, Anders contacted the record book, and they were interested in sending out a controller. The intention was that the preparations for the sawing should be made in good time, but when the controller phoned at the beginning of May in 2007, Anders had to skip that plan.

“It was a Friday, and he asked what I had planned to do the day after.



With the help of five other sawmill owners and a total of ten Logosol Sawmills, Anders Nykvist succeeded in breaking Logosol’s world record in the event ‘the world’s longest plank’. The new record is 38.9 metres (127.6 ft).



The record was broken sooner than planned. Due to that, this is one of the few photos that show the event. The press of the world did not make it in time.

He was in Gothenburg and thought that it was about time to saw the world’s longest plank,” Anders says.

He accepted the challenge, and the same evening he went out to fell the record spruce. The sawmill owners were contacted again, and at six o’clock in the morning, on Saturday the 12th of December, there were ten Logosol Sawmills and five sawmill owners at the site in Tulebo. Anders had prepared himself by cutting new aluminium profiles into lengths, which were then used for rebuilding the sawmills. He removed the lifting devices from the sawmills and joined the guide rails together. What was left was a 50 metres (164 ft) long guide rail, which was placed on the road, and then adjusted straight with the help of a string.

The tree was lopped and lugged out in the road with the help of a tractor and an excavator. It was placed on a number of garage jacks beside the guide rail. The preparations took four hours, and ten o’clock in the morning the sawing of the first slab began. The cut was taken deeply in the log so that the first board would come in the centre.

“We cut the slab in one metre (3 ft) long pieces to be able to lift it away,” Anders explains.

In the next stage, the log was lifted up with the garage jacks, and a four inch beam was cut out. The beam was then turned over, resting on the part of the log that was still lying on the garage jacks. After this another slab was cut from this beam, and finally it was time to cut the record plank.

“I wore out two chains before everything was finished towards evening. Since we had dragged the log on the ground, the bark was full of sand and dirt,” Anders says.

The plank was well over 39 metres (128 ft), but on the last part of it the measurement was not correct. The accepted part of the plank measured 38.9 metres (127.6 ft), which will be the new world record that Guinness book of records presents in the edition of 2008. And the record holder is Anders Nykvist.*

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