Fresh Cut

SPECIAL EDITION

LOGOSOL NEWS & CUSTOMER REVIEWS #2014/2015

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Safe Purchases and True Job Satisfaction

You can confidently choose LOGOSOL when you are going to work with wood. We have a solution and a price that suit most building projects. Our equipment gives you great freedom in realizing your dreams, no matter if it is a new terrace, a garden shed or your own business.

Wood processing is a profitable occupation, and to many people the interest goes deeper than that. Smelling the scent of wood, processing a log, which then becomes something lasting, this is something I wish many people got the opportunity to experience.

Having your own sawmill also reconnects you with the raw material. I myself am a forest owner and have the woods as my hobby. Your own estate becomes a place where you can experience great quality of life together with your family.

To me, it is the opportunity to process the raw material of the forest myself that awakens the real feelings of joy. On the family farm north of Örnsköldsvik in Sweden, I have a LOGOSOL Sawmill that I use for cutting the timber I need.

Since the start in 1989, we have sold over 25 000 sawmills and more than 10 000 planer/moulders. We also have over 25 years of experience as a market leader in the field of small-scale wood processing.

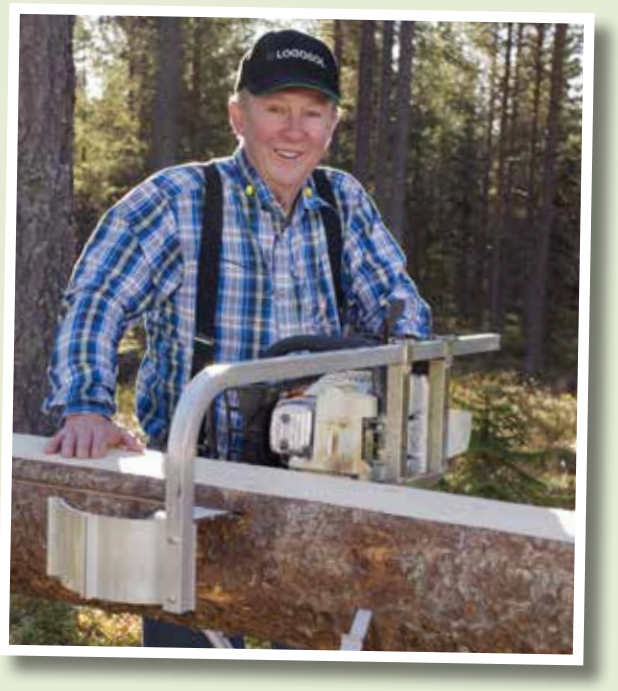
Customers all over the world have discovered the possibility of harvesting planks and boards from their own forests, and with time more and more efficient machines for small-scale wood processing have been introduced. The smaller sawmills have been joined by efficient band sawmills for forest owners who want to invest in more than just sawing for household consumption.

Today, our wide range of products extends up to industrial production. Each product is covered by a warranty package that includes generous warranties, support from skilled technicians, and machines that keep a high value.

If you are thinking of starting your own business, there are great opportunities if you choose to build that business with our machines as the core. A small company can offer unique wood products of high quality. We talk to many customers who run their own business within the field of small-scale wood processing.

With our products, you can manage the entire processing chain, from sawn board to cabinet work.

WELCOME TO LOGOSOL!



Bengt-Olov Byström,
Bengt-Olov Byström started LOGOSOL in 1989. The company is still owned by the Byström family, with its headquarters in Sweden.

Courses in Wood Processing & Joinery

In 40 hours you will have learnt how to build a house that will last for 300 years. In four days you will have built your own outdoor hot tub, which you can take home with you.

In Sweden, LOGOSOL is offering a wide choice of training courses within wood processing and joinery, e.g. window making, building an outdoor hot tub, sawing with the LOGOSOL Sawmill, planing/moulding with the PH260 and the SH230, machine joinery, and building log houses.

"Small-scale wood processing is a lot about realizing your dreams. A training course can be the first step," says Bengt-Olov Byström, LOGOSOL.

A LOGOSOL training course can be everything from one day to one week long. The advanced training courses in using LOGOSOL's own sawmills and planer/moulders are primarily aimed at customers who want to get started.

Take a LOGOSOL training course and build your own outdoor hot tub – and take it home with you.

Meet LOGOSOL at a Trade Show!

Meet LOGOSOL and test run our sawmills and planer/moulders. Each summer we go to large trade shows or small fairs all over the country. It is always nice meeting both old and new customers and show them our product news. Visit our website on www.logosol.com for up-to-date information, maps and road directions.

Welcome for a cup of coffee and a good offer!

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Logosol AB
Fiskaregatan 2
871 33 Härnösand, Sweden
Telephone: +46 (0)611 182 85
E-mail: info@logosol.se
Web: www.logosol.com

LOGOSOL

Brian recovered Walnut Trees with the Timberjig

JUST BEFORE CHRISTMAS IN 2012, Brian Stainton explained that the reason he was ordering a new bar and chain was to allow him to recover the timber from a large walnut tree which fell over due to a combination of wind and very wet ground.

There were a few sections with considerable rot where broken branches had let water in. With these removed the one section he had cut has shown just how beautiful the heartwood is.

He has always been impressed with his Timberjig and was really pleased with how well it worked on this tree with a 25 inch bar. The access was very difficult, away from the road and at the bottom of a steep bank.

For most of the last month the River Ouse has been well above its normal level with the area around the tree submerged. A chainsaw mill such as the Timberjig is probably the only way of harvesting it and watching the figured timber appear is sheer magic.

He is looking forward to cutting the 7 ft long main section of the trunk, the owner wants to make an occasion of it for her friends and neighbours. Not sure exactly how he is going to do it yet as it is too heavy to roll easily to use the Timberjig in the normal way and he may be ringing Logosol to order an even longer bar and chain in the next couple of days.

• *The Farmers M8 is ideal for all those who have trees to cut at home, and to the house-owner it is the same obvious investment as is the lawn mover. If you have access to a lot of trees, you have great opportunities to cut timber for all your building projects.*

World Premiere for the LOGOSOL Farmers M8 Model:

Experience and quality in every detail

The new Logosol M8 model is neater and more portable with all the functions necessary to do a really good job. The design, with a lighter saw carriage and 4-metre guide rail, makes the sawmill extremely flexible and easy to use.

The Farmers M8 is an excellent option when you want to saw your own timber for small or medium-sized building projects.

”This sawmill is perfect for me at my cottage where I don’t have very much room. It’s easy to use and simple to pack away. After felling a pine tree, I set to work sawing it up into boards. Then I spent a delightful holiday day constructing a wooden bridge that was needed over the brook that runs close to the plot,” explains Mattias Byström, product manager at Logosol.

SIMPLE TO ASSEMBLE, EASY TO PACK AWAY

It only takes a few minutes to set up or dismantle the sawmill, making it easy to store and transport. The Farmers M8 is ideal for all those who have building projects at home in the yard or at their summer cottage. It’s easy to transport between different locations, in the yard or out in the forest, and you can be up and running in no time sawing boards for your building projects

The Stihl MS391 is a suitable saw unit for the Farmers M8. It has a 3.3 kW motor and weighs 6.4 kg. It provides adequate motor power and is also superb for forest work and wood sawing. With the Stihl MS660, which is newly developed and tremendously powerful, sawing goes even faster.

UPGRADE AND EXTEND

”A self-locking system with clear scales and fixed sawing dimensions ensures exact timber dimensions. The sawmill has a robust design and is equipped with a more versatile carriage that follows the straight slab when sawing and can easily be lifted on and off. You can saw up to 3.8 metres with the basic unit; if you need to saw longer logs, the sawmill can be extended – as much as you want, in one-metre sections,” says Mattias Byström.

In addition to extensions, the sawmill can also be upgraded with a number of accessories. All accessories developed for the larger M8 model are compatible. From autumn a practical transport case will also be available.

Read more about the LOGOSOL M8 on pages 9 and 11!

Benefits of the Farmers M8

- Good value with all the functions required for sawing a log into planks.
- Just a few simple steps to dismantle the sawmill for transport or storage.
- All M8 accessories are compatible. The sawmill can be extended as and when you need.
- Electric saw, log moulder and feeder unit are all compatible.
- Manufactured mainly from aluminium alloy, a strong and lightweight material.
- Versatile lifting winches with log beds that can bear a combined weight of one ton!
- Fixed sawing dimensions in ¼” increments, enabling exact timber dimensions.
- Double log holders secure the log in the correct position.
- The sawmill can be configured with 2 metres between the winches for longer logs or 1 metre for shorter pieces.

Sustainable Product Development

LOGOSOL’s product development department ensures that your purchase becomes a long-term investment. The equipment you choose today can be supplemented with other machines and easily be upgraded with new accessories as your business grows.

“The guiding principle in our development work is that every machine from LOGOSOL should be able to be used and upgraded for many years ahead. This means that you, as our customer, always can improve and adapt your equipment when needed,” says Development Manager Mattias Byström, who together with his co-workers in the product development department makes sure that your LOGOSOL machine will be useful for many years to come.

“When you invest in a machine from LOGOSOL, it should be useful for many years ahead,” says product developer Jonas Höglund, here together with his colleague Erik Svennson (to the left).

• *The Tree Pusher from LOGOSOL ensures that the tree falls in the intended direction. See video on logosol.co.uk.*

Fell the Tree **SAFELY!**

Felling trees is a dangerous operation. This is shown in several reports on occupational injuries in the forestry sector. But an accident may occur even if you are only going to fell a tree at home in your garden. Now, there is the perfect tool, which makes both the woods and your garden safer worksites.

The unique Tree Pusher from LOGOSOL ensures that the tree falls in the intended direction. This is decisive for safety when you are felling trees.

“You should, of course, always have felling wedges at hand, but if you are unfamiliar with chainsaws or have trees that stand on places where there is risk that they fall on something, you can improve safety significantly by using a Tree Pusher. When felling, the Tree Pusher presses against the tree with a force of several hundreds kilos,” says Mattias Byström, product manager.

The Tree Pusher can also be used as a timber winch, for instance when loading logs.

”This combination gives you an unbeatable tool you can rely on both when felling trees and working with logs,” says Mattias Byström.

New Catalogue That Inspires

Order LOGOSOL’s product catalogue with the latest product news and loads of inspiring ideas for those who like to build with wood. The catalogue is crammed with pictures, technical data and step-by-step illustrations.
Order the catalogue free of charge on www.logosol.com

Built from the Ground up – Prepared for the Future

When building something new, you get the chance to do everything the right way from the start. Bengt-Olov and Christina have created a life together. In their hands remains the memory of every wooden moulding, every joint and brushstroke. The low-energy house they have built from the ground up is planned and organized for a shared future as active senior citizens.

"For us, it couldn't be better than this, and when you build it yourself you can get it exactly as you want," says Logosol's founder Bengt-Olov Byström as he puts his arm around Christina.

MOULDED SWAN NECK CORNICES

They moved into the newly built house just in time for Christmas in 2011, almost exactly thirteen months after the demolition of the old abandoned house that originally stood on the site. The building is part of Östanbäcken, a landmarked block from the 18th century, in the centre of Härnösand, Sweden.

The demolition and rebuilding have been done in consultation with both the local authorities and the county museum. When the house was to be painted, the town architect came to help them choose the colour.

"WE HAVE BUILT A HOUSE THAT WILL STAND FOR CENTURIES"

"To us it was important that the house fit into the surroundings. We walked around the block looking at the neighbouring houses and pondering, but no colour felt right. When we came back home Bengt-Olov took out a piece of siding he had saved from the outside of the old house. "We just looked at each other and said, there we have it," Christina remembers.

Today, the old piece of siding hangs in a place of honour in the hallway. A painting company produced the exact colour. The colour is best described as being at the same time green and blue, which proved to be a good combination with the white casings and corners of the house. Also the shape of the old outer siding became the pattern for the new version.

"To get the exact shape we ordered special moulding knives. Besides those knives, we have machined almost all swan neck cornices in the house using standard knives for the SH230 planer/moulder," says Bengt-Olov.

HOMEMADE GIVES QUALITY

The cooperation with the architect Anders Nyquist put focus on the environmentally friendly at an early stage. The conscious choice of environmentally friendly building technology and sustainable energy solutions has been a matter of course to both Bengt-Olov and Christina.

"We have built a house that will stand for centuries. This is an insight that gives perspective as regards to choice of building materials," says Bengt-Olov Byström, who has cut all timber for the siding on a Logosol sawmill and a Logosol-Laks frame saw.

"The small SH230 has paid off many times over during the construction of the house. To plane and mould yourself instead of buying finished products is a fun and economical way of enhancing the quality of a house. Having your own planer/moulder also opens up great opportunities when it comes to the design of the mouldings," says Christina Björklund.

• Tall rustic windows with deep bays and recessed spotlights are the pride of the house. The mouldings are made using the SH230.

• Profiled support brackets and moderate gingerbread work embellish the gable ends. The siding of fresh-cut timber dried quickly and could be painted in a beautiful bluish-green colour.

• With a SH230 in your building project, you can quickly produce the material you need.

• A simple staircase with moulded detailes and elegant lighting.

FACTS: LOGOSOL SH230

Planing width: Max. 230 mm
Planing height: Max. 52 mm
Moulding depth: Max. 15 mm
Speed of cutter head: 6000 rpm
Diameter of circular sawblade: 180 mm
Total output: 3.2 kW
Feed rate: 5 m/min.
Electrical connection: 3-phase, 400V, 16A
Weight: 87 kg

• Here is the home of Bengt-Olov and Christina, a low-energy house they have literally built from the ground up.

5 ENVIRONMENTALLY FRIENDLY SOLUTIONS

- Solar panels on the roof
- Recycling of the heat from the used hot water
- Recycling of exhaust air
- Cellulose fibres as insulation in the walls and the roof
- Led-lighting both indoors and outdoors

THIS IS WHAT YOU CAN DO WITH A SH230:

During the entire building project there was a SH230 on the site. ”Having your own planer/moulder opens up great opportunities”, says Christina Björklund. Here are some examples of what the pair used the planer/moulder for.

JOISTS FOR THE FRAMEWORK

SIDING & DECORATION

DOOR & WINDOW CASING

WINDOW MOULDING & CASING

SKIRTING BOARDS

CORNICES

WAINSCOT & PANELLING

STAIRS & HANDRAIL

BENGT-OLOV’S TIPS FOR NEW HOME BUILDERS

- **Make contact with a plumber at an early stage.** This part is particularly important to get right at the very start.
- **Make your own building materials if you have the possibility.** Economical and fun. Improves the quality of the entire construction.
- **Build sustainable for the future.** Environmentally friendly and adapted for all stages of life.

• Brush painted details and mouldings that have been machined in the SH230, add extra high quality to the house.

• In Sweden, forest owners are pleased with the profitability of forestry. But for the majority, the value of the forest is much more than just lucrative business. Their own estates become a place where they can experience great quality of life.

The Value of the Forest Grows When the Timber Is Refined by You

Let your forest become profitable today! The possibility of being able to process the raw material of the forest yourself, and get quick returns, have increased the interest in becoming a forest owner among the young. With your own sawmill, the idea of the forest changes from a long-term investment to a continuous source of income.

”Our customers become younger and younger, and it’s of course really positive when young people want to invest in forests,” says Bengt-Olov Byström, Logosol.

It is the small-scale solutions that appeal to the young generation.

Maybe it is a reaction to modern forestry, which uses more and more efficient and expensive machinery, at the same time as the sawmills are centralized. This progress is inevitable and in many respects positive, but the forest owners of today do not get the same contact with the end result.

”An increasing number of forest owners have discovered the possibility of making a profit on taking care of, at least part of, their forest themselves,” says Bengt-Olov Byström.

Profitability & Quality of Life

There are great benefits in processing your timber yourself, both when it comes to profitability and quality of life.

- **Profitability:** Even when felling small quantities of timber. For instance, when there are wind-fallen trees, processing the timber yourself is tha most profitable alternative.
- **Quality of life:** Many forest owners have their forests as a leisure interest. Their own estates become a place where they can experience great quality of life.
- **Happiness:** Felling a tree, and then building something lasting, is an amazing feeling.

Start Your Own Business with Logosol machines

Today, there are great opportunities for starting your own business within small-scale wood processing. Logosol has contact with hundreds of people who have small-scale wood processing as an important part of their income. In many cases, it’s their main occupation and they have our machines as the core of their business.

WHAT HAVE YOU ORDERED?

Fresh Cut contacted a LOGOSOL customer to ask him what he had ordered and why:

Conny Lagergren, Fränsta, Sweden, has recently ordered a PH260.

1. Why did you choose to buy from LOGOSOL?
I have followed this company since the start and have seen that the products are of high quality. The Fresh Cut magazine with its reports, stories and tips, has also helped me see the wide range of applications of the machinery.

2. Have you seen the planer/ moulder in real lilfe or on video?
I have seen the planer/moulder both on DVD and at a visit at the company in Härnösand.

3. What are you going to use the planer/moulder for?
My family is interested in being able to further process the timber from our forest and we see the purchase as an investment for the future. The planer/moulder became interesting because we are renovating a farm from the 1700s. Now we can produce our own mouldings and casings with original profiles, and much more!

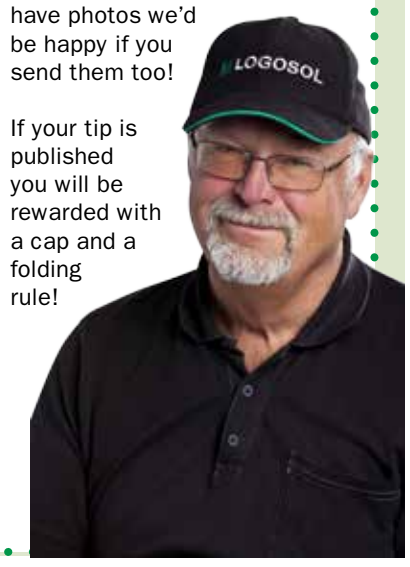
GIVE US A TIP – GET A LOGOSOL CAP!

We are always looking for good stories that are wood-related.

We are interested in both big and small projects!

Email your tip to: katarina@logosol.se. If you have photos we'd be happy if you send them too!

If your tip is published you will be rewarded with a cap and a folding rule!



• Dave Barnes runs a sawmill in Arkansas that goes under the name Arkansawyer. The four-sided planer/ moulder PH260 is an important part of his assembly of machinery.

Unpacked the Machine – Made Money Right Away

The day Dave Barnes in Arkansas unpacked his newly bought planer/ moulder from LOGOSOL, he made $1000.

"We opened the box and immediately started to make money. The first job was to machine a large lot of cedar for the ceiling of a resort," says Dave, who has increased his sales considerably after the investment in the four-sided planer/moulder PH260.

Dave Barnes runs his sawmill in Arkansas under the name Arkansawyer. With his small-scale business, he fills the void after the large sawmills that once dominated the district. The industries were closed down, one by one, and today it has become more important to find profitability in unique products than to produce large volumes.

INCREASED TURNOVER

The four-sided planer/moulder PH260 has become an essential part of the assembly of machinery, which also consists of a small band sawmill. The planer/moulder has increased the turnover, right from day one.

"Our first job was to machine a large lot of cedar. We opened the box and the machine stood on the shipping pallet during the entire job," says Dave Barnes.

UNIQUE PRODUCTS

Today, the sawmill produces flooring, doors, posts and panelling. There is a growing demand for unique products, which may well show traces of discoloration and wormholes.

"Many customers want something special. Right now, there is a great interest in blue discoloration, that is timber with a bluish defect, which would normally be sorted out. By running such timber through the planer/moulder, I get a very lucrative product," says Dave Barnes, who has plans to expand.

His opinion about the PH260 is clear.

Quick installation and resetting have been crucial for profitability. I really appreciate the versatility of this machine. It does a great job at a good price," says Dave Barnes.

FACTS: PH260

The PH260 planes and moulds all four sides in one operation. You can easily produce all imaginable kinds of mouldings and panelling.

Timber dimensions
4-sided machining
Width: 15-260 mm
Height: 10-100 mm
2-sided machining
Width: 300 mm
Height: 10-230 mm
Planing
Width: 410 mm
Height: 230 mm
Electrical system
Total output: 12.2 kW. Electrical connection: 3-phase, 400 V, 16 A
Feed
Standard: 2-12 m/min
Optional: 4-24 m/min

SURVEY: THIS IS MY FAVOURITE MOULDING KNIFE!

What moulding knife is your favourite? We asked some experienced planer/moulder users.

Tommie Johnsson, Tj Planing & Joinery:
"My favourite is custom-made. I get a sample piece from the customer, and after 1–1.5 week I have the knife in my hand and can start moulding. Many people who are renovating want to have the same mouldings that already were in the house, and you don't easily find that in a normal DIY store.

Berth Olsson, Cabinet-maker:
"To begin with, I have to say that index-able inserts are the absolute best when you are planing. A great buy that ensures that you always have sharp knives. When it comes to moulding knives, I'm fond of roundings and 45 degrees bevels.

Bengt-Olov Byström, Fonder of LOGOSOL:
My favourite is the 40 mm swan neck moulding. This profile has a very simple pattern, and is suitable for most indoor joinery. I have used is both as skirting boards and casings.

New Possibilities with a Fifth Cutter Head

With the LOGOSOL PH365 you can machine complex profiles in one operation. This machine is the same as the large four-sided planer/moulder PH360, but the PH365 is also equipped with a unique fifth cutter. This combination gives you completely new possibilities when it comes to professional woodworking. As optional extras, there is a wide range of tools available such as brushes and sanding rollers for an extra fine surface finish.

• *PH365's additional cutter head is developed from LOGOSOL's vertical milling machine MF30.*

"LOGOSOL PH365 saves time and gives competitiveness to your business. You can manage complex wood processing of all possible kinds of wood, " says Mattias Byström, product manager at LOGOSOL.

The additional cutter head is developed from LOGOSOL's vertical milling machine MF30. It differs from everything else on the market by being able to be tilted through 270 degrees. This means that you can machine the workpiece from below, from the side or from above. The machining is done with a conventional cutter with planing or molding knives or with a high-speed spindle for endmills.

"You work efficiently with quick settings. With the PH365 you can produce elaborate products in one operation," says Mattias Byström, and mentions material for window making as an example.

Most of the tools for the vertical milling machine MF30 are also compatible with the PH365. See the whole range of moulding knives, sanding rollers and brushes in LOGOSOL's Tool Catalogue!

• *With the five-cutter planer/moulder LOGOSOL PH365 you can produce complex profiles in one operation.*

The Way to the Soul Is through the Hands

Helge Johansson has worked with people all his adult life. Several times, he has seen what makes life worth living. "Often, the way to the soul is through the hands," he says.

More than four years ago, Helge and his wife Elisabeth moved out into the country. They bought a small farm in Tarabo, outside Vårgårda in Sweden. With the farm came 20 acres of forest.

"The widow who owned the farm hadn't done anything with the forest for 35 years. it was like walking right into a wall," says Helge, who bought both a brushcutter and a chainsaw.

Even though he has worked with his head, he is really handy. The Johansson couple had renovated several houses, so they were no strangers to manual work.

But their experience of forestry was limited, or rather none at all.

FACT: LumberMate LM29

Effective sawing length: 4.9 m
Extensions: in sections of 1.2 m
Width: 1.90 m
Length: 5.50 m
Weight: approx. 400 kg
Band wheels: 47.5 cm x 2.2 cm
Max. log diameter: 72 cm
Max. cant width: 55 cm
Last board: approx. 25 mm

MANAGE BY YOURSELF

At first, the fruits from the clearing and thinning became firewood. But some of the wood that ended up in the woodpile was of such quality that it should be sawn the other way and become timber.

Helge likes working with his hands and was tempted by the idea of sawing the logs into planks and boards.

"I don't like to be at a loss, but want to manage most things by myself," he says.

After having probed the market, he decided on the LOGOSOL-Norwood band sawmill ML26, the smaller model with electric drive. It is a straightforward and reliable machine, and when the delivary came, expectations were at their peak.

Initially, it was installed up in the hayloft in the barn. The firs logs were sawn out of curiosity, then of pure job satisfaction, and only then it was done with an eye to building something of the timber.

The first building project was a saw house of the more elaborate kind. It lacks the traditional loading of logs. It looks more like a big double garage. To the right is the sawmill, firmly bolted to the concrete floor. To the left, there is lots of room for backing the timber carriage in. Helge has made his own log beds, which are placed between the carriage and the sawmill. With them in place, you can just roll on logs on and start sawing.

• *Helge Johansson immediately invested in a bit larger sawmill, a LOGOSOL ML26, which has lived up to expectations.*

Footnote: ML26 is now called LumberMate LM29.

PARTY IN THE SAW HOUSE

But before the sawmill moved in, a big family party was arranged. It was such a success that family and friends have announced that they would like to have a new party in the same builidng.

"No problem. We push the saw unit to the side and build a table over the rails, says Helge.

Several times, we have written that sawing has a beneficial effect on the soul. But why do you feel so good from sawing? Helge Johansson has worked within the psychiatric field and should know the answer.

"You feel happy about yourself. That's all there is to it, he answers.

So far, he has with pleasure sawn about 100 logs. And it will be more.

“I have dreamt of this floor for over 20 years,” says Björn Einarsson, who sawed it on a Logosol Sawmill M8. In the greater part of the house, the vinyl flooring will be replaced with wooden.

Sawed and Planed Dream Floor from His Own Forest

Many people dream of real pine flooring of wide wedge-shaped boards, treated with linseed oil soap. Björn Einarsson was not satisfied with just dreaming. He sawed and planed his own flooring, which is now put down in his kitchen. “It will be pine flooring in the greater part of our house,” he says.

Björn is a carpenter and an active forest owner in the village Fageråshöjd north of Karlstad in Sweden. He runs a farm that has been in the family since 1796. The present dwelling house was built in 1862 and has been renovated several times. The last time was 20 years ago.

“At that time, the children were small and we hadn’t the possibility of renovating the way we wanted. We used chipboards and vinyl flooring,” says Björn.

THE M8 IS BETTER

But already then, he and his wife Carola had a plan for the next renovation. It would be really wide, wedge-shaped pine boards as flooring throughout the house. The raw material for the flooring was found in their own forest. Björn bought a new Logosol Sawmill, an M8 extended with a half sawmill and the largest electric saw unit E8000.

“It’s good that the M8 is narrower, it doesn’t take up much space, but at the same time it feels stable,” says Björn.

The most large-sized pines, up to 50 cm at the root end, ended up on the log table. From them he cut over 6.2 metre long, rough-edged boards, which were put for seasoning in his homemade wood kiln equipped with a drying unit from Logosol.

”The kiln is over one metre longer than recommended, but is of less volume, so the drying unit is more than sufficient,” Björn explains.

HOW THE FLOORING WAS MADE

In the next step he cut the edges using a handheld circular saw and a guide rail. The floorboards were cut to 1.5 inches, which means 38 mm thick boards. They were first planed on top, and then underneath so that the final measurement was 30 mm.

Back in the old days, flooring was planed by hand. Considering the width of the boards, this could have been the only alternative for Björn. The widest board is over 400 mm at the root end, and that takes a special planer/moulder. However, Björn has the right equipment, a Logosol PH360 four-sided planer/moulder.

“I removed the side cutters and could use the whole 510 mm wide top cutter,” Björn explains.

Instead of making tongue and groove, he only cut grooves in the sides of the boards with a handheld slotting cutter and then conjoined them using loose tongue joints.

A DREAM SINCE 20 YEARS

At the same time he has extended his house with 50 square metres on two floors. In the new part there is a big kitchen, in which the pine flooring has been put down. More timber is being seasoned, and the plan is to replace the chipboards and vinyl with pine flooring in the greater part of their house.

Wide floorboards do not require as much prep work. In the kitchen, Björn has fitted joists that are 50 x 50 mm on a concrete slab. The distance between the centres of the joists is 600 mm. Between the joists lies groove milled styrofoam with underfloor heating. There is not a shred of springiness in the floor.

There are some manufacturers of wide pine floorboards in Sweden, but Björn states that buying ready-to-use flooring costs as much as the entire investment in machines. In addition, he will make mouldings, panelling and other wooden parts for further renovation.

“If you only have the right equipment, it’s not hard to make your own flooring. In addition, it’s fun,” says Björn Einarsson, who finally has got the floor he had dreamt of for over 20 years.

FACT: LOGOSOL PH360

PH360 planes and moulds all four sides in one operation. You can easily produce all imaginable kinds of mouldings and panelling.

Timber dimensions
4-sided machining
Width: 360 mm
Height: 10-160 mm
2-sided machining
Width: 410 mm
Height: 10-230 mm
Planing
Width: 510 mm
Height: 230 mm

Electrical system
Total output: 16.25 kW (22 hp)
Electrical connection: 3-phase, 400 V, 32 A

Feed
Standard: 3-15 m/min
Optional: 6-30 m/min

• *Now, Björn Christiernsson has bought another sawmill from LOGOSOL to produce beams of the right length for the construction of the family's self-designed house.*

Björn Sawed the Timber That Was Not Available to Buy

Björn Christiernsson needed seven metre long beams for building the family's new house, but there was no such thing to buy in the commercial timber yard. Instead he bought an extended LOGOSOL Sawmill, and cut the timber to the right lenght for the project.

"The longest solid wood beams you can buy are 5.5 metres," Björn says to explain why he decided to saw the timber himself.

Björn is famous in Sweden for being the carpenter on a Swedish TV show, where they renovate and alter homes. Since earlier, Björn owns a Big Mill Timberjig, with which he has cut quite a lot of timber. He also shares a LOGOSOL Sawmill with his realtives on an island in the province Sörmland in Sweden.

BOUGHT HIS OWN LOGOSOL SAWMILL

Besides the carpentry assignments on the Swedish TV show, Björn and his partner Karolina Heuren were planning the construction of the house of their dreams, a self-designed house outside Stockholm. The construction would require a great deal of sawing, in all, 150 metres of beam made of spruce, the longest more than seven metres long.

Sawing on the island and then transporting the beams through the city of Stockholm was not tempting. The solution was to buy their own LOGOSOL Sawmill, an extended M8, which will stand at the worksite and be used for sawing all sorts of timber for building the house.

A MODERN HALF-TIMBERED HOUSE

This will not be a commonplace house. Basically, it will be two buildings laid in a cross. The ceiling will go all the way up to the ridge, and on the outer walls visible collar beams will run. The largest free length will be seven metres. The walls will be built of lightweight concrete blocks that then are plastered. The façade will also have standing wood beams. It will be what you could call a modern interpretation of a half-timbered house, with large window areas.

"We have received help from a friend who is an architect. We gave the design the finishing touches on a computer," says Björn, who has had time to get familiar with the family's future home virtually.

SAWMILL AT THE CONSTRUCTION SITE

With a sawmill on the building site, you can supplement with wooden details, without going to the timber yard or caring about what is available on the shelves. Should Björn come up with the idea that some additional beams or an area of rough-edged siding boards would do the trick, he can just start his LOGOSOL sawmill and cut what is needed.

FACTS: Logosol Sawmill M8

Weight: 65 kg (without saw unit)
Length: 5.5 m as standard. Easy to extend.
Width: 0.6 m
Distance between log beds: 2 m
Log diameter: Up to 60 cm with the possibility of cutting even larger logs.
Log length: 5.2 meter as standard, but can be extended to any length.
Sawing capacity: 3–4 logs an hour.

Embellish Your Garden with easily built flowerbox

Inviting wooden flower boxes adorn the entrance of the LOGOSOL store in Härnösand, Sweden. The boxes were made by Helene Sjölander and Michael Nordlander before this summer's Open Day. The model is stackable, which can be useful when your garden is to be cleaned and tidied for the autumn.

Material: untreated spruce
Timber dimensions: 22x95 cm
Time: approx. one day
Machinery: crosscut and miter saw, SH230 planer/moulder

This is how you build the flowerbox:

1

• *We started with cutting the timber with a crosscut and mitre saw.*

2

• *The legs were made bevelled before we nailed the pieces together. (Using screws works just as well.)*

3

• *As cover boards, we used the same planed boards as we used for decoration.*

4

• *The pieces are assembled. The box can be made both wider and higher, according to your preferences.*

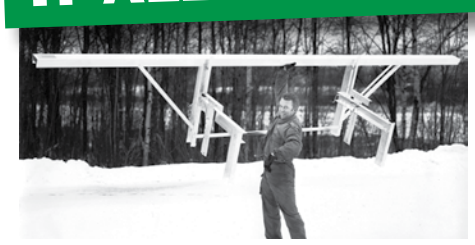
5

• *The inside was covered with plastic that was perforated in the bottom.*

6

• *The decoration was machined in the SH230 planer/moulder. The moulding was cut in four equal pieces, which were then cut at 45 degrees angles and then put together.*

IT ALL STARTED WITH A SAWMILL...



Bengt-Olov Byström starts LOGOSOL, with the portable, chainsaw driven LOGOSOL Sawmill as the only product.

1989

Cooperation was established with the German chainsaw manufacturer Stihl, which also includes the LOGOSOL Sawmill in their range of products.

1992

LOGOSOL sets the first world record in sawing the longest plank. Today's record is held by a customer who has conjoined several LOGOSOl Sawmills.

1993

The first planer/moulder is launched by LOGOSOL and LOGOSOL won a growth award from the Minister of Industry in Sweden, Per Westerberg.

1994

A Boost for Wood Processing

• *LOGOSOL was started by Bengt-Olov By daughter Katarina. Over the years, both his g*

Being able to saw high quality joinery timber from his own forest, was the incentive for the inventor Bengt-Olov Byström when he developed the LOGOSOL Sawmill. This portable system opened up for small-scale wood processing all over the world. Since then, inventive joy and the desire to find innovative solutions within this line of business have paved the way for the success of the family business. Today, there is a wide range of machines and tools available for the entire processing chain, from newly sawn planks to professional wood products.

The LOGOSOL Sawmill was introduced to a larger audience for the first time at the Elmia Wood trade show in Jönköping, Sweden in 1989. it attracted lots of attention within the trade. Orders came in and Bengt-Olov Byström started the company LOGOSOL with the LOGOSOL Sawmill as its only product.

COOPERATION WITH STIHL

The first LOGOSol Sawmills were made by the BYström family in their recreation room at home. The first challange was to develop the home-made sawmill into an industrial product. Another challange was to find a sufficiently strong chainsaw. Here, LOGOSOL got help from unexpected quarters. Hans-Peter Stihl, main owner of the world's biggest chainsaw manufacturer became fond of the LOGOSOL Sawmill at first glance. His commitment gave concrete results. A saw chain adapted for log sawing was designed and Stihl's international organization included the LOGOSOL Sawmill in its range of products.

The petrol chainsaw is still the best alternative for portable sawing, but today the LOGOSOL Sawmill can also be equipped with an electric saw unit and become a stationary, backyard, high capacity sawmill. For production of log house timber, there is also a log moulder. Ever since the start, LOGOSOL has had good help from devoted customers and employees when it comes to improving existing products. Together with selected suppliers, several pioneering product lines within small-scale wood processing have been developed.

For example, the planer/moulders and the joinery machines are manufactured by Moretens Machinery in Östersund. Today, these are sold under LOGOSOL name. A similar cooperation is the band sawmill of Canadian design, which has been adapted to European conditions by LOGOSOL. The manufacturer Norwood has, on their part, begun selling the Swedish products.

SELLING IN OVER 65 COUNTRIES

In 25 years, LOGOSOL has gone from being a manufacturer of one sawmill, to being the hub of a growing international network. LOGOSOL companies that sell directly to the customer exist e.g. in Norway and Germany. Other important markets are France, Russia and the UK.

... AND GREW INTO A GLOBAL STORE!

LOGOSOL begins cooperate with the Canadian band sawmill manufacturer Norwood.

2007

LOGOSOL grows and gets a new CEO. Malte Frisk in front of the head quarters and store in Härnösand, Sweden.

2010

Premiere of the LOGOSOl Sawmill M8, which was designed in close cooperation with sawmill customers all over the world.

2011

The world's first wooden flooring with double eco-labelling is produced with LOGOSOL machines and exhibited by Kährs.

2012

LOGOSOL cuts the first FSC certified log in Sweden. The giant log from Brazil was sawn on the Elmia Wood trade show.

A great interest from the media when LOGOSOL opens their USA office in Madison, Missisippi, with among other things a world record in sawing.

Just in time for the 10-year anniversary, a mobile stack cutter for precision cutting of timber packs.

A sawmill in your shopping cart! An Internet store for small-scale wood processing is opened on www.logosol.se.

1997 **1998** **1999** **2004**

yström in 1989. Today he runs the company together with his sons Joakim and Mattias, and his grandchildren and inlaws have become involved in the business.

• The LOGOSOL Sawmill has received five stars. This recognition is expected to be of great importance to the product, which during 2014 is celebrating its 25th anniversary with a new model.

A 25th Anniversary Gift from Wood Magazine

Five stars out of five. That was their rating when Wood Magazine tested the Logosol M8 for the February/March 2014 issue.

The American magazine Wood is one of the world's most popular woodworking magazines. The principle of the magazine, that tools and machines are tested and evaluated by knowledgeable editors before publishing, gives its content extra credence.

The LOGOSOL Sawmill was tested with a chainsaw in a forest environment. In the text the Design Editor John Olson describes how he saws up a log, step by step. In conclusion, he gives the sawmill top marks for design and performance.

• John Olson tested the LOGOSOL Sawmill for Wood Magazine. The sawmill was awarded five stars by this respected editor.

"We are naturally extremely pleased with the review. He includes the sawmill's strong points, that it is light and portable and also easy to use, with log ladders that raise the log to working height," says Malte Frisk, CEO of Logosol.

Read the whole review on www.woodworkingproject.com

The planer/moulder PH365 with a unique fifth cutter is launched. This machine can produce elaborate profiles in one operation, and it opens up completely new possibilities for professional wood processing. As accessories there are, among other things, brushes and sanding rollers for an extra fine surface finish.

2013

Just in time for the 25th anniversary, a new model of the LOGOSOL Sawmill is introduced. The Farmers M8 is a really good sawmill with well-balanced details, perfect if you want to saw your own timber. This affordable model completes LOGOSOL's product range for chainsawing.

2014

At OscarsHus windows are manufactured with inspiration from skilled craftsmen from of the past. With pine heartwood, linseed oil paint and wooden dowels the result becomes both beautiful and durable.

Reliable Craftsmanship with Modern Machines

As a newly qualilfied craftsman, Per Blomqvist worked with restoring old windows of pine heartwood from the 1700s. In most cases it was windows that had been in use for centuries, but only required scraping and repainting. Today, he reproduces the same kind of windows, a genuine craftsmanship that combines well-tried methods and materials with modern tools and machines.

"One of our jobs was to restore the windows in a manor that Carl Linnaeus visited during his Scanian expedition. The outer window frames were from 1740 and the inner frames were replaced in 1910. Most of the wood was in perfect condition," says Per Blomqvist, who used to work as a computer consultant before he was trained as a window maker and started his own business within window restoring and building conservation.

The restoration commissions became inspiration for his own production. Per Blomqvist started to manufacture windows according to the old models. The demands made him switch up the business to a limited company, OscarsHus and began employing a staff. The hobby machines were replaced by LOGOSOL's jointer/planer H410 and the vertical milling machine MF30.

"Window making requires good machines since you use pine heartwood, which is tougher to process," says Per Blomqvist, who is happy with both the quality of the machinery and the price tag.

"Logosol's jointer/planer and the vertical milling machine MF30 are perfect machines for making quality windows," Per Blomqvist thinks.

TIP: MANUFACTURING IN OLD STYLE

THE RIGHT TIMBER
Choose pine heartwood from first-rate timber. The first-rate timber is from selected pine butt logs with a high amount of heartwood. The heartwood is naturally impregnated.

THE RIGHT MACHINERY
Pine heartwood is tougher to process and requires machines of high quality. Per Blomqvist has chosen LOGOSOL's jointer/planer H410 and the vertical milling machine MF30.

THE RIGHT PAINT
Per Blomqvist recommends linseed oil paint, because linseed oil paint ages from the outside in. When the surface begins to be dull and patchy, it is time to repaint. When acrylic paint starts to crack it can be too late.

THE RIGHT PANES
Hand-blown glass is still produced. There is also machine-made old-style panes with similar qualities. The slightly wavy glass refracts the light, which makes it spread better inside the house.

IMPORTANT DETAILS
Preferably use weather strips of flax and paper strips like in the old times when sealing the windows. It is the detail work that makes the difference when you want to produce quality windows of old style!

Bailey's CEO Likes Working with Wood

"When you have a PH260 you find valuable timber everywhere"

"It's a quick, nimble machine, and it produces material of the highest quality," is Nik Bailey's opinion as regards LOGOSOL's four-sided planer/moulder PH260. Nik Bailey is the CEO of Bailey's, a major supplier of LOGOSOL products in the USA. The majority of the mouldings in the office of the company in Woodland are machined in the four-sided planer/moulder PH260.

Almost 15 years ago, Nik Bailey bought a four-sided planer/moulder PH260 for his family farm in Laytonville, California. Today, he delivers LOGOSOL machines to customers all over the USA, as the CEO of the family business Bailey's.

Bailey's is one of the biggest mail-order companies within wood and forestry in the USA:s, and they are a major supplier of LOGOSOL products.

HANDPICKED ASSORTMENT

Nik Bailey runs the family business, which was started in 1975. Even then, the products were handpicked based on own experience. His grandparents came to northen California during the 1950s to work at the sawmills. When Nik was born, his parents were living in a small trailer in Mendocino County, where his father Bill was working as a timber faller.

"We moved to where the there was work. But then my father had an accident. He couldn't continue working in the woods, but he didn't want to leave the industry he knew so well," says Nik.

The accident made Bill Bailey and his wife Judith start a company with supplying foresters with good tools as business concept. Bailey's sold chainsaws and rugged work clothes, primarily to loggers who would disappear for weeks at a time into the woods to ply their trade.

Bailey's still supplies gear to loggers. The cooperation with LOGOSOL has widened the product range furtther with planer/moulders and portable sawmills.

SAUNA OF REDWOOD

The Bailey family owns a forest estate near Laytonville where Nik tests the products before they are included in the product range. The assembly of machinery includes a four-sided planer/moulder PH260.

"When you have a PH260 you find valuable logs everywhere," says Nik and mentions his own sauna project as an example.

"It was kind of a unique situation. We had access to some salvaged redwood logs from a nearby property. The logs were probably cut around the turn of the century and were less than perfect, so they were left behind. There were lots of short logs with big knots and broken pieces, and some heart rot. We milled them and then processed them further with the Logosol PH260 moulder," says Nik.

The short redwood logs became perfect material for a sauna.

"The timber got a completely new value when is was run through the planer/moulder, says Nik, who sees big opportunities when it comes to LOGOSOL's products in the USA.

• The frequently used sauna at Bailey's is built from several sorts of wood, among others redwood.

• The beautiful ceiling in Nik's office is machined in the LOGOSOL PH260.

LOGOSOL Edition: PH260 Eco

A New Backyard Machine with Unique Advantages

LOGOSOL introduces the PH260 Eco – a unique four-sided planer/moulder available in a new price range.The functions of this machine are suitable for most building projects. PH260 Eco is also an excellent choice if you need a really good machine for making flooring, moldings and paneling for your own consumption.

"This model is specifically developed for LOGOSOL customers. We know that the functions of the machine are more than adequate for the majority of the planer/moulder customers we have today," says Malte Frisk, CEO at LOGOSOL.

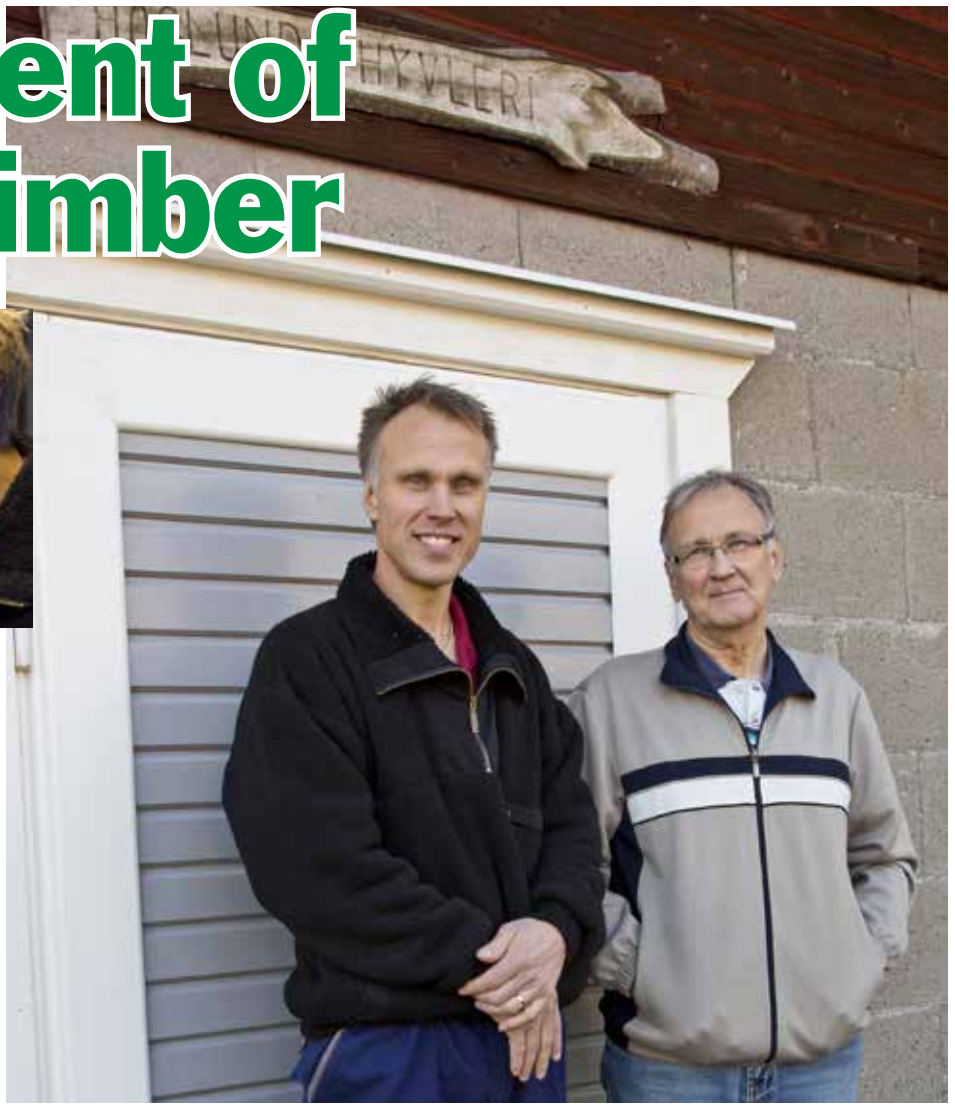
The PH260 is the most sold four-sided planer/moulder in the world. The capacity and capabilities of this machine have impressed both large planer mills and choosy professional carpenters. Its basic functions, the ability to machine four sides, easy operation, quick mounting and adjustment of knives, and an unbeatable range of moulding knives, are all features included in the PH260 Eco.

"Our basic idea is to make a really good machine available to even more people. This is entirely in line with our aspirations to always give our customers' investments the highest possible value," says Malte Frisk.

Enjoying the Scent of Newly Planed Timber

On weekdays, he works at one of Sweden's biggest companies within subcontract planing and moulding, but when Mikael Höglund has his choice of machine, small-scale is his motto. At home on his farm, he and his father have built up a planing and moulding mill with the capacity to realize both his own dreams and his customers' requirements of special mouldings.

• *Father Jerry often builds together with his son Mikael Höglund. A large part of his life in retirement is spent working in the planing and moulding mill.*



• *Welcome to Höglund's planing and moulding mill! Mikael and Jerry Höglund share a keen interest in wood.*

"I bought the machines when I was in between two jobs, but then I was employed full time. And now I try to get everything done at the same time," says Mikael Höglund, who lives with his wife and two children in the village Grämesta, south of Kramfors in Sweden.

The farm lies on a hill with a beautiful view of the Ångerman River. Mikael's parents-in-law still live there, and his father Jerry often stops by. Up to now his father has been the one responsible for plenty of the planing and moulding.

CUSTOM-MADE MOULDING KNIVES

Höglund's planing and moulding mill is located in the old barn. The machines stand on either side of the former manure gutter. It is a LOGOSOL SH230 and LOGOSOL's largest four-sided planer/moulder.

"At first, I mostly produced joinery materials for the farm, but now I have also taken on external jobs when there is time available," says Mikael Höglund.

It is usually a question of small, unique lines of mouldings. On the wall where the moulding knives are hanging, there are several custom-made profiles.

At work, he is used to handling considerably larger and faster machines. TräTeam is one of the biggest companies within subcontract planing and moulding in Sweden. Here, the annual production is about 90 000 cubic metres. In two production lines building materials are made for the Swedish company SCA.

In comparison with the four-sided planer/moulder home on the farm, this is quite another level of capacity. The planing/moulding machines Mikael operates on weekdays weigh several tonnes, the timber is fed 50 times as fast and their footprint would fill a large part of the barn.

"You can't really compare them, even if the functions are the same and the end results are equally good. An industrial planer/moulder would be more or less useless in a small-scale business, PH360 suits us perfectly," says Mikael Höglund.

A PASSION FOR WOOD

As many other LOGOSOL customers, there is no lack of building projects or ideas when Mikael Höglund tries to forecast the future. Instead, it is time that is scarce when the full-time job is to be combined with family, farm and forest. How do you find the energy to start up a planing and moulding mill in this situation?

"Above all, I am driven by a passion for creating with wood. And then, there is something special with the scent of newly planed timber," Mikael Höglund answers.

• *Bengt-Olov Byström and Jerry Höglund at the wall with moulding knives. Several custom-made knives produced after customers' original pieces are hanging on this board.*

A Rounded Sauna Dream

A cylinder-shaped sauna with elegant armrests and backrests of aspen wood. Mikael Höglund used the "outdoor hot tub" moulding knives from Logosol when building the sauna of his dreams. But instead of laying it down, he let the sauna "barrel" stand on end. Now the family hopes that it soon will be ready to use, and Mikael sees the project as a prototype of a self-developed product.

• *The furnishing in the cylinder-shaped sauna is made of smooth aspen wood. The creater Mikael Höglund looks forward to testing and developing his product.*

• *Exhibition of Mikael Höglund's sauna, which has been made with hot tub moulding knives.*

"The basic idea was to build the frame of spruce, but when I visited the Nolia trade show I discovered that many sauna builders use pine, and I thought 'So be it'. In addition, pine smells so good when you plane and mould it," says Mikael Höglund, who has used his four-sided planer/moulder PH360 for his project.

The cylinder-shaped sauna will be a decorative element on the farm. When Fresh Cut visit Mikael, the sauna has newly been treated with transparent woodstains and will soon get its custom-made windows. The rounded shape is echoed in the elegant furnishings. The backrests are beautifully rounded and the aspen wood gives a smooth surface.

"I felled the aspen four years ago in my own forest. I cut boards form the logs, and now they came in handy," says Mikael Höglund.

The Most Special Gifts are Made by You!

Watch instruction videos and download free drawings on nysagat.se

Without question, making furniture or windows can be both fun and profitable, but the joy you are rewarded with when making a nice toy for a child is of an entirely different kind. Both when making it and when giving it away!

Together with the cabinetmaker Berth Olsson we can offer you drawings for free download. To go with the drawings there are instruction videos in which Berth shows how you make robust and environmentally friendly toys.

CLASSIC ROCKING HORSE
The nice rocking horse is guaranteed to be a favourite. Make the perfect toy that will be loved and last for several generations.

OLD-TIME SLEDGE
Build an old-time style sledge. This model is extra stable and designed for making it possible for children to ride on it on snow.

• *Lars Nyberg is a devoted hobby joiner. The source of all cupboards, shelves and furniture is a Timberjig, LOGOSOL's smallest sawmill.*

Woodworking with His Own Timber

Swedish Central Bank Deputy Governor, Lars Nyberg, likes to work with wood in his leisure time. His favourite tool is a Timberjig from LOGOSOL. From one single tree he can make several cupboards and other joinery work that decorates his cottage in the Stockholm archipelago.

"When I write down numbers, they are interesting for a couple of days, at the most for a month. After that there are few people who remember them. When I build a cupboard, it gives a lasting result, something tangible that provides joy for many years, säger Lars Nyberg.

Parallel to his career as an ecenomist, he has spent his leisure time doing woodwork. More than 40 years ago, the family bought a plot of land in the Stockholm archipelago.

"The first 25 years, we were building a house, and the last 15 years we have been doing woodwork," says Lars, who has made a small, but well-planned woodworking shop.

Sawing timber himself, had for a long time been a dream.

"Imagine being able to fell a birch, turn it into a cupboard, and then be able to link it to a certian stump," säger Lars Nyberg.

For this purpose, LOGOSOL's smallest sawmill, a Timberjig, was purchased. From one single birch he can make both cupboards and other woodwork.

"Even though the island is small, there are intresting trees here. Besides, people on the neighbour islands know what I occupy myself with, and they call me if they have felled something of interest. Then I come and get it," says Lars Nyberg, who dries his sawn timber in a Sauno wood kiln.

FACTS: Big Mill Timberjig

The basic package includes: 1 Timberjig, which fits the majority of chainsaws that have two guide bar bolts.
Recommended bar length: 40-50 cm
Log diameter: Max. 60 cm

We also have accessories for cutting extremely large-diameter logs. Call LOGOSOL to get the right equipment for your project. The Big Mill manual is available for free download on www.logosol.com.

• *The timber awning in place, in Härjedalen, Sweden.*

Build a wood awning

To many people the awning is just as important as the caravan. Here, pleasant holidays are spent, even if it is raining. But during the winter, the awning is not so cosy.

Anders Westman in Härnösand, Sweden, parks his caravan in Härjedalen every winter. In the last few years, a new kind of awning has appeared on the camping site.

"It's awnings made of wood. You drive the caravan close up to it, and connect it with a lock," Anders explains.

Preferably, you build such a construction yourself. Anders has built his during last summer, and was finished at the beginning of September, when the nine square metre, painted cabin was loaded on a standard car trailer and transported to the mountains.

This was such an exciting project, that Anders was offered to build the wood awning on the front yard of LOGOSOL. The entire building project, from sawing and planing of the timber to siting in the mountains, has been recorded in a short documentary. The "awning" is a sturdy building, made by using the Linus System, ready-made templates from LOGOSOL for making the corner joints when plank timbering. The building has electricity laid on, both indoor and outdoor lighting and a fireplace. Heating the cabin does not take long – and there it is, the cosy awning of the summer, now in the middle of the snowstorm.

• *The wood "awning" is a sturdy building, made by using the Linus System. The building has electricity laid on, and both indoor and outdoor lighting.*

"The cabin is left on the site when it's not being used, but it's not difficult to move it to another place if we want to," says Anders.

If you want to use your caravan all year round, the wood "awning" is the ideal building project.

It's Easy to Build a Bench!

It only takes an hour or two from log to completed bench. Use a chainsaw, folding rule, set square, hammer, and nails – and do not be unecessarily precise, you will get a good result anyway!

Design: Mattias Byström

BOARDS:
Diagonally sawn 2"7 (51x178 mm): two 185 cm, two 35 cm.

1 1/4"7 (32x178mm): one 140 cm, four 35 cm.

BUILDING INSTRUCTIONS:
Draw a curve on the 140 cm long board (e.g. by attaching a pencil to a 150 cm long string and fastening the other end of the string 142 cm from the center of the board). Let the curve barely cover half the board width. Saw along the drawn line with a saw.

Nail two of the legs (A) to the curved board. Make sure that the curved board does not protrude from the outer side of the leg board.

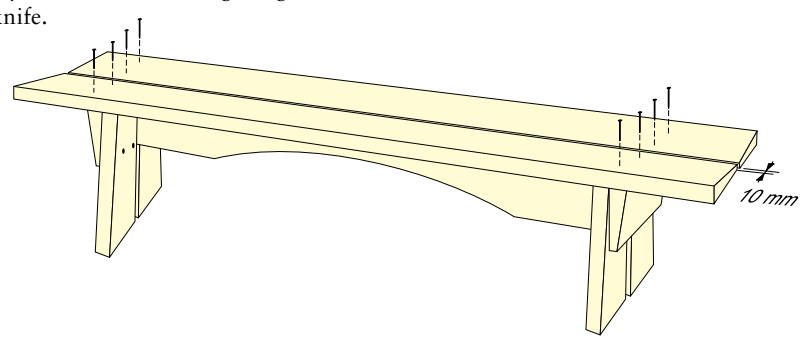
Mark the middle of the short, diagonally cut boards (B) and nail them to the legs, centered on the end of the curved board. Let the diagonally sawn piece stick up 3-4 mm above the leg board and the curved board.

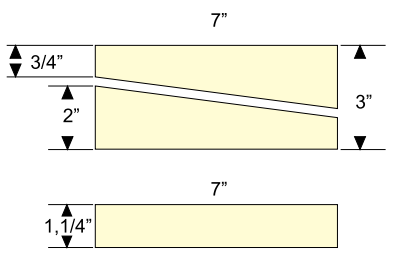
Attach the two other legs with nails (C).

Cut off the leg boards (C) with the chainsaw so that they are in line (D) with the upper corners of the short diagonally cut boards (B) and the lower corners of the legs.

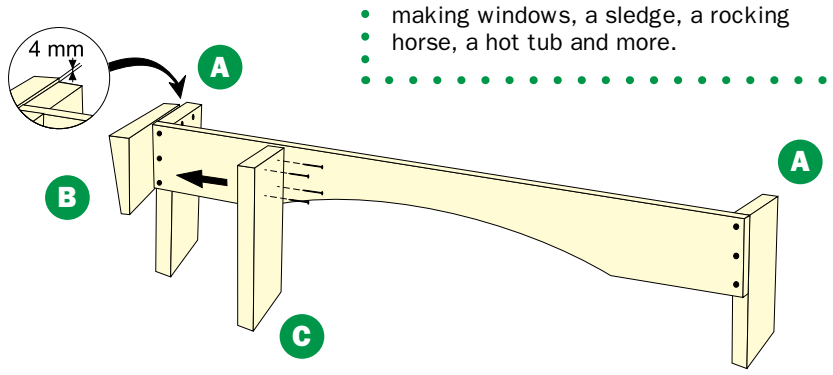
Place the long, diagonally cut boards (E) on the construction, and nail them to the short, diagonally cut boards with a space of 1 cm between them.

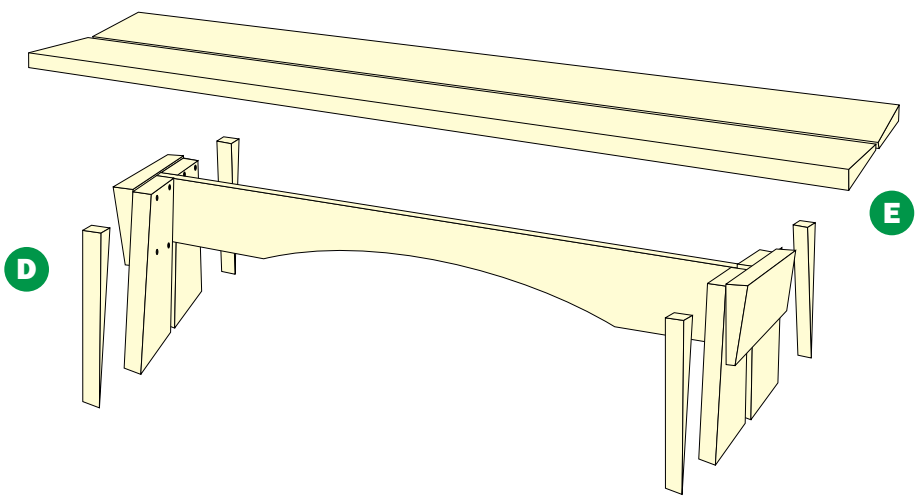
Finally, you carve off the rough edges with a sharp knife.





To produce the two diagonally sawn boards: Make a 7" cant that is 221 cm long. Make a diagonal cut by not letting the cradle foot on the short arm reach the notch in the screw plate, but letting it be positioned next to it. Support the guide rail by placing sticks under it, in order to prevent the guide rail from moving while you are sawing. Make sure the cant is securely fastened.





Free drawings on www.logosol.com!
Download detailed instructions for making windows, a sledge, a rocking horse, a hot tub and more.

They Plane and Build According to Your Drawings

Sauna cabins, doghouses and windbreaks. When the dairy cattle disappeared, the two neighnours found a viable alternative within small-scale wood processing.
"This form 40 percent of our turnover," says Mats Widén, who runs the company Trönösåga together with Bengt-Olov Eriksson.

Their first investment was a large circular sawmill, but soon customers began aksing for mouldings and panelling, so the next investment was a four-sided planer/moulder PH260 from LOGOSOL.

FOUND THEIR OWN NICHE
During the first years, their business focused on contract sawing and planing, but then the duo found their own niche: plank timbering. In their product range there are sauna cabins, garden sheds, playhouses, doghouses, windbreaks, BBQ furniture and more.

"We have our own designs, but in most cases we build according to the customer's requirements," says Bengt-Olov.

RELIABLE AND QUICK
The four-sided planer/moulder has to work hard and has paid for itself a long time ago.

• The neighbours Bengt-Olov Eriksson and Mats Widén have found their own niche within small-scale wood processing. They build plank cabins and windbreaks to order.

"It is quick to set up and very reliable," says Bengt-Olov.

The markeing is confined to a homepage and advertising on the Internet. Many orders come by recommendations from satisfied customers.

• Doghouse with resting table.

• Windbreak with integrated barbecue.

• Playhouse with porch.

• Benches of aspen in the sauna cabin, which comes fully built of dovetailed planks.

Building Log Houses with the Help of Father-in-Law

David Nilsson and Tomas Broström got acquainted when they were working on the same shift as timber sorters at a sawmill in Luleå, Sweden. Today they run a business together and, in addition, they have also become family, since David has married Tomas's daughter.

When meeting David and Tomas, it is easy to be mistaken about them. David is the younger of the two; Tomas is his father-in-law and should due to his age be the more experienced timberman. But it is quite the opposite.

"When I grew up, I was told that my great-grandfather built log houses. I got interested and took a 40-week course a couple of years ago," says David, who usually chooses really over-sized logs for his building projects.

BANDSAW WITH LOG MOULDER

David's passion for timber houses rubbed off on his father-in-law, and together they formed a company. They bought a piece of land where they could buld log houses, and a LOGOSOL-Norwood band sawmill of the largest model, complete with a log moulder.

"WHEN I GREW UP I WAS TOLD THAT MY GREAT-GRAND-FATHER BUILT LOG HOUSES"

"It works perfectly. I have never come to a standstill," says David, who recommends those who saw large-diameter logs to choose Håkansson's HSS sawblades, preferably 38 mm wide.

"The difference between ordinary blades and HSS becomes bigger the larger the logs are," says David.

SOLID WOOD

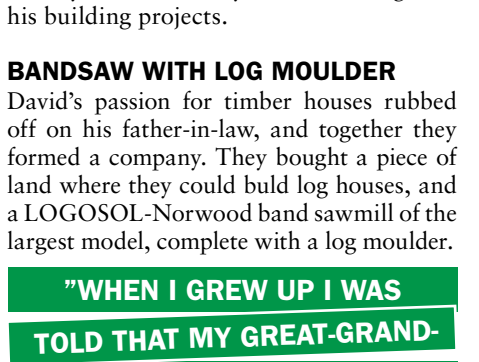
Their first big project was to build a show house and exhibit it at one of Sweden's larger trade fairs with over 100 000 visitors. There are many exhibitors who are competing for attention, and you must have something interesting to show if you want people to stop at your stand. The show house caused queuing.

David and Tomas want the house to communicate solidity, but at the same time it should be easy to build. The show house was built of 6-inch logs. Due to the large-diameter of the raw material, the slabs became so thick that they could also be used in the construction.

The interest people showed at the trade fair led to many inquiries, and now David and Tomas are hoping to be able to work full-time as carpenters.

FACTS: LumberPro HD36

Effective sawing length: 5.10 m
Extensions: 1.20 m or 0.60 m sections that are fitted to each end.
Width: 2.0 m
Length: 6.28 m
Weight: approx. 600 kg
Band wheels: 51.4 cm x 2.2 cm
Max. log diameter: 90 cm
Max. cant width: 70 cm
Last board: approx. 25 mm



• *The combination band sawmill and log moulder from Logosol is perfect for producing log houses of over-sized logs, David Nilsson and Tomas Broström think.*

• *The sawmill can without problem handle logs that are 70 centimetres in diameter.*

• *The slabs are thick enough for building with.*

• *See photos of different building projects on the company's website www.timmerstugorinorr.se*

• *Ingemar and Anita Persson like to saw together. The band sawmill from LOGOSOL can handle over-sized hardwood with excellent results.*

Good Team-work Gives Results in the Saw House

For the couple Ingemar and Anita Persson in Huaröd, Sweden, the choice was easy when LOGOSOL launched the band sawmill LM Pro.
"We have large-diameter hardwood trees and LM Pro can handle these diameters," says Ingemar as he shows the sawmill, on which an over-sized beech log is lying to be sawn. To run a farm you need teamwork, and this also benefits the sawing.

The sawmill runs smoothly and quietly with an excellent sawing result. When Ingemar brushes off the sawdust from the newly sawn log, Anita inspects the result. She usually joins in the sawing.

"I'm used to lending a hand. You run a farm together and this also includes the forest and the sawmill," she says.

TAKING CARE OF THE TREES THEMSELVES

Until five years ago, the couple run a dairy farm in Sjöbo and the forest farm in Huaröd. The dairy farm was sold but they kept the forest. The farm in Huaröd consists of 247 acres of mixed woodland. For bigger thinning and felling projects they hire contractors.

But now and then a couple of trees are blown down, and it costs more than it is worth to let a contractor do the job.It is better to take care of the trees yourself with your own sawmill.

NOTHING GOES TO WASTE

They have sawn a good deal during the months the sawmill has been in operation. Even the sawdust comes in handy. This is used by the tenant of the farmland.

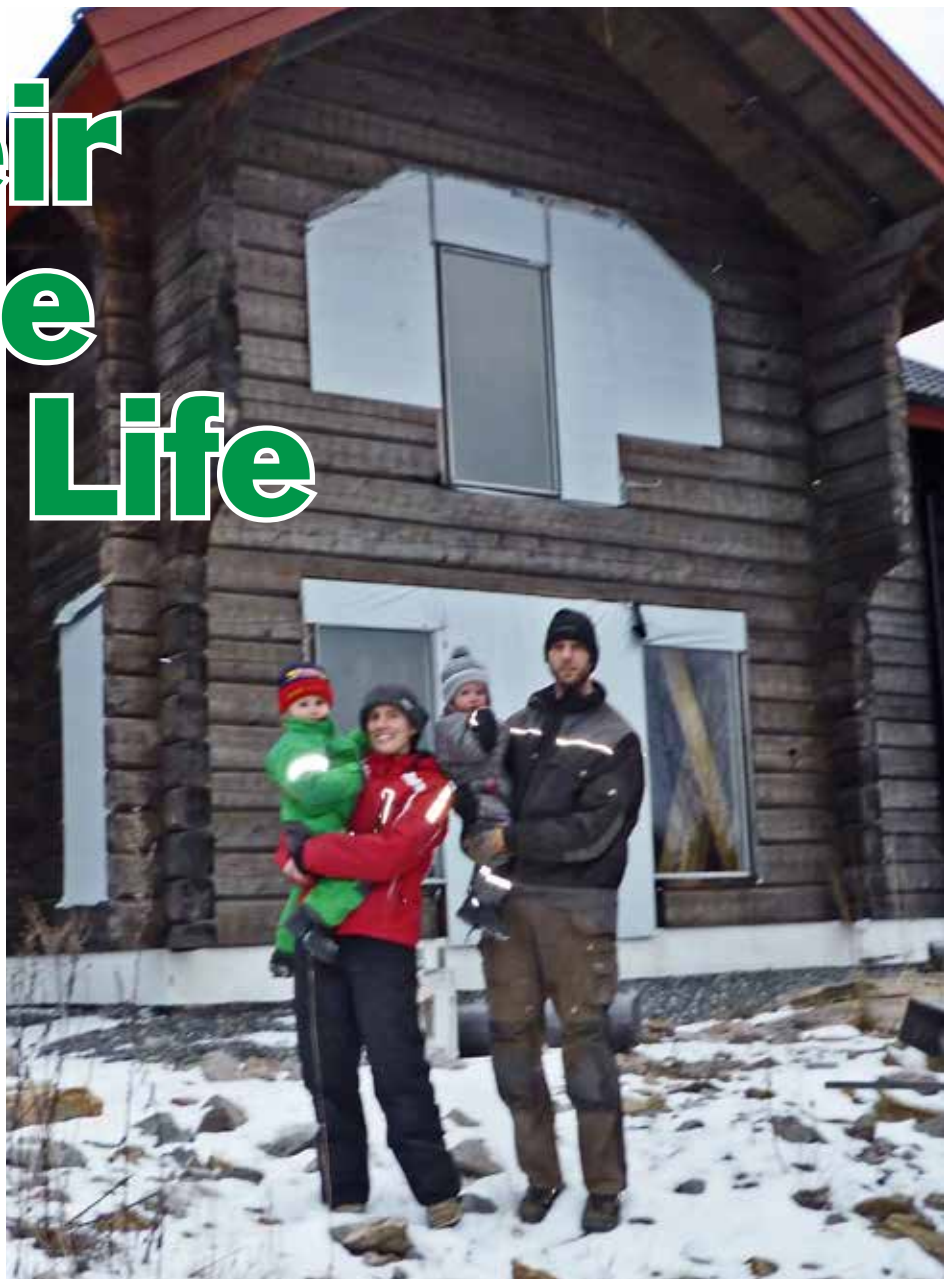
"In our generation it works like this. We were brought up not to let anythin go to waste," says Anita.

There is also a fun factor in their work. Both Ingemar and Anita like to was, to produce the timber needed on the farm, and assist the children with building materials. In their plans, there is also a small log house included.

WHAT HAPPENED AFTERWARDS?

Through the years, there have been many nice Fresh Cut reportages. But what happened with all dreams and plans? Freash Cut called the Sämberg family, who has appeared earlier in the magazine. Here is their story!

Building Their Dream House in Step with Life



• *Christian and Therese Sämberg with their sons Lukas and Alfred in front of the log house.They are hoping to be able to move in during 2015.* **Photo: Private (all)**

The timber from their own woodland is lying sawn and joinery-dry. The timber frame is under a roof and the joinery machines have been taken indoors so the production of windows and joinery components can begin.

"We have talked about kitchen cabinets, and maybe a bedstead. But we still have a great deal left to do before it's time for details," says Therese Sämberg.

At the farm Gurseröd in northern Bohuslän in Sweden, Therese and Christian Sämberg are building their dream house in step with the small and big events of life. The couple moved there in 2005, and lives in an older house, at the same time as they are building their new one.

Gurseröd is to be more than a horse farm

• *Fresh Cut, spring 2012.*

LEARNING BY BUILDING THEMSELVES

When Fresh Cut came for a visit two years ago, the house plans were already under way. Instead of building the frame themselves, which was the original plan, they had decided to buy a ready-made timber frame and focus on their own sawing and production of windows.

"We stick to the plan. Of course, there is a financial aspect too, but by sawing and doing the joinery ourselves, we also get to know the machines that we want to use in our business. Another thing we've learnt as regards big building projects, is that most things take more time than you initially think. Things happen in life. Things that make you want to pause," says Therese.

The biggest event is that their son Lukas has become a big brother. Little Alfred was only two days old when the first load of timber arrived. The timber fram was erected in April, 2012. During the summer the house was painted with copperas and the roof was lain using their self-made T & G boards. The roofing tiles came in place just before winter.

"Then the house was sealed and we could relax," Therese remember.

A CYCLE

The farm has an impressive assembly of machinery with LOGOSOL's band sawmill, two-sided planer/moulder, panel saw, jointer/planer, vertical milling machine MF30 and Sauno wood kiln. The idea is to develop their business into a full-time occupation and themselves refine the tree of the forest into high-value products.

"We have all we need and are very happy with the machines. But replacing the two-sided palner/moulder with a four-sided in the future wouldn't be wrong. Such a machine would halve the working hours," says Therese, who likes to work with the joinery machines.

Today both Christian and Therese have full-time jobs outside the farm. They work with their company CTS Land & Forestry in their spare time. The basis of the cycle is the refining of their own forest of 212 acres where nothing goes to waste. The horses help with skidding the timber. The best logs are sawn and processed, the sawdust is used for bedding for cows and horses, and ultimately it becomes manure on the fields. The timber that is too small-sized to sell as pulpwood, becomes chips for the boiler.

A CAMEL FROM ÖLAND

Recently, they built a house for the wood chips, and the newest addition among the animals on the farm is a camel that comes from Ormöga Camel Ranch on the island Öland.

"We had talked about getting a camel for years, and last summer we got in comtact with a breeder whom we then visited," says Therese.

The foal was brought home in December and was named Khubilai. Now the smal camel is to be tamed and settled down in the new environment.

• *During 2013 the laundry room was completed in the new house, in order to get the heating system started. They chose nice tiles and wooden walls that were planed with knives that give a rougher surface.*

• *On the farm there are both cows and horses. The latest addition is the camel Khubilai.*

• *Time for joinery! The joinery machines have been taken indoors for production of wondows and interior joinery. Christian Sämberg is working by the planer/moulder.*

• *During spring 2012, the timber frame was erected and the house got its roof of self-made T & G boards.*

FRESH GOODIES

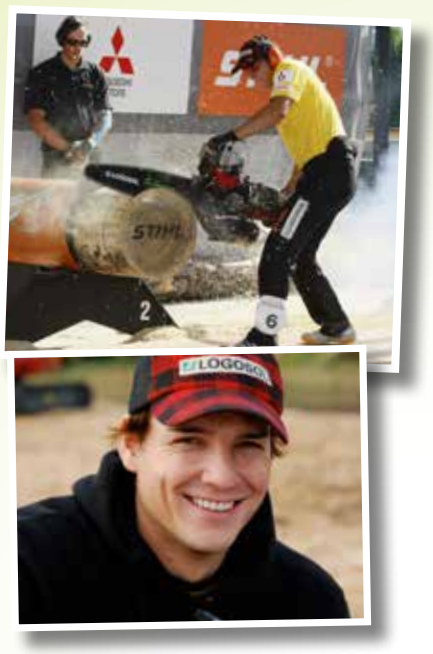
SMART GADGETS & INSPIRING PROJECTS FOR BOTH YOUNG AND OLD

Sawing for LOGOSOL in Stihl Timbersports

Since a couple of years ago, LOGOSOL is sponsoring one of the world's best athletes in the Stihl Timbersports Series. Robert Ebner has been the German champion many times over, and has as well fought his way to a second place in the world championship in St Johann in Austria. He always competes with his lucky cap on, the black sawyer cap from LOGOSOL!

Stihl Timbersports is a series of international contests within timbersports. The sport has its origins in Canada and the USA, where the lumberjacks arranged local contests to decide who was the best within the trade. Over time these strength and skill tests developed into professional athletic contests at a high level.

Maybe you have seen the events on Eurosport or the video clips on YouTube. The competitors chop, saw and cut logs against time. The most spectacular event is performed with a so-called "Hot Saw", a special made chainsaw of over 80 hp. For Robert Ebners Hot Saw LOGOSOL has developed a special guide bar together with Iggesund. Keep a lookout for the LOGOSOL bar in Stihl Timbersports!



• Robert Ebner always competes with his lucky cap from LOGOSOL!

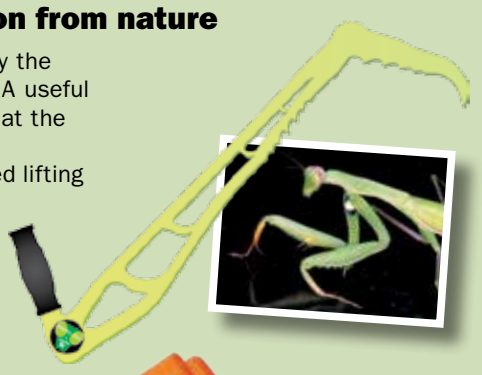
SMART GADGETS

A safe lift with inspiration from nature

The Mantis Arm is a tool inspired by the strong arms of the praying mantis. A useful gadget that spares your back both at the sawmill and in the woodyard!

- Ram it in and lift, like an extended lifting hook
- Stick it under the timber and pull it from the ground
- Hook it on and roll or turn logs

Mantis Arm is found in LOGOSOL's e-store, €53 excl. VAT



Measure the moisture

Professional moisture meter from Stihl. If you paint outside, it is vital that the timber has the right moisture content. With the moisture meter you get the answer quickly. Can also be used on cement and plaster.

Portable farm for urbanites!

The chicken run in portable format goes under the name Daily Needs. Here you have a chicken run and small cultivation beds, for the urban cultivator to have on a balcony or terrace. This portable "farm" has been awarded with the prestigious Ovam Eco Design Award Pro 2013 in the category product development.

Read more on the manufacturer's website: www.studiosegers.be

Foto: Studio Segers

RECIPE

BENGT-OLOV'S SEED CRACKERS

Grains and seeds are the essential ingredients in this cracker recipe, which LOGOSOL's founder Bengt-Olov Byström llikes to bake.
The recipe contains a minimum of carbohydrates and is both wholesome and tasty.
"Use some cheese in the dough, and it will hold together better," is Bengt-Olov's tip. And don't forget to sprinkle with salt flakes before baking it in the owen.

Mix together:
2 dl almond flour (can be replaced with maize flour or potato flour)
1 dl sunflower seeds
1 dl sesame seeds
1 dl pumpkin seeds
½ dl crushed flaxseeds

Add:
½ dl canola oil
2 ½ dl boiling water

Do like this:
Stir until you get a dough. Divide the dough in two parts and place them on baking sheets that are covered with parchment paper. Place a parchment paper over the dough and flatten the dough. Put both the baking sheets in the oven at a temperature of approx. 150 degrees. Let the sheets change places after approx. 20 min.

Baking time: approx. 1 hour.

CUT OUT AND SAVE!

HANDY APPS

Spirit level. Measure straight with your cellphone. One of the most downloaded digital spirit levels on the app market. Bubble Level (Android)

All in one. This Swiss army knife includes eight functions, such as ruler, flashlight, compass, spirit level, plumb, distance meter and magnifying glass. Super Swiss Army Knife Free (Android)

A light in the autumn darkness. This app makes your smartphone into a flashlight. Switch on and off by sliding your finger over a switch – perfect for the sheds this autumn. Find it by searching for "light my way".

TOP DOWNLOADS ON LOGOSOL.COM

1. Product catalogue
2. Build your own outdoor hot tub
3. Moulding knife catalog
4. WoodworkingProject #1
5. Fresh Cut No 1, 2013

***Kitchen cabinets of solid oak**. Lovely feeling of unseasoned sawn timber. Ikea.*

Wood is trendy!

Untreated and natural materials is a clear trend in interior design. To us who like wood, it is exciting to see new designs and solutions where the surface preferably shows the graining of the wood. Natural material provides a warm feeling and suits all styles. We hope that you get inspiration to create and build yourself!

***Chopping board** of acacia wood. House Doctor.*

RESTORATION

New wood becomes like old!

Copperas (iron sulphate) paint is used when painting wood cladding, usually in connection with restoration, to obtain greater homogenity when old wood is mixed with new. The treatment gives the wood a grey nuance that after a time becomes similar to the grey surface that can be seen on old wood. This resembles staining, as the surface and structure of the wood stay clearly visible after treatment.

LOGOSOL reaches (almost) the whole world

During last year, LOGOSOL's global website vistors from every country in the world, except for two: Western Sahara and North Korea.
"The global website is to attract people interested in wood, who live in countries that don't have LOGOSOL dealers. LOGOSOL's biggest markets have their own websites, we'r talking about 25 homepages in fifteen languages," says Robert Berglund, web developer.
The next step was a global web store, which gave immediate results. The orders started to come at the same moment as the store was opened. In the shopping cart both small tools and large machines are placed, which are then shipped to customers on new markets.

400 videos on the tube

LOGOSOL has started its own channel on YouTube. Here you find all our videos and the latest uploads. Do as our over 1400 followers and become subscriber, and you will always see the latest first!
Direct address: www.youtube.com/user/logosolinternational

THE FIVE MOST POPULAR VIDEOS ON THE YOUTUBE CHANNEL:
1. Four-sided planer/moulder PH360
2. Log skidder trailer Clivus
3. Band sawmill LumberPro HD36
4. LOGOSOL Sawmill M8
5. Timberjig

Saw Film and Learnt to Saw

What is the best way to learn how to use a Logosol Sawmill?
"You watch Logosol's videos and start sawing," is Kjell Rogström's answer.

After an engineering degree course and experiences as self-employed, Kjell Rogström moved back to the family farm outside Falun in Sweden. The farm includes a couple of acres of woodland, just enough to heat the house with firewood and produce timber for household requirements. Formerly, there was a sawmill in the village, but it was closed down. Due to this, he ordered videos about sawing from Logosol, the same videos that today are available at www.logosol.com.

WATCHED VIDEOS WITH NEIGHBOUR

"I practically knew nothing about how to cut a log into boards," says Kjell, who watched the video again and again. "When my neighbour visited me, I used to show him the video. Eventually, he said 'No, thanks' — he had watched the film ten times and thought it was enough."

In 2006 Kjell bought a Logosol Sawmill with electric saw head and the friction feeder E37. One of his first projects was to build a roof over the sawmill, and after that a sturdy log table for the purpose of staging up logs for the sawmill.

"Kjell is a real handyman," his live-apart partner Zara Rogström states.

TIMBER OF TOP QUALITY

He has cut a whole lot of renovation lumber through the years, but now a big building project is in the pipeline. On the log table lie some 60 pine logs. The lumber is going to become a new deck, an outhouse, and some other odds and ends. He has cut a whole lot of renovation lumber through the years, but now a big building project is in the pipeline. On the log table lie some 60 pine logs. The lumber is going to become a new deck, an outhouse, and some other odds and ends.

He was a novice when he started to cut timber in 2006. The timber that now lies stacked for drying is of the highest quality. It is from dense pine with a lot of heartwood. The surface is finer and the measurements are more accurate than what you usually find in a commercial lumberyard.

"The most important when sawing is that the chain is sharp," says Kjell Rogström.

FACTS: LOGOSOL's videos

Watch our informative product videos about sawmills, planer/moulders and joinery machines directly on your computer, on your cellphone or your tablet. On LOGOSOL's website www.logosol.com there are over 100 videos that show machines and accessories. Learn about different sawing techniques and watch how you mount moulding knives in a four-sided planer/moulder.

Besides product videos, there are also building plans with instruction videos for free download.

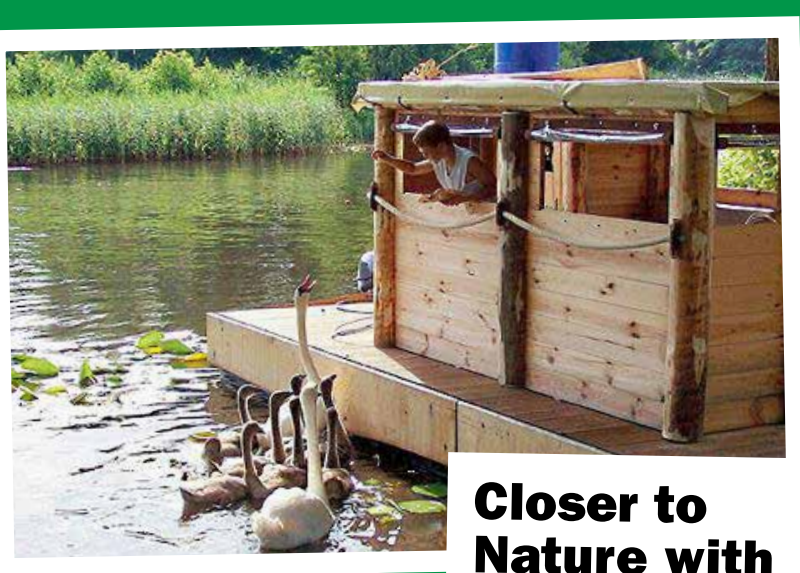
• 60 logs waiting to be sawn. They will be used for extending the house so Kjell's partner Zara can move in.

LOGOSOLERS FROM ALL OVER THE WORLD!

WELCOME TO LOGOSOL! In Fresh Cut you meet customers from all over the world who develop their businesses with the help of LOGOSOL's machines. Get inspired by their exciting stories and nice projects. With the some knowledge and the right machines dreams can be built, no matter if it is a playhouse for the children, a new terrace for the summer cottage or your own business within smal-scale wood processing. Welcome to a wood fellowship without borders or limits!

LOGOSOL Sawmill in the Caribbean

LOGOSOL was invited to St. Vincent to provide training for the St. Vincent & The Grenadines' Ministry of Agriculture, Forestry and Fisheries. The Ministry had just purchased a LOGOSOL Sawmill. Logosol's traniner helped the enthusiastic beginners to get started correctly with the sawmil.



Closer to Nature with Your Own Raft

"We are so busy that we don't have time for the most important thing in life, life in itself," says Martin Richter who has built two rafts using his two sawmills – to inspire others to enjoy nature. The two rafts are for hire and anchored North of Berlin. Martin has built them himself using a LOGOSOL Sawmill and a Big Mill Basic. The rafts are made of oak, cut down, according to old tradition, in the winter just before full moon.

Extreme Weather Milling

Of course you can cut lumber even though it is winter and cold. This is proven by the picture to the right, where the temperature is -32° C. The owner of a LOGOSOL Sawmill is fulfilling his dream of building a cabin in the middle of the wastes of Alaska. The logs for the cabin are cut by the LOGOSOL sawmill, which has been taken to the building site by airplane and snowmobile.

Contact LOGOSOL for more information: Phone: +46(0)611 182 85 • www.logosol.com