



## Beautiful woodworking

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. Read his story!

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"As a customer, you can phone without fear of disturbing." Runo Johansson explains why he chose joinery machines from Logosol. His greenhouse Growpoint attracts attention due to its appearance and it being a room for both plants and people.

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# Dear Woodworkers and Friends of Logosol,

In any activity progress means either doing the old things more efficiently or it means doing something new that was not possible before. Our aim at Logosol is to help our customers do both and take their wood processing to the next stage, no matter what level they have reached.

It could start at a very simple level using the Timberjig to turn a few windblown trees into planks rather than firewood. Then it could progress to more efficient sawing with the Big Mill or M7. Then from rough sawn planks to planed wood and mouldings using the Solopaner or PH260.

You can see from these pages that Logosol is enjoying an especially innovative phase and can offer new opportunities for you to move your wood processing on to the next stage.

Have your projects grown to the point that sawing speed is a real constraint? The new 8kW electric chainsaw can cut faster and gives significantly higher output. Would you like to tackle more complex projects such as a fitted kitchen or a staircase? We now have the woodworking machines to do all this and much more.

**William Dobie,  
Logosol UK**



## FRESH CUT!

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## Logosol E8000 - stronger than expected

The difference between Logosol's up to now strongest electric saw E6000 and the new E8000 is bigger than what the difference in effect implies.



"E8000 is much stronger than I expected," says Stig Nilsson in Vittsjö in southern Sweden. He was one of the first who upgraded their Logosol Sawmill.

Stig is a cabinetmaker and works at a small furniture factory. After the storm Gudrun he saw the opportunity to buy storm-felled trees. For this purpose he bought a Logosol M7 and cut plenty of timber both for selling and for personal use. Among other things, he has built a sawing house.

The business became bigger and bigger. Now he has reduced his working hours as a cabinetmaker, and started Verum's Sawmill & Gardening service. As a professional he needs efficient equipment, and thus he replaced his old sawing unit with Logosol's E8000, which

was launched in the autumn of 2007.

"The increase of capacity is greater than I expected," says Stig.

He has also invested in a sharpening robot from Logosol, and he sharpens chains for others on subcontract. A powerful saw unit and sharp chains make a very successful combination.

He only sees one drawback of the powerful saw unit. It can easily happen that you use the chains too long before sharpening them, since the motor does not slow down no matter how much you force it.

"Cutting with a half-dull chain is no problem. The problem is that you can damage the chain and the bar, so it is important that you are aware of the sharpness of the chain, says Stig. \*





*Per-Arne Ragnarsson and Peter Hall are building a log house of 270 square metres.*



*This is the photo that Per-Arne took with his cellphone, showing the planing of a 12 metre long beam with the measurements 8" x 12".*



*Building a house of 270 square metres is an extreme project, even for an experienced timberman as Per-Arne Ragnarsson.*



*Peter Hall is the customer, and he owns a Logosol PH260 four-cutter planer/moulder.*

## 2 600 metres of planed 8 x 12 inch timber

What do you do when the building material you have consists of 2600 metres (8530 ft) of timber, sawn from large-diameter logs and by three different methods, with different surfaces and varying measurements?

"The only solution was to plane the whole lot," says the timberman Per-Arne Ragnarsson.

Per-Arne makes a living by renovating and building log houses, and manufacturing windows. He lives south of Vetlanda in Sweden. At the moment, he is building a log home of 270 square metres (approx. 2900 ft<sup>2</sup>). The customer's name is Peter Hall, and luckily he owns a Logosol PH260 four-cutter planer/moulder.

"The logs were cut with chain, circular saw blade and frame saw. It would not look good with all the different sawing surfaces," says Per-Arne.

### **Grind the knives often**

He phoned Logosol and asked if it is all right to use the four-cutter for planing beams that are up to 8 x 12 inch. The answer was "Yes, if you know what you are doing". Per-Arne knew what he was doing and went ahead with the project.

A couple of days later Logosol received an e-mail. It was Per-Arne who sent a photo he had taken with his cellphone showing the planing of a 12 metre long beam with the measurements 8" x 12". The photo had the accompanying text: "Sending a photo of how to use a PH260".

It almost looks unreal when such a long and thick beam comes out from this relatively small planing machine.

It was not only this beam that was planed. Altogether it was 2600 metres of the dimensions 6 and 8 inches. The only problem was that large-diameter timber of this size often has sand and dirt in the wood.

"You have to have double sets of knives and grind them often," says Per-Arne.

### **Sawing is relaxing**

Building a house of 270 square metres is an extreme project, even for an experienced timberman as Per-Arne. Normally, he works with smaller houses and produces the timber on the spot using his Logosol M7. When he works on commission he uses a petrol chainsaw; at home he uses Logosol's bandsaw, about which he has only good things to say.

"It works really well," he says.

Per-Arne also runs a small joinery shop in which he manufactures windows for his house projects. Here, too, his home-cut timber comes in handy. In addition, the Logosol M7 has another advantage that is appreciated by a craftsman.

"Sawing is relaxing, somehow. And furthermore, I can beat any sawmill when it comes to measurements and surface of the timber, says Per-Arne Ragnarsson in Farstorp, south of Vetlanda in Sweden. \*



## This is why Runo chose Logosol again: "You can phone Logosol without fear of disturbing."

Runo Johansson believes in his business concept. And he believes in it to such an extent that he did not give up even when his workshop burnt down to the ground. Now he has bought new machines from Logosol and got his business going again.

Runo's business concept is built on the most important thing in the world: the photosynthesis. This is the process in which the energy from the sun helps green plants to turn carbon dioxide and water into food.

"We have to learn to work with nature instead of against it," says Runo, who early committed himself to environmental issues.

When he started to think about the environment it was considered bohemian. Today, the reality has caught up with us. The Nobel Peace Prize was given to Al Gore and the UN's climate panel. Our shared environment is now at the top of the agenda.

### A room for learning

What distinguishes Runo from most of us, is that he goes further than talking and writing. He created a "room for learning" in which the prerequisite of life becomes evident and comprehensible. It is a greenhouse with the name GrowPoint.

The greenhouse is a self-supporting and very strong latticework construction whose design seems to appeal to most people. Stylish, is a common comment. Each building element is a triangle-shaped wooden frame with a transparent sheet of insulating polycarbonate. These elements are put together into a geodesic dome.

The construction has several advantages. It is prefabricated and thus easy to assemble. It stands wind and weather much better than conventional greenhouses, and it is fitted up both for plants and people.

"In 18 square metres there is room for about 5000 seed plants, a table and five chairs. The GrowPoint greenhouse is also a fantastic outdoor room," Runo says.

### The workshop burnt down

Its weather resistance was proven when the storm Gudrun hit southern Sweden. The Swedish university of agricultural sciences in Alnarp has a GrowPoint greenhouse in its rehabilitation garden. The storm destroyed a lot, but on the greenhouse there were only a couple of ventilation hatches that were damaged.

The entire construction and its function

is well thought-out, but when the interest in it was about to turn into sales, something devastating happened. The production building burnt down to the ground. The entire stock and assembly of machinery was destroyed by fire. Among the things lost in the fire was a Logosol PH260 four-cutter planer/moulder and an MF 30 vertical milling machine.

A disaster of this proportion can make even the most enthusiastic person give up. But this is not the case with Runo Johansson. While waiting for the workshop to be rebuilt, he has rented a place in Limmared and purchased new machines:

"Choosing Logosol again came naturally. If you have any problem you can phone Logosol for support, and you are always treated professionally and friendly," says Runo.

This time, due to economic reasons, the assembly of machinery became slightly different. He bought the multi jointer/planer MH410, the table saw PS315, and also the, to him, indispensable MF30.

### Better with separate machines

He chose separate machines instead of a combi machine, and this is Runo's explanation:

"The logistics in the workshop becomes much better when you have separate machines. A combi machine of the same quality is, strange as it may seem, more expensive to buy," says Runo.

The machine he appreciates most is the vertical milling machine. He uses this to try out angles and profiles before they are put in production. He also uses it for tenoning and routing.

When he has found the right shape, he orders knives and starts producing in the multi jointer/planer which is also equipped with a side cutter.

"Two persons can operate the machine at the same time. One takes care of the jointing operation and the other planes and moulds. I know that the four-cutter planer/moulder gives more possibilities and has more capacity, but the vertical milling machine is enough for the wooden details that I need," says Runo.



The GrowPoint is manufactured in a couple of standard sizes starting from 15 square metres. Due to the flexible assembly of machinery he can produce a great number of furnishing options and vary the design according to customers' desires.

### The next investment is the Circular Resaw

The first pilot series were made of aluminium profiles, but Runo soon changed to wood. It is a more natural material, which is appreciated by the customers. The building elements are made of pine heartwood, larch or oak. The goal is, as far as possible, to use timber from his own forest. This is why he has established a cooperation with a nearby company, Å-såget in Limmared.

The next investment will be another machine from Logosol, the circular resaw KS 150. The circular resaw will streamline the processing of the beams that are made from his own timber.

Runo's greenhouse includes functions, thoughts and ideas that would take several pages to describe. Instead, we recommend a visit to the website of the company, [www.growpoint.se](http://www.growpoint.se). Finally, we give you a quotation, where Runo, in poetic form, summarizes the thoughts behind his business:

"If we create environments where butterflies are pleased, minds will be opened and mouths will be fed". \*





*"As a customer, you can phone without fear of disturbing." Runo Johansson explains why he chose joinery machines from Logosol.*



*"The vertical milling machine is the best machine for an innovator. Here, I'm trying out angles and profiles," Runo Johansson says about the Logosol MF30.*



*Richard Dunmore found a real challenge in Strelley, near Nottingham.*

## The ten-eyed *Strelley monster*

Once in a while, something comes along that challenges even an experienced woodsman like Richard Dunmore. The ten-eyed Strelley monster was that challenge....

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



*Dancing with danger, and working at full stretch to make this cut.*





*The bathroom is beautifully finished using cut offs.*



# “I used my Logosol PH260 for all the woodwork in the house”

Mr. Raymond Leroux is the fourth generation growing up on his farm in Casselman, 50 km outside Ottawa in Ontario, Canada. He took over the farm in 1979 and is now working as a professional logger on the private woodlots in the local area.



**LOGOSOL CANADA**

“A modern harvester is too expensive for this type of forest,” says Mr. Leroux, “so we work with conventional chain saw and skidder methods.

Farmers still find it economically beneficial to transfer forest land to agriculture land and we often get this type of logging. In this area, man made forests started early on. Today you can find nice stands that were planted 40 to 50 years ago.

## **Build a new house**

There are some big trees around. I cut five White Pines but needed two truck loads to move them. There must have been over 5,000 board feet between those five Pines.

In May last year my wife and I decided to build a new house. After searching the market we decided to purchase a Logosol PH260 4-sided planer moulder.

Through my work as a logger I have access to all sorts of logs, “tells Mr. Leroux. “I have a small sawmill and saw White Pine, Red Oak, Sugar Maple, Black Cherry. White Ash, Elm, you name it !

I extended my garage with a wood shop where I keep the PH260 and also dry my lumber. I heat the house and workshop with an exterior wood fired furnace.

The exterior of our new house is covered with White Pine Siding. To use the wood optimally, I used both 8 inch and 6 inch wide boards that I run through the PH260.

“I placed three 8 inch wide boards in a row and then a 6 inch wide board to make it look nice. To optimize the use of the wood is an important factor for me, “says Mr. Leroux”. I can save a lot of money by doing so.”

I made the deck from local Cedar that I rounded in the planer. I planed the boards when they were green but they did not warp at all. My wife and I decided to open a Bed & Breakfast. We put in three rooms with baths in the basement, that we will rent out. They look out over the 90 acre farm land where you often see deer feeding.

Our community has an outdoor summer theater and one problem has been for visitors to find a place to stay.

Hunters are also looking for local lodging in the area during the fall. The Bed & Breakfast will be a nice complement to the income. I used my PH260 for all the woodwork in the house, the Red Oak floor in the living room. For the kitchen floor I made narrow boards out of Maple.

The bedroom has a spectacular Black Cherry floor that will only develop into nicer colours over the years. I saved smaller cut-offs and used a few basic knife cutters for all the patterns to save money.”

## **More and more requests**

The bathroom is beautifully trimmed with shorter cut-offs from the wood work. Mr. Leroux hopes to finish the house within the next few months.

“The local building supply store phones me when they need custom work. I didn’t want to sell too much of my own wood until now as I needed most of it for the house. The word spread and I started to get more and more requests for using the PH260 planer- moulder,” ends Mr. Leroux. \*





*Red Oak in the living room.*



*I try to use the same profile knives for many products.*



*We are opening a B & B!*



*The White Pine siding is produced with the 4-sided PH 260 planer moulder.*



*Rune Dahl is really in his element, having a job and a hobby that allow him to develop products both in the joinery shop and in the river.*

## Wardrobes and salmon

Having the responsibility for the breeding of 20 000 salmon fry, Rune Dahl is a man who likes when things are neat and tidy. And we see proof of that when we visit him in his joinery workshop which lies in an outbuilding on his property in Mosvik, Norway.

"Having your own joinery workshop to be in is perfect, now when the nights are getting darker," Rune says.



### LOGOSOL NORWAY

Here, he makes sliding door wardrobes and kitchen cupboards of pine and birch, all according to the customer's wishes and desires.

"Since I received these three joinery machines from Logosol, time seems to pass too quickly when I work in the workshop. I dream of being able to spend more time in my workshop, because I have so many ideas that I want to realize," Rune says. "I was planning to buy one machine with all three functions, but now I am very pleased that I bought three separate machines instead."

"All three machines are incredibly nicely designed and robustly constructed. They have strong motors and high capacity", Rune states, and shows us the 1 m (3 ft) space between the saw blade and the fence, which makes handling wide laminates easy as pie. "And it's a pleasure hearing the machines running, they do not vibrate a lot and the tables slide so easily that you rejoice. Now that I have this first-rate equipment I can produce everything from kitchen cupboards to chairs and tables," Rune says.

The river that runs past Rune's house is regulated by a water power station, and Mosvik Fish Farm was set up to take care of the salmon in the river. Here spawn-ready salmon are caught, and then their roe is taken. The roe is taken care of according to all of the established rules.

When the salmon fry have hatched they have a growth period of two years, before they are placed in the river to the great delight of future salmon anglers.

Rune is really in his element, having a job and a hobby that allow him to develop products both in the joinery workshop and in the river. We wish him all the best with his future production of wardrobes and salmon. \*



# The Logosol Sawmill has become a part of Russian culture

The sales to Russia have steadily increased, and today Russia can compete with the US when it comes to being the largest export market. At the same pace, the exploitation of people and machines has decreased, and today Russia is a country which in many ways resembles Sweden. A growing number of people buy themselves a Logosol Sawmill for fun.



## LOGOSOL RUSSIA

Nowadays, Logosol is cooperating with the import company Absolut in St. Petersburg. The business goes under the name of Logosol Rus, and it has two employees: Vladimir Konenkov and Irina Laguta. Their market extends as far as the Pacific Ocean.

”The trouble is that we rarely have the possibility to visit our retailers and customers. It is simply too far away,” Vladimir says.

The visit of his dreams is to the retailer in Jatutsk in the north-eastern Siberia, the coldest inhabited place on Earth. In this region they have measured temperatures down to  $-70^{\circ}\text{C}$  ( $-94^{\circ}\text{F}$ ). Why do 210 000 people live in such a cold city?

”There are large diamond deposits there,” Vladimir states.

But Siberia also has summers, and there are trees. The prices of sawn lumber have shot up, and this makes sawing your own lumber more interesting. To a growing number of people a

Logosol Sawmill has become the solution. The difference is that here, the customers comes on a dog sledge to the retailer to collect their sawmills. Translated, the name of the Siberian store is Swedish Quality.

### Private woodlands

There are three important reasons for the increase and change of quality of Logosol’s sales in Russia. Russia is the most wooded country in the world, but the government owns almost all woodland. Nearly 70 years ago, a farm lease act was introduced, which makes it possible to rent a forest for 70 years with the obligation to look after, thin and replant it. Russia is beginning to have something similar to private woodlands.

The second explanation is found in the fact that the old collective farms, the kolkhozes, have ceased to work, and today they are like ordinary villages. Each kolkhoz formerly had a sawmill. Now, they are worn out and no one



*Vladimir Konenkov and Irina Laguta work for Logosol in Russia, and are responsible for a retailer network that extends as far as the Pacific Ocean.*

is responsible for them. Today they are being replaced by Logosol Sawmills.

### A changing climate

The third reason emptied Logosol’s stock during the spring in 2007, which resulted in customers waiting for their sawmills all over the world. The change of climate has dramatically changed the forestry conditions in some parts of Russia, e.g. in the Ural Mountains and in Archangelsk. The ground is marshy in these parts. Due to this, they traditionally fell trees in autumn and then collect the timber in winter when the ground is frozen.

During the winter in 2006/2007 the ground frost never came. Felled timber was left lying in the forests and ran the risk of getting damaged. Logosol Sawmills became the solution to this, since they are easy to bring out in the forest; and sawn lumber is easier to transport. \*

## The recipe for a sharp chain:

# Clean and shape the grinding wheel before sharpening

A dull or incorrectly sharpened chain is the most common cause of problems when you are sawing. The best remedy is Logosol’s sharpening robot and regular cleaning and shaping of the grinding disc.

Filing a chain by hand is quite an art. Due to this many choose to buy a sharpening machine. But it is not sure that the machine solves all problems. If you do it wrong you can, on the contrary, destroy the chain. The secret behind a good sharpening result is to have correct angles and a cleaned sharpening disc. Most people know about the angles, but how long was it since you cleaned the sharpening disc?

”When you are sharpening, metal chips get caught in the sharpening disc with the result that you are sharpening metal with metal. This leads to overheating,” says Pär Markusson,

who has constructed Logosol’s sharpening robot.

With the sharpening robot comes an abrasive stone. It is used for rounding off the disc, removing impure material and exposing new grinding material. If you make a practice of cleaning the grinding disc before each time you sharpen the chain, you will get a significantly better result. It will not take many seconds. It is equally important that you round off the edge of the disc. It should have the same shape as a round file. If you fail to do this, you will in time create a sharp gash under the cutting



*Logosol’s sharpening robot has solved a lot of sawing problems. It works even better if you clean and shape it regularly.*

tooth, which can result in a broken chain. On the market there are grinding discs that are marketed as more or less maintenance-free. This is, however, not true. Regardless of what disc you use, metal chips will get caught in it, which leads to overheating.

“If the tooth becomes red while you are sharpening it, the disc is not up to par or it needs to be cleaned,” says Pär. \*

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