

Efficiency and top speeds at the new Versowood cutting line

Production speeds are reaching an all-time high at the new cross cutting saw line at the Versowood Oy Riihimäki facility. These results are being achieved thanks to the fastest cross cutting saw in the market paired with the fastest stacking devices in the world.

The Versowood Group is an international operator, whose success is based on solid experience and a strong focus on product development. Versowood has business operations in four areas: timber products, gluelam products, wood packing products and infrastructure products for land and road-building operations. The group's turnover is approximately 200 million euros, of which 65% are accounted for by exports. The group employs approx-

imately 700 people in eleven locations.

The Versowood Group is one of Finland's most important private producers of sawn timber. Production, centred on Otava, Riihimäki and Vierumäki, has a total annual capacity of 1,000,000 m³. Approximately 40% of production is in pine and 60% in spruce.

In addition to traditional timber production and timber components, Versowood manufactures laminated timber, planed timber and weatherproofed columns as well as other impregnated products.

The new cutting line at Versowood's Riihimäki wood packing production unit is equipped with the accurate top-speed Iomus SwingSaw cross cutting saw manufactured by Jomeks Oy from Forssa and delivered by Junotec Oy. The Iomus SwingSaw can cut lengthways at top speeds with perfect accuracy from one piece to the next without stopping the plank. The SwingSaw saws 50 cm fixed

length pieces at best more than three times per second.

Pinomatic Ltd has developed a top-speed feeding device in front of the saw. Behind the saw are six Pinomatic OSF stacking devices, whose speed tops all comparable equipment in the world. The OSF stacking devices have a capacity of at least 150 pieces per minute.

The speciality of the cutting line is the possibility of using the line to process pieces of different widths simultaneously. The feeding device in front of the cross cutting saw has been enhanced with width gauging equipment and an automatically regulated feeding device for

the cross cutting saw. The stacking devices also enable items of different widths to be stacked in the same stack.

Versowood was already familiar with Pinomatic's equipment from before. In early 2004, Pinomatic delivered equipment placed between a cross cutting saw and a finger jointing machine to Versowood's Kotka facility. The equipment was a special, customised piece designed for the client to enable unmanned operation. Cooperation between the two companies has been excellent and the equipment delivered by Pinomatic has been reassuringly reliable.



Juhani Ala-Salmi and Jari Tanskanen from Versowood watching the test run of the line at Pinomatic's facilities in Kauhajoki.



Great efficiency increase in production with the new trim saw

The Swedish company Bju i Rottne, producer of edge-glued panels, purchased a new trim saw for their pressing line for the purpose of increasing production efficiency. Pinomatic Ltd offered the best solution for the plan.

Bju i Rottne was founded in 1994 and the company employs 22 people in Växjö. Prospects for the next few years look good and the company's turnover has recently increased by over 50%, to 58 million SEK. Six new employees have also been appointed. About 70% of Bju i Rottne's production is exported, for example to Norway and England. The Jabo group bought the company in 1988. It also has production plants in Tranemo and Burseryd.

With the new project between Bju i Rottne and Pinomatic it was possible to increase the sawing capacity of Bju i Rottne enormously. Production is based on double lengths, which will then be cut into



Bju i Rottne's Production Manager Håkan Jonsson and Managing Director Lars-Johan Johansson watching the test run of the saw.

shorter panels. Long edge-glued panels can be cut into requested lengths with four sawing units, of which three are on at any one time. Using the equipment the ends of

the panels can be trimmed, and the panel can be cut from the middle, or otherwise the ends can just be trimmed. If two panels are pressed side by side with the press, a dou-

ble-bladed motor can be used, so that all four ends can be trimmed at the same time. After this all that remains is for the dimensioning of the sides to take place. In the past,

sawing was done manually and it was very time-consuming, causing a bottleneck in production. Now this problem is history.

"The Pinomatic Trim Saw was delivered to us at the beginning of March 2006 and its reliability has been impressive," says Production Manager Håkan Jonsson.

"Pinomatic was our chosen supplier because they had the best solution to our problem," says Managing Director Lars-Johan Johansson. "The cooperation with Pinomatic has worked very well in the past as well." Bju i Rottne have used the INNOVA 3000A edge gluing press in production since 1995. Another pressing line, with an INNOVA 2500A press, was purchased in 1999, to which the new trim saw was attached. During this time, the presses have been working for two or even three shifts, so it could be said that the oldest press line has effectively been pressing panels for 25 years already, if it had just been working one shift. And there will certainly be many more years ahead!

The Pinomatic Wood Vision Scanner impresses with its reliability and user-friendliness

Pinomatic Ltd organised a scanner test run day for its customers in the spring in Kauhajoki. Customers had a chance to test the system with their own products.

The Pinomatic Wood Vision Scanner system has been part of our product range since last summer

and it has aroused a lot of interest among our customers and other companies in the woodworking industry. As there have been so many enquiries, we decided to set up a test run day for customers. Being able to test the device with their own products meant that they would get the best possible idea of how the device functioned. They could also see the real results of the

There will be more test run days at Pinomatic Ltd in the future as well, in response to customer interest.

The next event has been planned for November. Show your interest in the Wood Vision scanner and ensure your attendance at the next event! Call Pinomatic Ltd Export Manager Mika Nyystilä now, tel. +358 50 538 7500



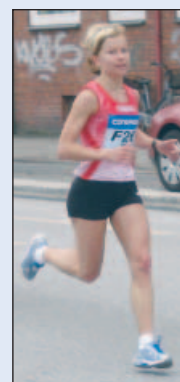
Erik Åstrand (left) and Jaakko Hämeenniemi showing Raino Lipponen (Incap Furniture Oy) and Raimo Kainulainen (Fine-Pine Oy) how the Pinomatic Wood Vision works.

scanning and estimate the benefit that the device would bring to their production.

The test run day has already resulted in one order, and the delivery will take place in June 2006. Negotiations are also underway with several customers and Pinomatic Wood Vision seems to be a strong option.

The first Pinomatic Wood Vision Scanner has been in use since autumn 2005 and it has proved to be very reliable. The scanner is in use in the cutting and finger jointing line of E.T. Listat Oy in Ylivieska, Finland. The equipment has met the customer's expectations very well.

Maija to compete at Gothenburg



Pinomatic Ltd-sponsored marathon runner Maija Oravamäki achieved an excellent result at the Hamburg Marathon on 23 April 2006. She broke the qualifying record for the Gothenburg European Championships held this summer by over six minutes. Maija's result at Hamburg was 2.35.37, improving on her personal best by as much as three and a half minutes.

Maija's pacing differed from a normal marathon. Even though she passed the halfway point with a time that promised a new personal record, the second half was run another two minutes faster again.

Pinomatic Ltd planning department solves production bottlenecks

Pinomatic Ltd's Planning Department employs five planners. Equipment is designed using Solid Works 3D software. Illustrative and clear 3D images are produced of the equipment, making it easier for the production side to interpret the images as compared with the ordinary 2D images. The system has also considerably reduced the amount of later specifications added to plans as clients can be provided with a clear image of the new line or line improvement.

Timo Haapala is the Planning Manager, and has over 10 years of experience in planning at Pinomatic. Earlier Timo has accumulated practical experience with mechanics. Timo can sketch a new part for equipment or a production line at the drop of a hat.

Mauri Rinne is the Planner and Project Manager for extensive projects. He has several decades of experience in planning mechanisation equipment and you can almost look into Mauri's eyes and see new mechanisation solutions being thought up instantly.

Mechanical Automation Engineer Tero Viertola is, in addition to planning, a project engineer and cooperates closely with clients throughout the entire project. He is also responsible for purchasing parts for production from the contract procurement network.

It is the job of Mechatronics Engineer Tommi Nikkola to plan for example the grippers for Pinomatic stackers and to organise production and the dimensioning of stacking devices according to client requirements. In the past he has been involved in parts manufacturing and the assembly of stacking devices and has therefore accumulated fresh practical experience. In addition, Tommi has travelled throughout Finland assembling equipment.

The latest addition to the planning team is mechanical technician Janne Salomäki. He has several years of experience in building machinery. In addition, Janne has become familiar to many clients when installing production lines at the clients' facilities.

Appointment news

Jaakko Hämeenniemi was appointed to Pinomatic Ltd's programming team on 24 November 2005. Jaakko has been working for the company since 2000, completing his practical training and summer jobs there. Alongside his studies, he has also been working in automation installation for several years and later in programming and commissioning. Jaakko's responsibilities nowadays also include Pinomatic Wood Vision scanner installations and commissioning as well as servicing them. Jaakko graduated with a BEng (mechatronics) on 31 May 2006. He also wrote his thesis on Pinomatic, regarding an automation plan for a destacking machine equipped with servo motor use.



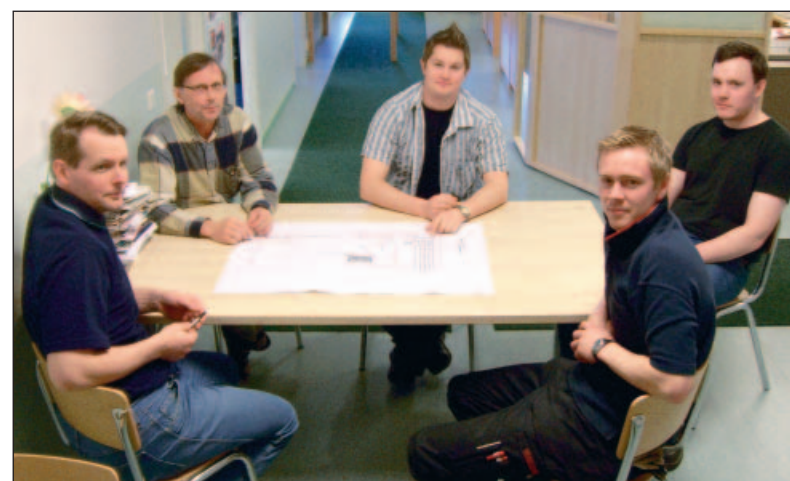
Janne Salomäki joined the Pinomatic Ltd planning team on 15 May 2006. Janne began at Pinomatic on 1 April 2005, working in the machinery parts manufacturing, assembly and installation department. This practical experience will now be put to use at the planning table. Janne is trained as a mechanical technician and has prior experience in assembly and export installation work.



PUUNTYÖSTÖ WOODWORKING

Pinomatic will exhibit at Woodworking fair in Lahti in October 2006

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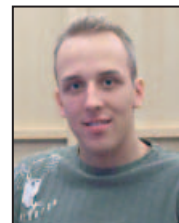
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