

# HEINOLA news

HEINOLA SAWMILL MACHINERY INC. Customer Magazine

## Team HEINOLA takes care!



SPARE PARTS



MECHANICAL MAINTENANCE



AUTOMATION MAINTENANCE



CONTRACT AND PREVENTIVE MAINTENANCE



REMOTE SERVICES



MODERNIZATION

"HEINOLA teams work with their clients to continue actively providing help after delivery of new equipment. The most typical services are naturally the provision of various spare parts from a range of thousands of different parts. Alongside our own manufacturing and our component suppliers, we have built a network of dozens of sub-contractors to support the sometimes very urgent needs of our customers," says **Antti Vepsäläinen**.

Alongside the spare parts service, **HEINOLA Care** also takes care of mechanical and automation maintenance. Contract-based maintenance work involves pre-defined maintenance cycles and action at the customer's site, before the symptoms of faults can interrupt production.

Automation increasingly involves various customer-specific functional changes in production, measuring equipment, and reporting. **HEINOLA**

**Care** also assists with sawmill start-ups in different parts of the world.

Small-scale sawmill modernisations are also handled through **HEINOLA Care**. As market conditions for sawmills constantly change, so do the requirements for sawn timber and its production volumes. In these situations, necessary plant modifications are carried out together with HEINOLA engineering and project teams.

"The variety of after-sales services to customers is very broad and, in the future, we would like to refer to this activity by what we consider a more fitting name. We are therefore introducing a new concept and a new name: **HEINOLA Care**," says **Kari Kiiskinen**. At the same time, we are introducing a slogan to describe our operations: "Team HEINOLA takes care!" ■



KARI KIISKINEN, Managing Director

## A BUSY START to the year at Heinola

**AT HEINOLA**, we were very busy at the start of the year and in spring, working on several modernisation projects of different types and sizes. Fortunately so, because in early winter investments still seemed to be waiting to get under way. However, deals for new investments then showed comfortable growth at fairly short notice. Meanwhile, we were able to release important new results of our product development for several product areas at once.

The new HEINOLA **Scala sawline range** allowed us to complete one extensive sawline renewal as well as two secondary breakdown investments. New **edger automation** with double-sided measurement and even higher throughput, and a stronger **edger**, was also made ready for summer delivery.

Many HEINOLA **chamber kilns** have recently been installed. In addition, there is now also a **rust-proof HEINOLA progressive kiln** for installation during the summer.

At the autumn trade fair, we will again have much more to tell about these and many other matters. In this issue, you can read the first detailed news about new product investments, their buyers and many other good things. ■

### HEINOLA Scala double-arbour saws



- vertically placed sawing axles
- short cutting unit
- excellent surface finish
- small radius in curvesawing
- small kerf width



## THE KEITELE GROUP

will invest  
in additional  
capacity

**HEINOLA** will deliver a **progressive kiln** and related buildings to Keitele Engineered Wood. The new drying kiln will be supplied with a **HEINOLA control system**. The kiln has an annual capacity of about 40,000 m<sup>3</sup> of sawn timber dried to 12%. The kiln will serve Keitele sawmill's production when it begins work in September 2013.

Keitele ordered new **edger automation** from HEINOLA, which was installed in July 2013. The delivery included a new **HEINOLA CE 400** edger for thicker material, as well as new measuring equipment for two-sided volume optimisation. ■



### NEW HEINOLA CE 400 EDGER

- Edger speed 420 m/min
- Cutting power 2x90 kW
- Output piece max. 75x300 mm
- Two blades
- Electric servos
- Machine rotation in skew cutting



## EUROSAHA

renewal  
at Versowood

**HEINOLA's** modernisation of Versowood Oy's Eurosaaha sawmill reached the installation stage during the summer. In phase one, the feed to the sawline will be renewed using **HEINOLA Scala** sawline equipment, as far as the **secondary breakdown chipper canter**. The delivery also includes new **logic controllers** and **process software** for the sawmill's input, main sawline, edging, and green sorting.

Equipment installation took place on schedule in the heat of July, and the new features are already being brought quickly into use.

The current Eurosaaha line was built in 1992 and will be renewed in three stages. The entire

development project is to be completed over the period 2014-2015.

"It was a good time to start renewals, when the automation was also approaching the end of its life. With this overhaul, the efficiency of the line will increase significantly," says Versowood President, **Ville Kopra**.

Kari Kiiskinen, Managing Director of HEINOLA, is pleased that the long-lasting cooperation with Versowood has continued: "It's great that there is such a major player in the same economic zone, and that they have confidence in HEINOLA. Versowood has been a good and reliable partner for decades." ■

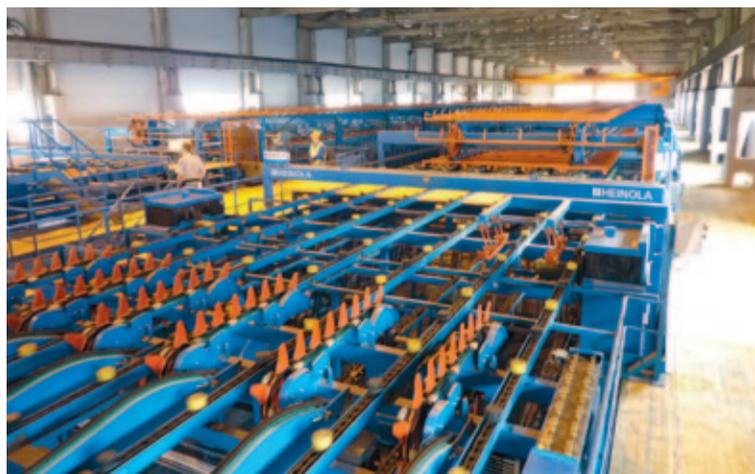


**A NEW DOUBLE-ARBOUR** resaw for ER-Saha of Viitasaari, provided from the **HEINOLA Scala** collection, was brought online in early August.

The new resaw replaces a HEINOLA single arbour resaw which has already seen long use. The new saw further improves the good efficiency and utilisation ratio of the sawmill.

At the same time, the **HEINOLA bandmills** in the first unit were equipped with **adjustable upper controls**. These controls can be brought closer to the upper log surface, according to the size of the logs, at the same time improving piece measurement accuracy. ■

## ER-Saha trusts IN HEINOLA



## The new sawmill at **LESOSIBIRSK** was inaugurated

**NORDIC** sawmill technology is at a premium in Russia, where HEINOLA has just made a significant delivery and installation. The huge LDK-1-sawmill at Lesosibirsk in Siberia renewed two sawlines, for which HEINOLA provided two **green sorting plants** and two **stick-stacking plants**. All the other parts of the new sawmill were also made in Nordic countries.

LDK-1 has been familiar to HEINOLA for decades - from a time when the country was still

the Soviet Union and reciprocating saws were still in use. At that time, HEINOLA supplied the sawmill with lumber handling equipment, under the name of Plan-Sell. LDK-1 is one of Russia's biggest sawmills, and the annual production of the new plant is expected to reach about 500,000 cubic metres of timber. The vast timber reserves of Siberia are spread around the mill, which uses around one million cubic meters of wood yearly.

Around midsummer, the com-

pletion of a new line was celebrated at the Lesosibirsk plant in the Krasnoyarsk region. "The memorable inauguration of the new sawline included equipment testing, glowing speeches, and some much-admired music from local youth," says HEINOLA Managing Director Kari Kiiskinen. The Siberian heat was also unforgettable, with the temperature rising to about 35 degrees Celsius. ■



## More durable and practical **HEINOLA CHIPPERS**

**THE HEINOLA 1310 ES AND HEINOLA 910 ES MOBILE CHIPPERS** for 2013 are even more durable than before, since a number of components have been further strengthened. For example, the pivoting of the anvil bar, the upper feed roll, and the power transmission links for the feed table have been strengthened.

Small design and component changes have led to increased power. The revised chip accelerator profile provides greater chip acceleration and increased

capacity. A larger hydraulic pump provides more power, and a two-part visor improves the accuracy of the chip output.

Chipper maintenance has been made smoother with the aid of a new feed roller structure and easy replacement of worn parts in the accelerator. Improvements to the hydraulics further increase maintenance intervals.

So, good just got better. Contact us at HEINOLA sales for more information about new mobile chippers. ■

## **MOELVEN NOTNÄS** production updated with HEINOLA resaw

**HEINOLA** provided resaw modernisation to the Moelven Notnäs sawmill in July 2013. The delivery included an active curvesawing function for resawing, a new **HEINOLA Scala rotary gang**, and some new conveyors for beam infeed and the separation of side boards and central sections, with related automation produced by Rema Sawco of Sweden. This investment allows Moelven Notnäs AB to raise its efficiency and yield.

**With the HEINOLA double harbour rotary gang**, beams are cut using thinner saw blades. The new **resawing** equipment was successfully brought into service on schedule. The time available for installation was very short, owing to sawmill downtime, but good co-operation between the different players and sawmill staff made it possible to follow the tight schedule successfully. ■



# THE AUTOMATION DEPARTMENT

## is in full swing

**NUMEROUS** spring deliveries have also kept HEINOLA Automation busy. In addition to sawline, lumber handling, and drying kiln deliveries, Automation has handled several maintenance projects on very tight schedules. As the workload and turnover of the Automation department has increased, it has received new young and talented designers, with more being sought.

"From the viewpoint of continuity it is important for us to transfer and share information among younger and more experienced designers. At the same time, we are expanding our expertise in different processes. We have strong expertise, for example, in modernisation and we want to continue improving in future," says HEINOLA Automation Department Manager, **Timo Juntunen**.

Record pressures in spring and summer have forced HEINOLA Automation to fall back on sub-contracted design. A total of 10 external designers are helping HEINOLA's own designers. Juntunen says that a standardised sub-contracting process has been developed at Heinola to ensure the orderly progress of automation deliveries.



### MODULES ACCELERATE

refinement of the HEINOLA automation platform, so that design, testing, and deployment can succeed using the smallest possible team and in the shortest possible time. Work on clarification of the automation system has already begun. With these changes, the designers are able to plan more comprehensive deliveries, so that each delivery does not require several experts. This will reduce costs both in work supervision and in the actual design work.

"We are also standardising all the sawline and lumber handling software

to avoid tailoring an already frequently modified software base to fit new needs. Instead, we use standardised software modules, from which we can assemble software for specific machine units, as projects require," says Timo Juntunen. HEINOLA software has been streamlined and modularised, user interfaces have been revamped, and completely new software modules have been developed, which can provide better and more flexible control of lumber handling. Also, the new **Scala sawlines** involved a lot of automation development, some of which has already been implemented. Par-

ticular attention has been paid to the flow of wood through the sawing process; for example, unlike the traditional method, the positions of the rollers will be directed using circuits familiar in the processing industry. User interfaces have also received a new look, and more innovations are on the way, promises Timo Juntunen.

"For example, we are gathering more and more information about processes, with preventive maintenance in mind. One major innovation is double-sided edge measurement, from which we have a lot of good experience," he says. ■



### ANTTI OJAPALO, joins HEINOLA Care

**ANTTI** started work at HEINOLA in mid-August. He will strengthen the HEINOLA Care team. Antti has known the Finnish sawmill industry for a long time, having worked as a blade merchant for many years. He is a qualified forestry engineer. Antti is 51 years old and married. In his spare time, he likes golf, hunting and junior ice hockey.



### KONSTANTIN KOLOTUSHKIN, selling power in Russia

**KONSTANTIN** started work at HEINOLA in mid-August. After training, he will act as a sales manager for all HEINOLA products on the Russian market.

Konstantin is familiar with the sawmill industry from his earlier work. He has spent several years marketing the expertise of Finnish companies to the Russian market. Konstantin received his university level education in Russian Karelia. He is 35 years old and married.

Konstantin likes to spend his free time with his family and doing exercise.



### TEEMU TIAINEN reinforces auto- mation expertise

**TEEMU**, 28, has reinforced HEINOLA Automation since the beginning of June.

Teemu received his engineer's papers from Tampere but is a local man from Heinola.

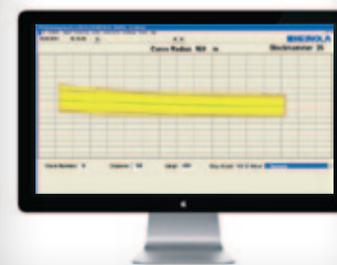
"I made an exciting trip, through Tampere and Vantaa, back to Heinola," he says. Before Heinola Sawmill Machinery, Teemu Tiainen worked in Vantaa, for automation company Kontram Oy.

"Some of the work is similar, but there are also some differences. At HEINOLA, I have already done electrical and logic design on many different

projects. The work has been very diverse," he says.

He has only good things to say about the working environment and his colleagues: "A very warm welcome." Tiainen has lived for some time in Lahti, and his free time is largely given to exercise. His favourite sports are cycling and tennis. ■

### HEINOLA active curvesawing



- Measured wood curve placed on the beam
- Machining following the measured curve
- Better yields
- Small kerf width
- Improved blade life