## PULP FOCUS

THE ROTTNEROS #38
CUSTOMER NEWSLETTER





As a specialist in pulp development and production we are always trying to improve our products. Our goal is to make improvements that not only benefit you as a customer, but also the environment. During the past couple of months, we've taken some important steps on this journey.

The Swedish forests stand strong and continue to grow even though pulp production has increased. Our forests play a leading role in shifting towards a sustainable lifestyle and for every tree that is cut down in the Swedish forest industry, two new ones are planted. The processed forests grow better, enhancing the environmental benefits and increasing output. At Rottneros, we see ourselves as a natural part of this sustainable ecosystem.

When we produce high yield pulp in Rottneros Mill, as much as 95 percent of the raw material becomes pulp and sustainable products. One of these products is the molded pulp tray, manufactured by Rottneros Packaging. As our next step in developing Rottneros Packaging we are building a new production line, which you can read more about in this issue of Pulp Focus.

In our mill in Vallvik, we produce chemical pulp. Not only are 97 percent of all chemicals recycled but the production also produces enough green energy to fuel the mill. An impressive 99 per cent of fuel used at the mill today is fossilfree. Apart from our customers using our chemical pulp for exciting products we are also very enthusiastic about our

new biofuel collaboration. In this issue, you can read more about how extracting lignin can increase our pulp production and at the same time contribute to reversing climate change through participating in the transport sector's energy conversion.

All our daily activities and sustainability initiatives have one thing in common. Our committed and motivated employees. A few of them will be joining me in London for Pulp Week, and we hope to see you there!

#### **LENNART EBERLEH**





ture and fat from the food.

Depending on the use, plastic is either completely eliminated or greatly reduced in products with high barrier requirements, as a renewable and degradable type of plastic can also be used. The specialists at Rottneros Packaging will customize the product to meet your spe-



▶ Rottneros Packaging has had a flying start and are now busy with production for their first customers. To increase the production capacity, a new production facility is now under construction. The factory is being built in Sunne, close to Rottneros Mill, and will be 1,700 square metres.

"The new facility is customized for our operations. It is designed to meet all hygiene requirements and provide our employees with a healthy work environment." says Kasper Skuthälla, Managing Director of Rottneros Packaging.

The production facility will hold several formation and lamination machines as well as a system for preparing the pulp. Outside a 3,500 sqm area is available for trucks to be loaded, personnel to park and possibly, further ahead, a tent for storage. The

facility is conveniently located along the European Route E45 for transportation purposes.

Rottneros Packaging's new facility is expected to be up and running next summer.

"So far, everything is progressing very smoothly and according to plan. The goal is to be ready to start delivering in larger volumes next summer." says Kasper Skuthälla.

In preparation for the capacity expansion, the experienced team has both visited machine suppliers and started developing their own solutions.

"We have great pulp qualities and competence for this purpose so it is exciting to finally get to bring all our ideas to reality. Hopefully, we can also use our expertise to help other companies in this area". ●

# Pulp for every occasion

The possibilities for what our pulp can be used for are more than we can count. Wallpapers, packaging, air filters, electrical applications and laminate floors are just a few examples of end uses for our products. With a wide range of mechanical pulp as well as bleached and unbleached chemical pulp we're ready to help with your special requirements.

#### **ENVIRONMENTALLY FRIENDLY MATERIALS IN YOUR KITCHEN**

Greaseproof paper simplifies kitchen work worldwide while improving hygiene levels. The most important functional property is the resistance to grease, fat and oil. Additionally, it is more environmentally friendly than materials such as aluminum and teflon. Our high-quality and specially designed Kraft Pulp, Robur Flash, provides the perfect balance between tensile strength and tearing, guaranteeing a strong and reliable grease-proof paper.

#### LABELS AND INSOLES THAT STAND THE TEST OF TIME

Our tailor-made pulp fibre blends have also proven to be excellent base materials for many of the leading jeans manufacturers throughout the world. Rottneros world-leading flash dried pulp provides an open fibre structure, where the long softwood fibres guarantee excellent strength and absorption, which are important properties of the end products in this segment such as label packaging and shoe insoles. Made out of natural cellulose fibre and other additives, the products can be printed, laminated, coated or screen printed to suit current trends.

#### **DECORATING YOUR HOME FROM TOP TO BOTTOM**

Decorative laminate floors are examples of end products where saturated paper is used. They are made of paper impregnated with thermosetting resin. The laminate is composed of a sheet of decor paper and sheets of saturated base paper. For producing this saturated base paper, Rottneros High Yield Pulp is an excellent choice. Our High Yield Pulp is also perfect for making wallpaper. The high opacity ensures that the substrate doesn't shine through while the good dimensional stability ensures that the wallpaper remains perfect at all times, even in wet and damp conditions. •

#### **Examples end uses**

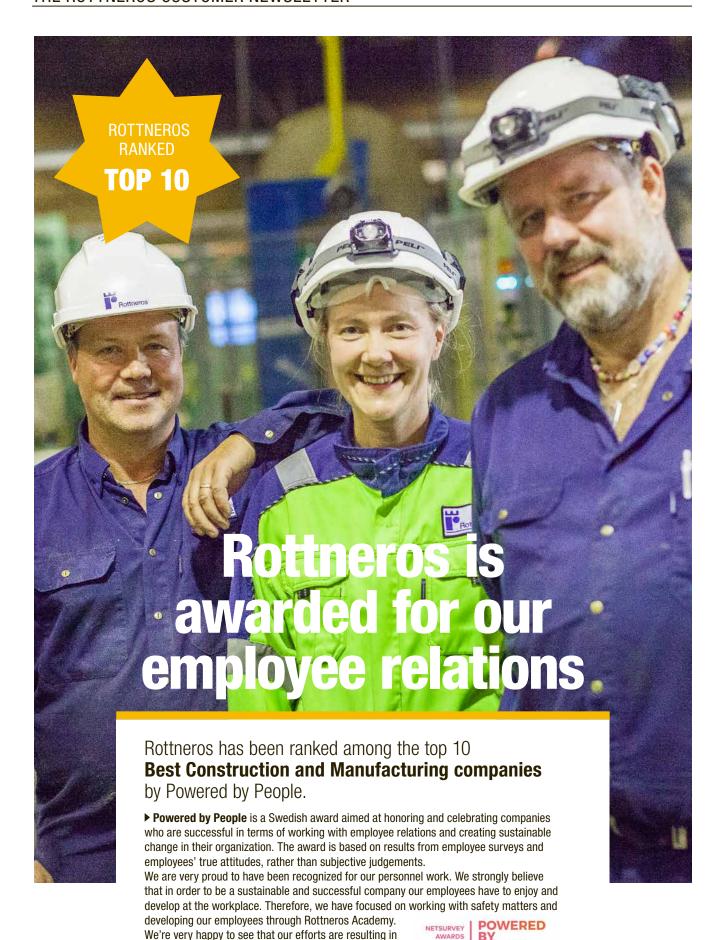












such a positive review from our employees. •



## Sustainable investments that benefit both production and the environment

As part of the Group's long-term development plan, Agenda 500, several investments have been made in our mills. We strive to make investments that not only benefit our production capacity but also the environment.

#### Vallvik Mill

▶ At Vallvik Mill, where Rottneros produces chemical pulp, an impressive 99 per cent of the fuel used today is fossil-free and 97 percent of all chemicals are recycled. Within Agenda 500, investments to improve production capacity and pulp quality while decreasing emissions have been made. The most recent investment is the new washing press that was successfully installed during October.

"The new washing press will make the washing much more efficient, improve the working environment for operators and decrease emissions from the bleaching department." says Per-Arne Nilsson, Project Manager at Vallvik Mill.

"The installment went well and I'm really happy to see how our team has worked together on this project. They've done a great job, from idea to operation start", says Per-Arne Nilsson.

#### **Rottneros Mill**

▶ "The paper industry is replacing plastic with fibre products, and in general, plastic articles are increasingly questioned. So, our investments in this field have a good timing. There is a growing demand for increased sustainability." says Olle Dahlin, Managing Director of Rottneros Mill.

At Rottneros Mill the most recent investment is a new bio mass boiler which supplies the drying process with heat. The new boiler is fired with bark and fuel chips making the Mill's energy consumption essentially fossil-free.

"In the future, we should be able to use our own sludge to fuel the boiler. Then we will almost have a closed eco system at the factory." says Olle Dahlin.

While the bio mass boiler is now in full use, the new anaerobic purification stage for the wastewater, where also biogas will be produced, is still under construction and won't be ready to use until next summer. But investments have already started paying off and production is now up to about 170,000 tonnes per year.

"The installing of the bio mass boiler was a success and once all investments are in place, we should be able to approach 200,000 tonnes," says Nils Hauri, Production Manager at Rottneros Mill.

### MEET US AT LONDON PULP WEEK!

If you want to get a chance to meet the Rottneros team in person this fall, representatives from all our business areas will be attending the London Pulp Week from 6th to 10th November 2017.

We hope to see you there!



