



Stand out with these eco-friendly labels from Optimum Group™

***Sustainable, productive and beautiful!***

***Linerless Labeling***

More information:  
[www.optimumgroup-printing.com](http://www.optimumgroup-printing.com)



# Linerless Labeling

## Sustainable, productive and beautiful

Sustainability and productivity are very important in the packaging process.

Our linerless labels play on both directly 60% less material consumption and no waste during processing for durability. More labels per roll and variable label height for fewer changeovers, more standardization and higher efficiency.

We produce our linerless labels in our own production facility, where we offer a wide choice of materials and printing.

We always develop the perfect linerless label for different applications, in different shades and with continuous printing. Here, too, our customisation ensures the linerless label that suits you! Ravenwood linerless Labels with the Nobac sleeve machine form a class of their own.

With high-quality printing and labelling options on a wide variety of trays, this label is the pearl for your marketing

and the express train in your packaging line. Let the standardization with stripe gluing take the worry out of you and let your packaging stand out on the shop shelf.



# Also with linerless labels Optimum Group makes your brand!

## Linerless labels are the answer to your questions about sustainability and productivity

Optimum Group is a producer of linerless labels (labels without the well-known yellow back paper) and has extensive experience in the successful implementation of linerless labelling solutions.

Ravenwood labels with stripe adhesive and fully adhesive linerless labels have the benefits of 60% less material, no waste to dispose

of, more labels per roll so fewer roll changes. The variable label height with fully adhesive linerless further contributes to standardisation and productivity. High quality printing and the choice of materials and adhesives ensure you get the right label for your application. The extensive range of linerless labelling machines, such as the Nobac sleever, gives you

unprecedented possibilities: skinpack, d-wrap, full-wrap, c-labeling, slideble, underlabelling, scale labelling. Ask us about the possibilities!



## BRC-IoP certification

We have been awarded AA grade BRC-IoP certification, proof of our production of food grade products!

Food producing companies, food processing companies and consumers all impose stringent requirements on products and packaging materials, and attach great importance to issues including food safety, environmentally-friendly production, track & trace and reliable information on the country of origin of products and their packaging. The British Retail Consortium (BRC) and Institute of Packaging (IoP) have jointly laid down criteria to be met by packaging materials producers.

The BRC-IoP standard is regarded as the standard for all producers of packaging materials, including label producers. Optimum Group has been awarded grade AA BRC-IoP certification – proof that the production of your food grade labels is in reliable and expert hands when you call on us!

# Ravenwood - Nobac 5000

## The flagship linerless applicator

Ravenwood's most recent innovations include the labelling of Skinpack and Slidable packaging with linerless labels. This in turn proves how unique the machines are.

An important advantage of the skin pack line is the perfect material for labeling 'protruding' packaging, where product protrudes above the scale. As a result, fewer types of trays are needed for different products AND the trays can be smaller. In addition to the linerless labels for labelling

without waste, this also leads to less packaging material.

The slidable label is a linerless label like no other. It slides over the packaging just like a cardboard sleeve. This packaging machine allows automatic labelling and is particularly suitable for large quantities, such as freshly prepared meals, thus helping to increase the speed in the packaging line.

The Nobac 5000 labels up to 150

packs per minute, maximum width 500 mm, height between 55 mm and 120 mm on packs up to 120 mm high and 300 mm wide. It can be connected to scales and thus weighed and printed inline.



### *Most important features*

|                          |                    |
|--------------------------|--------------------|
| Label width:             | <b>500 mm*</b>     |
| Label/Sleeve height:     | <b>55-125 mm*</b>  |
| Pack height:             | <b>120 mm*</b>     |
| Speed:                   | <b>150 ppm*</b>    |
| Power Supply:            | <b>230/50 v/Hz</b> |
| Consumption Nobac 5000:  | <b>0,5 kW</b>      |
| Consumption Nobac 5000T: | <b>0,6 kW</b>      |
| Air Consumption:         | <b>4 cfm</b>       |

Uses single phase power and air supply of 5bar 70psi 4cfm.  
\*General range for system. Specific label sizes and speeds agreed at time of build.

# Ravenwood - Nobac 5000T

## Double Head Linerless Applicator

The Nobac 5000 Twin machine is the result of the success of the Nobac 5000 to operate a continuous packaging line. While one unit still prints and labels, in the other unit the label roll can be changed or the format changed. No more stops for label changes and minimal downtime when switching to other packaging.

### Print

The Nobac will be equipped with a print head and can therefore supply variable data in-line to the labels. By linking a scale, the linerless labels are additionally provided with weighing price information.

A small print head has a print range of 53 x 70 mm.

The large print head has a print range of 106 x 70 mm.

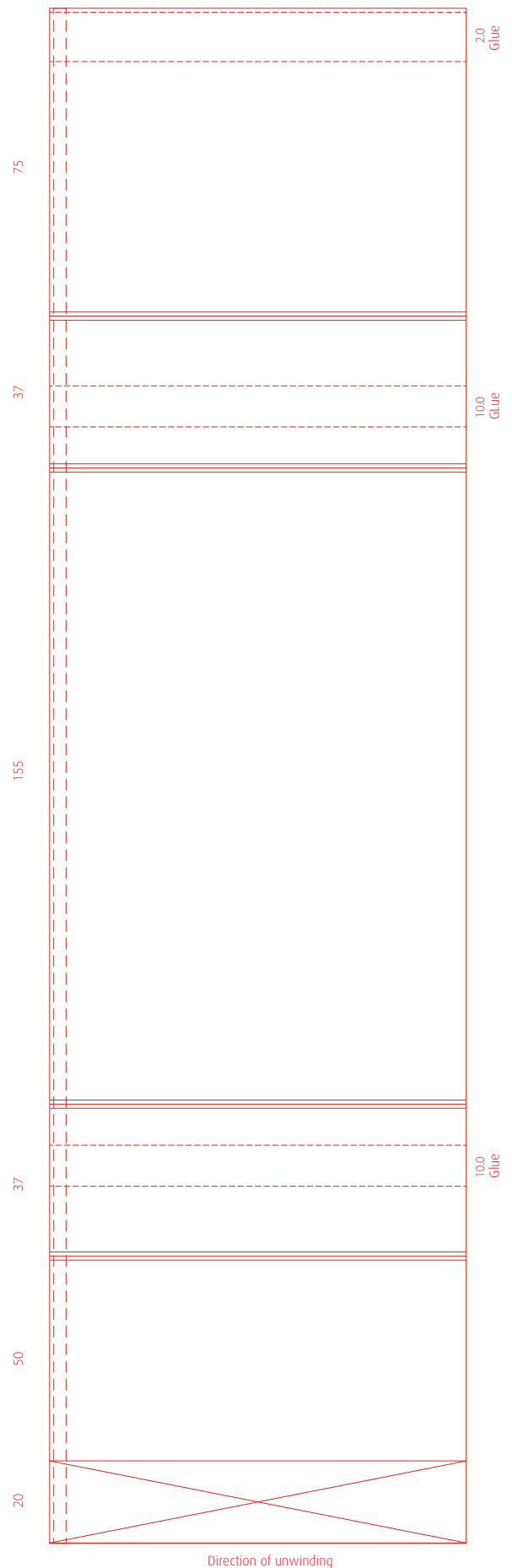


# Keylines

Standardization is the key to success in linerless labelling. In order to perfectly match the label, the packaging and the Nobac, a drawing determines the standard.

This drawing is the 'keyline' and serves as a design document for the marketing department, but also for setting up the Nobac. The keyline guarantees that you can always label without any problems!

*„Standardization is the key to success in linerless labelling“*



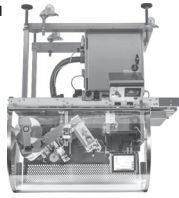
Front



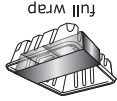
skin pack full wrap protruding up to 25mm above height of tray



Nobac 500



slideable full wrap



full wrap

A number of options.



## Ravenwood

The new way of labeling!

A revolutionary way of labeling - with benefits in terms of cost, presentation, efficiency and environmental impact - that sounds almost too good to be true. Yet the "linerless label" concept of Ravenwood Packaging makes this possible.

The most striking feature of Ravenwood technology is the lack of carrier paper (the "liner"). It is this innovation that leads to major benefits.

[www.optimumgroup-printing.com](http://www.optimumgroup-printing.com)



**Flexible packaging solutions for a sustainable future!**



Renewable



Recycled content



Reduced usage



Enabling recycling



Compostable



Linerless

[www.optimumgroup-printing.com](http://www.optimumgroup-printing.com)

Unwind direction

Back

THE COMPLETE LINERLESS LABELLING SYSTEM

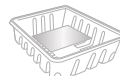
Standard Linerless Labelling

Slideable Linerless Labelling

Ready Meal Slideable Linerless Labelling

Skin Pack Linerless Labelling

Nobac 500/T



top



top & side



top & 2 sides



C-wrap



D-wrap



full wrap



skin pack full wrap



skin pack full wrap protruding up to 25mm above height of tray



slideable full wrap

Nobac 500PP



skin pack full wrap protruding up to 70mm above height of tray

Nobac 500SP



full wrap super protruding from 50mm up to 100mm above height of tray

Nobac 500S



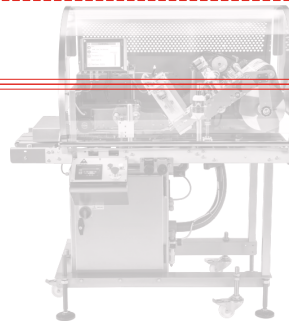
salami full wrap

Nobac 500R



landscape ready meal

Nobac 500



100 glue

75

37

155

37

50

20

100 glue

100 glue



## Use a Ravenwood label as a lid for your fruit packaging?

### Durable and handy

That is possible! At Optimum Group we produce a Ravenwood label that is more sustainable than today's fruit packaging. The top of these apple trays are made of a Ravenwood material and have a number of gripping holes. The apple tray with a Ravenwood lid is the perfect packaging to create recognisability on the shelf and therefore results in a luxurious look, which is also very durable and handy.

Optimum Group's Ravenwood labels contain, as the word "linerless" already describes, no liner or backing paper, which means that up to 40% more labels are applied per roll and considerably less waste is generated during the production process, because even the die-cutting waste is recyclable.

In addition, Optimum Group's Ravenwood labels help reduce carbon emissions by reducing transport, labour and storage costs.





# Create a green turnaround with our Optimum Green products

With our products we make a lasting contribution to sustainable entrepreneurship. Discover our growing range of sustainable packaging and labelling solutions. With the products in our Optimum Green portfolio you will always find a solution that fits your CSR policy. Together we work structurally and sustainably towards a sustainable future.

To be included in this portfolio, at least one of the components must meet one of our sustainability standards: Reduce, Reuse, Recycle, Replace, Responsibility.

## Find out what fits your product.

Our product portfolio is diverse. Take advantage of our linerless labels and take advantage of our thinner blank labels that are even more versatile. Whatever you're packaging, from cosmetics to fresh products, we have the right durable solutions to meet all guidelines. Our specialists will advise you from product to design and share their expertise on how to fit into our production line. Together we look at which sustainability approach suits you.

*„Together we change  
the future of labels  
and flexible packaging  
solutions“*



RENEWABLE



RECYCLED CONTENT



REDUCED USAGE



ENABLING RECYCLING



COMPOSTABLE



LINERLESS



**Optimum Green**<sup>™</sup>  
Sustainable packaging solutions



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