

At Ravenwood, we don't just sell machines, we provide the complete Linerless solution. The 'Circle of Linerless' is a term coined by Ravenwood to encapsulate our joined-up approach to the whole process. We build the coater to make the labels, the Nobac 5000 applicators to apply them and we work with the raw material suppliers to develop the best substrates, adhesives and silicones to



work in a consistent and quality approved manner when they arrive with the packer. Our latest game changing innovation, the VXR®, is the final stage of the process offering end of line quality control. With 'vision', X-ray and seal detection, means that packs not only feature faultless linerless labels but also food products that are free from contaminants.

RAVENWOOD PACKAGING PRESENTS COM 500 COATER



Nobac 5000 Applicator Range
The Nobac 5000 is our flagship applicator and our very latest innovation, building on the core functionality of our Nobac 500 range of machinery. The range is capable of applying a multitude of different linerless label formats, rising to many packaging challenges on a diverse mix of materials including paper, film and card from 170 –300gsm.



Nobac 5000

For enquires regarding aspects of, or a more fully rounded insight into our 'Circle of Linerless' please contact

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VXR®
Vision, X-ray and seal detection with 'Sapphire' Technology. This new, compact and high-tech arrangement provides an all-inclusive process for the seamless production of sleeving, contaminate detection and sealing of trays including faulty labels. Customers will benefit from fully automating their production lines, alleviating the need for manual checks.



VXR®



FOR FAULTLESS LINERLESS LABELS

The Com500 coating machine is the only coating system dedicated to running and delivering high quality Ravenwood linerless labels. Designed to work to the correct specification required for applying labels to food stuffs with applicators that fall under the Ravenwood Nobac 5000 machine range.

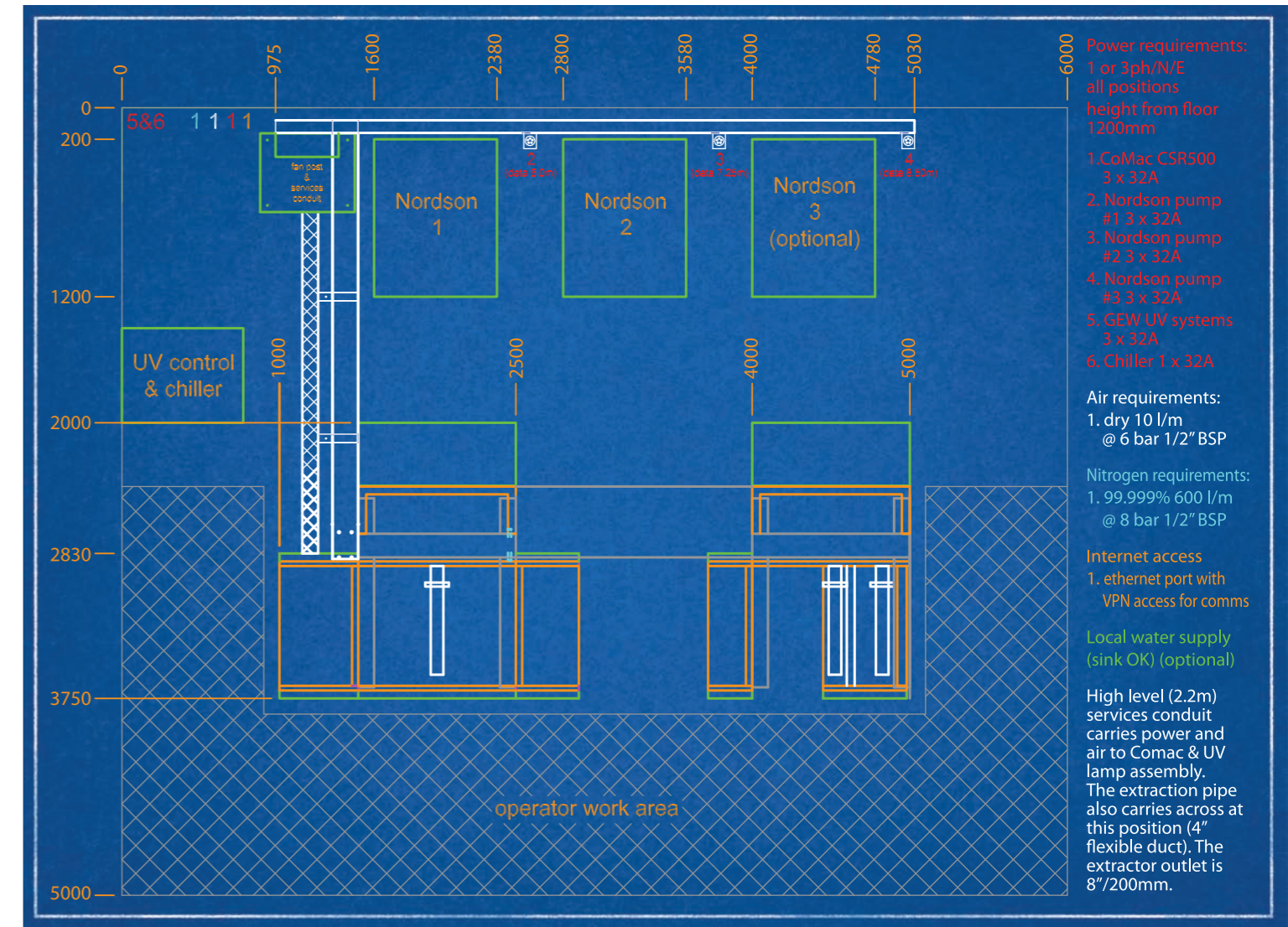
Linerless Explained

A linerless label is a pre-printed pressure sensitive label that has no need for liner or backing paper. The labels are wound on a roll or reel and feature a silicone strip applied to the top of the label that prevents the adhesive from the underside sticking to the label below.

Com500 Coater Functionality

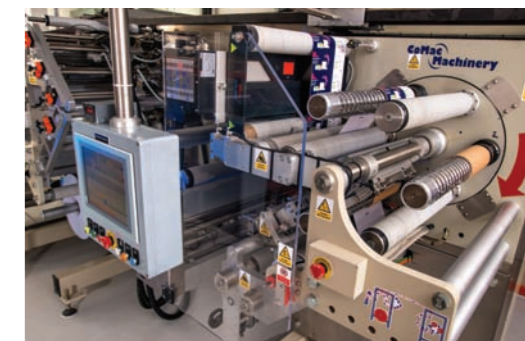
The Com500 is designed and manufactured in the UK to work in accordance with Ravenwood's Linerless System. The machine is of a modular construction with the ability to apply silicone and hot melt adhesive to pre-printed labels, resulting in a 'linerless' label.

- Simultaneous application of pressure sensitive adhesive and UV curable silicone lacquer
- Nordson adhesive pre-melting and delivery system allows for up to 12 slot heads with screw adjustments for glue stripe widths
- NDC automatic glue weight measurement and reporting system
- Variable line widths from 3mm to 45mm achieved
- Slits and rewinds multiple lanes into finished reels, achieved in one pass
- Coating speeds up to 130 metres per minute
- Silicone is cured instantly using a GEW Reino UV curing system
- Finished reels are wound on the 'three shaft turreting system' to required configuration
- Erhardt and Leimer web guidance throughout process.



Com500 Build Statistics

- Dimensions: 4 metres wide / 2 metres deep / 2.7 metres high
- Master reel diameter 1000 mm
- Maximum finished reel length 245 metres
- Substrate width 500 mm
- Schneider PLC automatic control, drive system and electronic components
- Machine operating program to provide automation and control
- Precision engineered and SMC pneumatic components
- Power supply: 415/50V/H



Call Brian today on (0)1284 749144 to find out more on the Com500 including information on cost and lead times. You can also drop us an email at marketing@ravenwood.co.uk.

If you are not looking to purchase a machine, then we are also happy to undertake R&D including contract coating at our HQ in Suffolk.