

27 March 2007

AlphaMatic automates web based product finishing

Web converting specialist Alpha Converting has developed two ALPHAMATIC units – one in-line, the other free standing – that automate the production of web to reel, cut to length rolls, with automatic length count, web transfer, roll close, labelling, finished roll ejection and packaging.

The machines turn stock web sizes into end user sizes that are labelled, bagged, boxed and wrapped in one operation.

Alpha Converting, of Sandy, Bedfordshire, say that its ALPHAMATIC units are a critical advance in the process of roll length cutting, on-machine labelling and packaging for retail sale because they minimise operator involvement by automating the winding, cutting and packaging operations to suit individual products with short cycle times and reduced unit costs.



ALPHAMATIC – free standing unit.



ALPHAMATIC – in-line unit.

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To maintain continuous production, the ALPHAMATIC incorporates integrated accumulators, automatic cut off and reel closure by label or tape, which can be printed with bar codes and other variable information in-line to maintain product integrity and traceability. Cores can also be loaded automatically and the finished roll bagged or boxed with the minimum of operator input.

“Our objective,” says Simon King, Alpha Converting’s Managing Director, “is to increase dramatically finished roll conversion throughput with machines that will improve productivity as well as the quality and presentation of the end product. For any competitive business where added value, cost control and efficiency in the downstream process matter, this is vitally important.”

With a choice of in-line or free standing machines, Alpha Converting is able to offer a tailored solution to suit production needs. Depending on configuration, web widths are from 640 to 2,000 mm, material thicknesses from 25 µm to 2.2 mm and production rates as high as one roll every 25 seconds.

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