

Titan ER610 slitter rewinder helps to boost production for Roberts Mart & Co. Ltd. (UK)



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Markets Served

- Food & drink
- Confectionery
- Frozen & chilled foods
- Household textiles

Roberts Mart & Co. Ltd. is one of the UK's leading converters and supplies a vast range of shrink wrap, laminated film and high quality printed flexible packaging materials to clients in the food and drink, home textiles and paper products industries.

From its manufacturing base in Leeds (West Yorkshire) in the north of England, the company works with all its customers to create reliable, innovative and cost-effective packaging solutions for their individual projects.

Roberts Mart is an independent, privately owned company, established in 1852 and is now managed by the sixth generation of the Roberts family with vast experience at their customers' disposal.

The company has two operating divisions working across two production sites with a combined workforce of 140 personnel. In the

Other Products & Services

- Solvent free lamination
- Paper and film combinations
- Paperstrip laminates
- Pattern cold seal laminates
- High barrier laminates for CAP and MAP applications
- Lidding laminates for ambient ovenable requirements
- Peelable laminates for bespoke trays and base webs
- Eco-friendly packaging solutions using degradable films and papers

last 8 years the company has invested over GBP £15.5m in state of the art machinery, systems and processes, with more investments planned for the future.

In 1852, William Roberts, founder of the company, commenced business as a paper merchant in Leeds and quickly developed production of hand-made paper bags and later commercial printing. William Mart joined the company in 1877 when it became known as William Roberts, Son & Mart.

Between 1954 and 1977, the company continued to expand its business and began to invest in machinery for the manufacture and printing of cellulose film bags. With the later development of the retail sector the company diversified its production in to packaging materials and polythene carrier bags and installed its first Italian 4 colour flexographic printing press in 1977.

A subsidiary company, Romar Packaging Ltd. was established in 1983 for the extrusion and converting of low density blown film, mainly to provide packaging for the household textiles industry. A further two 8 colour flexo printing presses were added in the early 1990s and the first slitter rewinder.

The company re-located to a purpose built production facility in 2004 which was officially opened by HRH Prince Andrew, The Duke of York. In 2009 Mr. John Roberts marked his 65th birthday by handing over the day-to-day management of the company to his two sons, William & Ben.

Since 2004, further £multi-million capital investment has been made in a wide range of converting equipment which enabled the company to double its turnover to GBP £21million by the end of 2012.

The Facility

- Purpose built state of the art factory
- Extremely hygienic and clean - suitable for processing direct food contact packaging
- Plenty of scope for continued expansion
- Customer and staff friendly
- High quality extrusion hall



The recently installed Bobst F&K 20SIX CI flexographic printing press is the centrepiece of the impressive & extensive production facility at Roberts Mart & Co. Ltd.

Roger Astell, Communication Manager for Atlas Converting Equipment Ltd. met Mr. William Roberts, Managing Director and Mr. Mick Stocks, Production Manager of Roberts Mart & Co. Ltd. to find out how the Titan ER610 slitter rewinder has helped to boost production for the company.

RA: *What were the main reasons for deciding to purchase the Titan ER610 compact slitter rewinder and when was it commissioned?*

WR: With the addition of a new 8 colour Fischer & Krecke flexo printing press at the end of 2009 our business was expanding rapidly and we needed additional slitting capacity. The Titan ER610 model was perfect for our requirements being compact and able to run at up to 450 m/min. and was commissioned at the same time as the flexo press.

Having installed a Titan SR8 duplex slitter rewinder several years ago, we already knew how reliable and how well the Titan technology performs. The ER610 is a good machine and has been running well 24 hrs / 5 days for three years now, with no problems.



Roberts Mart & Co. Ltd.
Main reception

RA: *What is the current application for the Titan ER610 and for which types of materials?*

WR: It is mainly processing flexo printed 20 – 25 micron OPP and LDPE films up to 1350mm wide for flexible packaging. Some laminates are up to



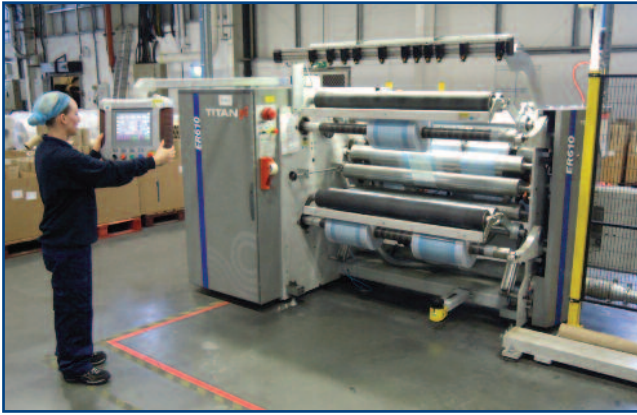
40-50 micron or even up to 100 micron. We also process one laminate at 200 micron thickness.

Most production is at 100mm slit widths for confectionery, coffee, frozen & chilled foods, tissue overwrap and at 150mm widths for ice cream packaging. Generally, rewind diameters are between 300 and 400mm and some reels can weigh up to 70kg.

Materials Processed

- *OPP film*
- *LDPE film*
- *Collation shrink films (multi-packs)*
- *Tissue overwrap*
- *Laminates*
- *Technical films*
- *Paper products*
- *Lidding films*
- *Laser scored films*

“The ER610 is a good machine and has been running well 24 hrs / 5 days for three years now, with no problems.”



The Titan ER610 compact slitter in action at Roberts Mart & Co. Ltd., Leeds, UK



Roberts Mart & Co. Ltd., has a long and distinguished history in the converting industry

RA: *Was the installation completed on time and to your satisfaction?*

WR: Yes. Having your engineers based only 2 – 3 hours away was a great help, but the whole installation and commissioning was completed in no more than two days and on schedule.

RA: *What have been the main benefits of the Titan ER610 and what do your slitter operators think of the machine?*

WR: We have several operators including two female operators working different shifts on the machine who find it really easy to operate, especially with the touchscreen controls.

The ER610 is very reliable and web threading is very quick and easy to do. The knife assembly is also excellent and superior to the other slitter rewinders we have in operation.

RA: *What other slitter rewinders do you have in operation at Roberts Mart?*

WR: Over 10 years ago we had an Ashe slitter but that has since been replaced. The Titan SR8 was installed in 2004 and is still running very well.

We installed a Comexi slitter rewriter in 2006 and with a new Comexi flexo press in 2008 we also installed a Proslit Duo slitter supplied by Comexi at the same time.

RA: *Would you invest in further equipment from Atlas or Titan in the future?*

WR: Yes, we would not hesitate to consider further investment in a Titan slitter rewriter. The design and engineering quality is very high and overall machine performance is excellent.

We can also see that the latest SR9 Series machines provide a very versatile & flexible solution with the turret rewriter high on our list for further investigation in the near future.



Mick Stocks, Production Manager

MS: I have worked with Titan slitters for many years and always found them to be very robust and very reliable. In fact, the Titan SR8 and I joined Roberts Mart at the same time!

I am not saying that we have not had any problems at all, but if there were some issues with the Titan machines they were resolved very quickly and efficiently by the after sales service engineers based in Bedford. The ER610 is a great compact slitter and Lizzie loves working on it!

“The ER610 is a great compact slitter and Lizzie loves working on it!”



Product Summary: Titan ER610 Slitter Rewinder

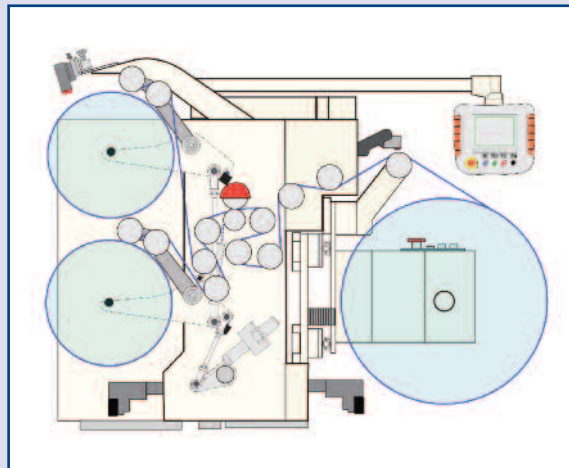
Machine Specification

Technical Data

Web Width	1350mm (53in)	1650mm (65in)
Maximum Unwind Diameter	1000mm (39in)	1000mm (39in)
Rewind Diameter	610mm (24in)	610mm (24in)
Maximum Speed	450 m/min (1476 ft/min)	450 m/min (1476 ft/min)
<i>Option</i>	550 m/min (1800 ft/min)	550 m/min (1800 ft/min)
Min/Max Slit Widths	50mm/900mm (1.97 / 35in)	50mm/1100mm (1.97 / 43in)
<i>Option</i>	25mm/900mm (1 / 35in)	25mm/1100mm (1 / 43in)

Materials

Film	Plain, printed, coated or metallized from 20 to 200 micron
Laminates	Various materials from 20 to 200 micron
Paper & Board	Paper from 40 to 200 gsm



The Titan ER610 twin-shaft cantilever slitter rewriter is the fruit of extensive market research and exhaustive design and development work by Atlas Converting Equipment Ltd., to bring a more compact and cost-effective solution in slitting & rewinding technology.

The ER610 is an affordable, high performance slitter making it a cost-effective solution whilst benefiting from established and reliable Titan slitting technology. Delivery is quick following order confirmation and like all Titan equipment it has the benefit of global customer service & support operations.

This innovative and more environmentally friendly slitting & rewinding solution helps to make a contribution towards the reduction of carbon emissions, thereby helping to protect the environment through:-

- Reduced power consumption
- Eliminating hydraulics for oil-free, hygienic operation
- Using unlubricated compressed air for zero oil / air emissions
- Less steel in a more compact design
- One piece construction for rapid installation & start-up
- Shipping in one 20ft container for reduced logistics

The ER610 is designed to process 1350 and 1650 mm (53 & 65 in) web widths at a maximum running speed of 450 m/min (1476 ft/min) with an option for 550 m/min (1800 ft/min).

The minimum slit width is 50 mm (1.97 in) with an option as narrow as 25 mm (1 in) and a maximum rewind diameter of 610 mm (24 in) on twin cantilever differential rewind shafts.

The machine also features an integral edge-trim extraction system and an integral shaftless fixed-height unwind, with an option for parent roll floor 'pick-up' also available. The pneumatically controlled braking system provides accurate web tension control and a digital edge / line guide system controls lateral movement of the unwind reel to +/- 50 mm.

The ER610 includes the high-speed diskless I.P.C. (Industrial Personal Computer) with a 10" flat touch-screen terminal, non-language symbols, compact flash memory and fault diagnostics.

Slitting systems available are shear knives, rotary razor (burst) or razor slitting in air or groove. Optional features include a static electricity control system, laser (line) core positioning, EU safety area laser scanners and unwind roll pick-up from floor.



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To view the complete video of the Titan ER610 slitter rewriter, please visit our website at www.atlasconverting.com/solutions/view/er610