



## Atlas meets increasing demand for 10.4m wide primary film slitters in China



**10.4m wide Atlas CW1040 primary film slitter during commissioning at Jiangsu Hengchuang Packaging Material Co. Ltd.**

*"Atlas is currently providing more than half of the primary film slitters in China at widths between 8.0 and 8.7 metres."*

Investment in plastic film production lines in China has been dramatic in recent years and 2014 has been no exception. More than 30 film lines were either announced or commissioned with the vast majority over 8 metres in width and 3 lines at 10.4 metres wide. Two new 10.4m wide film lines were commissioned in China and in full production by the end of 2014.

But the trend towards 10.4m film lines in China is not new. Atlas commissioned the first ever 10.4m wide primary slitter rewinder for BOPP film in China as long ago as 2003. Prior to that, three other 10.4m wide Atlas film slitters had been installed, one as early as 1998 in the USA and two in Italy two or three years later.

This recent strong period of investment in plastic film production in China is a reflection of the constantly growing demand for film to service the rapidly expanding requirements of the flexible packaging industry in both food and non-food applications. To a great extent this is servicing the on-going expansion and development of the retail sector in China's major conurbations.

One 10.4m wide Atlas CW1040 Series primary film slitter was commissioned before the end of 2014 at Jiangsu Hengchuang Packaging Material Co. Ltd., which is located

in Jiangyin city, Jiangsu Province approx. 150km north-west of Shanghai.

Another 10.4m wide Atlas CW1040 due for installation in China during 2015 will then bring the total to six Atlas primary film slitters in operation worldwide at 10.4m wide processing BOPP film, three of which will be in China.

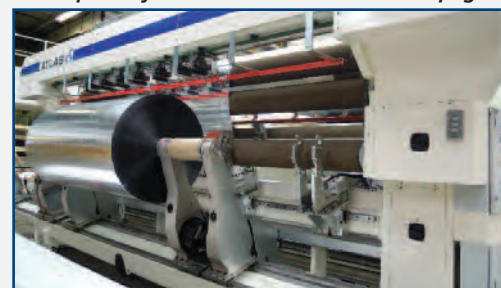
The new Atlas CW Series film slitters, first introduced in 2012, now comprises three models – the CW3600, CW1040 and the CW5400 Series launched during 2014. These three formats cover web widths from 2.5 to 10.4 metres and more than 60 Atlas CW Series film slitters have now been sold to many film producers across the world.

"Atlas has been very successful in developing business for plastic film slitters for many years, having sold its first machine in China almost 30 years ago when plastic film production began to take off," explained Stan Braycotton, Sales & Marketing Director for Atlas Converting Equipment Ltd.

"This was only a 3m wide film slitter but the majority of the Atlas primary slitters sold since then have been above 6m wide – film production lines gradually increasing in width over the years."

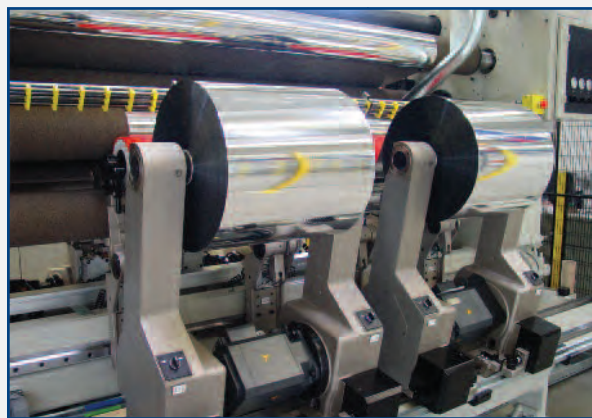
"In the current wave of investment in polypropylene film production in China, Atlas is providing more than half of the primary film slitters at widths between 8.0 and 8.7 metres. Whilst China entered this industry later than many other countries, it has now become the biggest and most technologically advanced producer of plastic film in the world," he concluded.

**More information on the success of the Atlas CW Series primary film slitters can be found on page 3.**



**Recently launched Atlas CW5400 Series film slitter**

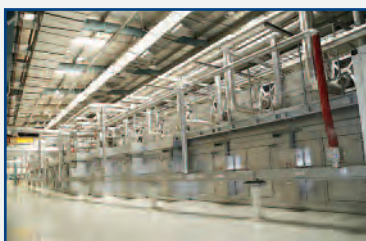
## Sumilon Industries Ltd. (India) to install two Atlas CW800 slitter rewinders for metallized film & yarn production



**The Atlas CW800 slitter rewriter now has more than 100 installations worldwide**

*'The Atlas CW800 has become the benchmark slitter rewriter for metallized film producers globally.'*

**8.7m BOPET film line installed in 2013 at Sumilon Industries Ltd.**



The heritage of Sumilon Industries Ltd. reaches back to the year 1970 when the late Mr. Shri Sumanlal Atmaram Jariwala first began trading metallic yarns and imitation jari kasab (metallic thread). Following many years of business expansion, Sumilon Industries Ltd. was floated in 1996, emerging as a major

player in the metallic yarn industry.

Today, the Sumilon Group, with its Head Office located in Surat, Gujarat State, approx. 250km north of Mumbai, is the largest manufacturer of metallic yarn in India. The company has acquired a share of approx. 35% of the domestic market with annual sales turnover reaching INR 3bn Rupees (USD \$50m) in 2014.

Business expansion led Sumilon to invest in an 8.7 metre wide polyester (BOPET) film production line in 2013 at its production facility in Gandhidham, in the Kutch region of Gujarat and more recently in the sphere of slitting and rewinding capacity.

Early in 2015 the company will install a 2.85m wide Atlas CW800 slitter rewriter for processing metallized polyester film at this plant which is located close to the important port of Kandla - with a second 2.85m wide Atlas CW800 film slitter scheduled for delivery later in 2015.

For many years, the Atlas CW800 individual station centre winder has been a very successful slitter rewriter for processing various types of both plain and metallized films with more than 100 machines now installed worldwide.

Its design enables easy change of unwind options, slitting systems and machine accessories such as edge trim systems and finished roll handling, using the same principles and technology as the larger Atlas CW Series primary film slitters which are supplied at up to 10.4 metres in width.

The CW800 has a maximum running speed of 1000m/min., a maximum unwind and rewind reel diameter of 1200mm and the high performance specification of this machine has

led it to become the benchmark slitter rewriter for metallized film producers globally.

"We are delighted to have been selected as the preferred supplier of two new Atlas slitter rewinders for Sumilon Industries. We wish the company every success with the business expansion in India" commented Peter Turner, Regional Sales Manager for Atlas in India.

Sumilon Industries Ltd. provides a wide range of product variety in normal & fancy metallic yarns. The company manufactures all the raw material to produce metallic yarn from plain polyester film to various intermediates and chemicals, to dyestuffs and packaging materials like ABS/PP bobbins.

"We look forward to Atlas playing an important part in our exciting plans for business development," explained Mr. Jignesh Jariwala, Director of Sumilon Industries Ltd.



**Parent reels of BOPET film accumulate for slitting & rewinding**

"Having a local Service & Support Team in Mumbai was an important factor in deciding to partner with Atlas," he confirmed.

Sumilon offers 300 varieties of fancy metallic yarn to textile weavers, knitters, embroidery units and the handloom sector. It also takes pride in being India's only company manufacturing yarns by pure silver metallizing on BOPET film.

"Our product range not only includes metallized, lacquered and laminated polyester film for metallic yarn applications. We also manufacture tracing and drafting film, holographic film, hot melt glue film, stamping foil, glitter powders as well as dyed yarns and embroidery threads to be a complete 'one-stop-shop' for the requirements of the textile sector," Mr. Jariwala concluded.

In addition to an extensive customer base in India and South Asia, Sumilon is also expanding its export business to many countries in Europe, the Middle East, South America, the USA and Africa.



## Uniscite, Inc. (USA) starts-up new 8.7m BOPP film line and Atlas CW1040 Series primary film splitter

Uniscite, Inc. was incorporated in 2011 in Gray Court, near Greenville, SC in the United States by Shanxi Guofu Guorui Investment Co. Ltd. of China to manufacture BOPP film.

Uniscite, Inc. is the first Chinese owned company to invest in the plastic film industry in the USA and commissioned an 8.7m wide BOPP film production line at its 300,000 sq. m. green field site in Laurens County, South Carolina in September 2014.

The company's total investment of over USD \$77m has made it the largest investment company from China in the south-east of the USA. The new film line is the first BOPP film line to be commissioned in the USA for more than 7 years. The line is complemented by an 8.7m wide Atlas CW1040 Series primary film splitter, which started production in November 2014.

Major benefits of the new Atlas CW Series splitter rewinder technology include higher efficiency, increased productivity and reliability, higher quality rewind reels, reduced noise levels and more effective, operator-friendly control systems.



**The recently commissioned Atlas CW1040 primary film splitter in action at Uniscite, Inc.**

This latest Atlas technology features wireless rewind arm positioning, automatic knife positioning and direct drive web path rollers ensuring optimum web tension for films as thin as 6 micron and up to 125 micron at speeds up to 1,500m/min.

Electrical cabinets are now fully integrated in to the machine to reduce the space required for installation with 'under floor' service channels no longer required.

With the most advanced BOPP film production lines in the industry, Uniscite will eventually have a production capacity of 70,000 tonnes per year of multi-layer co-extrusion films in the USA with production lines running at 500m/min.

The company's website states that 'Uniscite's vision is to be the leading supplier of plastic film solutions worldwide – through innovation and enhancement of customer productivity'.

"The new generation Atlas CW Series primary film splitters have been designed to cope with the increasing speed of film production lines and do not just rely on a sustainable, increased running speed to achieve this," explained Stan Braycotton, Sales & Marketing Director of Atlas Converting Equipment Ltd.

"They also have faster acceleration and deceleration cycles. Compared to a conventional primary film splitter running at 1,500m/min. producing rewind lengths of 8,000m, the Atlas CW Series has a faster rewind cycle, but at only 1,200m/min.," he added.

"The Atlas CW 1040 Series primary film splitter is part of the company's quest to be one of the top plastic film suppliers in the USA and eventually around the world," confirmed Ms. Fang Wang, Chief Operating Officer of Uniscite, Inc.

"We are very honoured to be part of Uniscite's exciting new business venture in the United States and we wish Ms. Fang Wang and the entire team at Uniscite every success for the future," Stan Braycotton concluded.



**The 50 acre green field site and new Uniscite production facility during construction in Laurens County, South Carolina**

*"The new Atlas CW Series primary film splitters have been designed to cope with the increasing speed of film production lines."*

**Uniscite, Inc. is the first Chinese owned company to invest in the plastic film industry in the USA**

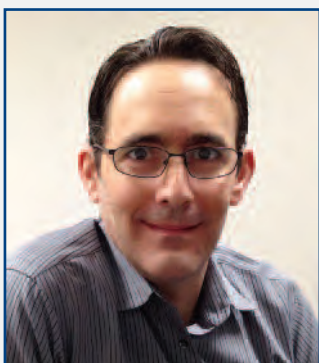


# Mexico's leading converters' vote of confidence in Titan slitter rewinder technology



**The Titan SR9-DT Dual Turret rewinder at the recent Titan 50th Anniversary Open House was sold to an important converter from Mexico**

*"The Titan customer portfolio in Mexico includes many of the country's key players in converting flexible materials."*



**Thierry Fontolliet, Gen. Manager  
Atlas Converting N. America, Inc.**

It is a fitting tribute to Titan in the year of its 50th Anniversary that sales of the range of slitter rewinders far exceeded expectations for Atlas Converting Equipment Ltd. – none more so than in North America.

In addition to the USA and Canada, many of Mexico's leading converters have installed various Titan slitter rewinders in 2014 which reflects the continuing expansion and development of the flexible packaging sector in Mexico.

The converting industry in Mexico maintains a very high standard of quality in all processes – from film production through to coating, laminating, metallizing, printing and slitting & rewinding.

Mexico has always been a very important export market for both Atlas & Titan slitter rewinders. Many of the country's producers of plastic film have installed Atlas primary film slitters on their film production lines over the decades, since Atlas was established in 1976.

However, it is Mexico's many leading converters of flexible packaging materials who have benefitted from the advanced technology and reliability of Titan's high performance slitting & rewinding solutions.

"Titan commissioned several machines in Mexico during 2014 including the compact ER610 duplex model, the latest SR9-DT Dual Turret rewinder and also the SR8 duplex slitter rewinder," explained Thierry Fontolliet, General Manager of Atlas Converting North America, Inc. based in Charlotte, NC and responsible for all sales, service and customer support in North America, including Mexico.

"The Titan customer portfolio in Mexico includes many of the country's key players in converting flexible materials," he confirmed.

In its 50 year history, a significant number of Titan slitter rewinders have been installed in Mexico and, together with the larger Atlas slitter rewinders, there are more than 100 installations across the country.

Many of the older machines have also been upgraded to improve productivity.

Atlas & Titan customers are well supported with a locally based, Mexican Service Engineer and Spanish language staff available for all spare parts requirements at Atlas Converting North America, Inc.

The recently launched, new Atlas & Titan website is also now available in Spanish as well as English and French to further support the company's global customer base.

The Titan SR9 Series launched in 2012 provides solutions for both duplex and dual turret rewinding and has been designed to meet the high volume and high productivity levels that the flexible packaging sector demands.

It is available in 1650mm and 2250mm machine widths and many new features provide exceptional performance, high productivity and high quality rewind reels at running speeds of up to 1,000m/min.

The Titan ER610 slitter rewinder is available in two widths – 1350 and 1650mm – with slit widths as narrow as 25mm at speeds up to 450 m/min. (option for 550 m/min. is also available).

Its 'one-piece' design enables rapid installation and commissioning and more than 150 machines of this model are now in operation world-wide with many now in Mexico and the USA.

The Titan range of slitter rewinders can process a wide spectrum of flexible materials including plain, printed, coated or metallized films from 20 to 200 micron, a wide range of laminates, label materials and also paper from 30 to 200 gsm.

Titan develops sustainable solutions with reduced power consumption, no hydraulics for oil-free, hygienic operation and un-lubricated compressed air for zero oil/air emissions.





## Raimondi & Son, Inc. (USA) grows from caramel apples to contract slitting with third Titan ER610 slitter

Since the early 1960's, Vito Raimondi took an interest in producing old fashioned caramel apples and he not only mastered the art of producing the ultimate caramel apple but also invented and patented the caramel apple dipping machine.

Later on, Raimondi & Son, Inc. was incorporated in 1977 and is located in Morristown, Tennessee (USA). The family owned business currently builds caramel apple production lines for other catering suppliers across the United States but in more recent years the company has expanded successfully and rapidly by becoming a significant contract film slitting business.

In 2009, Vito and his son Frank took the decision to invest in a Titan ER610 compact slitter rewinder to boost their contract film slitting operations.

Since then, this business has grown rapidly and a second Titan ER610 model was added the following year with a third machine which commenced production at the end of 2014.

All three machines are 1650mm (65") wide but the ER610 is also available in a 1350mm (53") width. The Raimondis currently operate these machines 24 hours a day.

The ER610 duplex slitter has been a great success for Titan. First launched in 2008, more than 150 machines have now been installed worldwide for converters of flexible packaging materials, from large multi-national corporations to smaller contract converters like Raimondi.

The slitter features a pneumatically controlled braking system and a digital edge-guide system controls lateral movement of the unwind reel to +/- 2in (50 mm).

All of the ER610 slitters installed at Raimondi include an integral edge trim extraction system and a laser core positioning system.

However, Raimondi Films, Inc. is specialised in custom slitting of BOPP and other types of materials, assuring customers of a quick turn-around and high quality processing whether for a small or a large order. 'No job is too small,' claims the company's website.

"The Titan ER610 slitter is a great performer for our business," commented Frank Raimondi, Vice-President of Raimondi Films, Inc.

"We are very happy with them. They are robust and reliable and very simple to operate which is just what we need for our 24/7 operations. Plus we have a great back-up service with Atlas-Titan being based in Charlotte, NC which is only two hours away. And they treat us like family, not a customer," Frank added.

The ER610 is a more sustainable solution with reduced power consumption, no hydraulics for oil-free, hygienic operation, un-lubricated compressed air for zero oil/air emissions and its 'one-piece' design also enables rapid installation and commissioning.

"These features work great for our plant," Frank further explained. "Our power bill is affordable and we do not need a very big space to operate these machines. This helps because we keep our slitting room climate controlled for both the operators and the film. We are also budgeting for another ER610 - hopefully in the mid to later part of 2015," he confirmed.

"We are delighted to have supplied a third ER610 slitter to Raimondi," added Brian Stiff, former Sales Manager at Atlas Converting North America, Inc. but now based at Atlas-Titan in the UK.

"I have seen how Raimondi's film slitting business has grown over the last few years and we wish Frank & Vito every success for the future," he concluded.



**Frank Raimondi (left) with father Vito and the recently installed third Titan ER610 compact slitter**

*"The Titan ER610 slitter is a great performer for our business. We are very happy with them and the back-up service from Atlas-Titan in Charlotte, NC."*



**The Titan ER610 slitters installed at Raimondi Films, Inc. in 2009 & 2010**

## *Ester Industries Ltd. (India) upgrades Atlas CW1000 slitter rewinder control system for BOPET film*



**A control system upgrade was the main focus of the project**

Established in 1985, Ester Industries Ltd., based in Khatima in Uttarakhand State in the north of India, is a leading manufacturer and supplier of polyester films and engineering of plastic compounds.

Under the brand name of 'UmaPET', the

company exports its wide range of polyester films to customers all over the world and currently has sales of approx. GBP £100m (USD \$160m) and more than 400 employees.

In 1995, Atlas commissioned a 3.3m wide CW1000 primary slitter rewinder for one of Ester Industries many BOPET film lines and after almost 20 years of constant production, productivity and reliability had become a problem for the company.

This was due to the obsolescence of the slitter rewinder's control system – replacement parts being no longer available.

During 2013 a machine audit was requested by the customer which revealed that the slitter rewinder required replacement of its PLC and PC hardware and software systems which would improve reliability and increase the machine's productivity.

"The original computer equipment was replaced with Windows software, a 17" monitor with LCD touch screen facility, line interactive UPS power supply, internet TCP/IP modem and configuration software," explained Kevin Murphy, Upgrades Sales Manager for Atlas.

"The original S5 PLC was replaced with a Siemens S7 317 DP/PN processor and I/O system, together with replacement of all obsolete S5 PLC rack equipment."

The installation of the upgrade was completed early in 2014 by local engineers from Atlas Service Operations in India with support from the UK Service Centre.

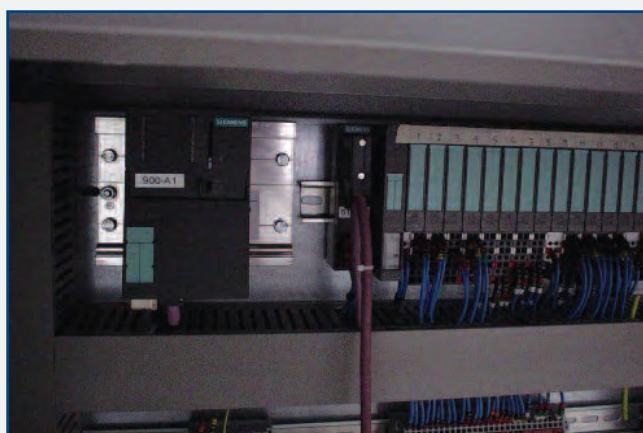
"This upgrade of one of our Atlas primary film slitters has been very worthwhile," added Mr. Devidatt Bhatt, Group Leader of Instrumentation at Ester Industries.

"The efficiency and productivity of the slitter has improved dramatically and the machine is now much more reliable running at 800m/min. The work was completed on time in two weeks with the film line in full production again, as planned," he confirmed.



**The benefits of Atlas & Titan slitter rewinder upgrade**

*"The efficiency and productivity of the slitter has improved dramatically and the machine is now much more reliable."*



**The upgraded PLC installed at Ester Industries Ltd.**



## Kangde Xin (KDX) China improves BOPP film productivity with upgrade of Atlas CW984 slitter rewinder

Beijing Kangde Xin Composite Material Co. Ltd., (KDX, China Stock Code: 002450) was established in August 2001. The company has thermal laminating film and optical film production business units with 5 production sites and 12 subsidiary companies.

KDX is an international enterprise holding group and also the most important composite polymer film materials company in China. As a result of vertical integration, KDX established a production site in Sishui, Shandong Province dedicated to the production of thermal laminating base film (BOPP).

However, the company's 12 year old, 8.3m wide Atlas CW984 primary film slitter had many parts which had become obsolete leading to problems of winding quality, reliability, high energy consumption and loss of productivity.

Whilst the film slitter main frame and component parts are perfectly capable of many more years of production, upgrading the specification of the machine control system and other associated parts was a prudent and cost-effective solution to improve the machine's performance.

So during 2014, Sishui KDX went ahead with the Atlas upgrade project which included replacement of the original computer hardware with a PC system using Windows software and a 17" touch screen for easy operation.

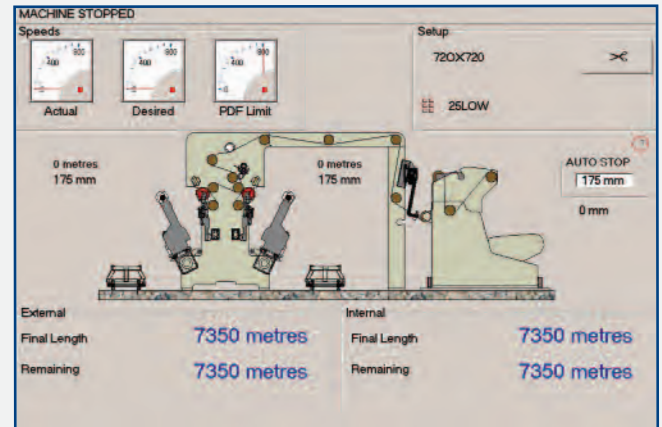
In addition, all 14 obsolete rewind motors were replaced on the individually driven rewind stations with Siemens AC servo motors. These motors are very reliable and provide a good response to the demands of rewinding.

At the same time, all rewind arm cables were replaced to improve flexibility and make the connections and assembly more robust which also improves reliability.

Finally, the existing harmonic gearbox and motors were replaced with new heavy duty gearbox units and motors of the same type.

The installation of the upgrade was completed in one week in June 2014 by local engineers from Atlas Service Operations in China with support from the UK Service Centre.

"We are very happy with the upgrade project of the film slitter and the Atlas engineers did an excellent job. We now have a much more reliable and efficient film slitter which is running much faster than before the upgrade and producing much higher quality rewind reels," confirmed the engineering team at the Sishui KDX production site.



**Updated main operator screen on the Atlas CW984 film slitter**



**All 14 obsolete motors were replaced on the rewind arms with Siemens AC servo motors**

*'The upgrade installation was completed in a week by engineers from Atlas Service Operations in China with support from the UK Service Centre.'*



*'Four cyclists from Atlas entered the Vosges Challenge 2014 and in doing so raised approx. GBP £2,000 for charity.'*

## Atlas cyclists complete the 'Extra Mile Challenge' to raise money for important charities



**The Atlas cyclists of the 'Vosges Challenge 2104' from L to R: George Driver, Julian Myall, Franklin Warner and Phil Travis.**

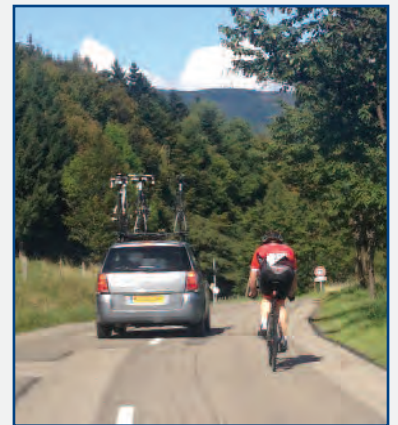
The Atlas cycling team included Phil Travis (Service), Julian Myall (Engineer), Franklin Warner (Operations) and George Driver (Logistics).

They all survived the changeable weather and challenging mountain climbs from Metz in France to Offenburg (Germany) and back to France in Nancy and finally Colmar on Sunday, 21st September for a well-deserved rest and celebratory Gala Dinner.

The Directors and everyone at Atlas Converting Equipment Ltd. thank them for their courage and effort to raise money for such worthy causes.

Supporters of the Extra Mile Challenges Charity include several local companies, businesses and Rotary Clubs in the Bedford & Milton Keynes area who help to organise and support fund raising events on a voluntary basis.

**For more information, please visit [www.extra-mile.org.uk](http://www.extra-mile.org.uk)**



**The beautiful but challenging route through the Vosges mountains of France**

# ATLAS

# TITAN

- Atlas Converting Equipment Ltd.**  
 Wolseley Road, Kempston  
 Bedford MK42 7XT  
 United Kingdom  
 T: +44 1234 852553  
 F: +44 1234 851151  
[sales.atlas@atlasconverting.com](mailto:sales.atlas@atlasconverting.com)  
[sales.titan@atlasconverting.com](mailto:sales.titan@atlasconverting.com)
- Atlas Converting North America, Inc.**  
 9801-F Southern Pine Boulevard  
 Charlotte, NC 28273  
 United States  
 T: +1 704 587 2450  
 F: +1 704 587 2451  
[sales.usa@atlasconverting.com](mailto:sales.usa@atlasconverting.com)  
[ventas.mexico@atlasconverting.com](mailto:ventas.mexico@atlasconverting.com)
- A.C.E. (Shanghai) Trading Co. Ltd.**  
 6P, New Shanghai International Tower  
 360 South Pudong Road  
 Shanghai 200120, China  
 T: +86 21 6886 2501  
 F: +86 21 6886 2502  
[sales.atlas@atlasconverting.com](mailto:sales.atlas@atlasconverting.com)  
[sales.titan@atlasconverting.com](mailto:sales.titan@atlasconverting.com)
- Atlas Converting Equipment (India) Pvt. Ltd.**  
 Plant No. 13, Extension Office Building  
 Pirojsha Nagar, Vikhroli (East)  
 Mumbai 400 079, India  
 T: +91 992 081 9791  
 F: +91 222 623 3009  
[sales.atlas@atlasconverting.com](mailto:sales.atlas@atlasconverting.com)  
[sales.titan@atlasconverting.com](mailto:sales.titan@atlasconverting.com)

Extra Mile Challenges is a Registered UK Charity (no.1100243) with the prime objective of donating funds to other charities. It raises funds by organising sponsored events – principally the annual 500 mile (800km) Relay Cycling Challenge in Europe.

In September 2014, the 'Vosges Challenge 2014' took place in the beautiful countryside and vine covered hills of Alsace – Lorraine in eastern France, the Rhine Valley and skirting the Black Forest region of southern Germany.

Four intrepid cyclists from Atlas entered the 2014 Challenge over the 3 day weekend from 19th to 21st September and in doing so raised approx. GBP £2,000 (approx. EUR 2,500 / USD \$ 3,000) for the two nominated charities of Atlas Converting Equipment Ltd. - the Teenage Cancer Trust and Cystic Fibrosis Trust.

Events 2015	Venue	Dates
Arabplast	Dubai, UAE	10 - 13 January
Plastindia	Gandhinagar, India	05 - 10 February
ICE USA	Orlando, Florida	10 - 12 February
ICE Europe	Munich, Germany	10 - 12 March
Converters Expo	Green Bay, USA	16th April
FTA Info*FLEX	Nashville, USA	4 - 5 May
Converflex / Ipack IMA	Milan, Italy	19 - 23 May
Chinaplas	Guangzhou, China	20 - 23 May
BOPP Film 2015 Conference	Berlin, Germany	23 - 25 June
CPP Expo	Chicago, USA	13 - 16 September
Pack Expo	Las Vegas, USA	28 - 30 September
LabelExpo Europe	Brussels, Belgium	29 Sept - 02 Oct