

## Popular webinar series extends into 2016

Henkel is pleased to confirm its free, Loctite Success Secured webinar series will continue in 2016 with a range of topics that demonstrate the growing importance of adhesives in design, manufacture and maintenance.

**'Why Adhesives?'** (2 Feb and 22 March) is presented by John Dubber, an expert in structural bonding. The seminar will explain how adhesives can increase the durability, reliability and sustainability of products.

**'Instant Adhesives'** (22 Feb and 5 April). Henkel specialist Bob Goss will explain the virtues of instant adhesives and show how this technology continues to develop with the introduction of innovative and hybrid products.

**'Structural Bonding'** (15 March). John Dubber will demonstrate how this joining method outperforms mechanical fasteners while providing the freedom to create smarter and more energy-efficient designs.

**'Engineering Adhesives'** (1 March and 17 April). Senior technology specialist Bob Orme, will show how the use of threadlocking, sealing, gasketing and retaining adhesives can significantly enhance the performance of a system and extend its life.

You can register for any of these webinars at the address below, and also hear a sample clip from recent seminars. [www.loctite.co.uk/webinars-9979.htm](http://www.loctite.co.uk/webinars-9979.htm)



## Chain service centre provides fast response

Renold Chain says its dedicated UK service centre is able to offer a fast turnaround for all types of attachment, transmission and conveyor chain for a wide range of industry sectors to exact customer requirements.

The service centre provides a guaranteed 72 hour attachment chain service for BS steel transmission chain, from half inch (08B) to one inch (16B) pitch, with standard M and K attachments, extended pins, and in accordance with customer specifications. Renold's dedicated team of specialist engineers are able to guarantee that chain is ready for dispatch within 72 hours of an order being placed, with an even faster 24 hour service available for urgent requirements.

[www.renold.com](http://www.renold.com)

# Southern Manufacturing returns to Farnborough

February 2016 sees the return of the Southern Manufacturing exhibition to FIVE, Farnborough. We look at some of the innovations you can expect to see at the show

**S**outhern Manufacturing and Electronics is without doubt the main manufacturing show in the South, if not the whole UK. After years of consistent growth, the event nowadays exerts a considerable influence over a significantly larger area, regularly drawing in visitors and exhibitors from across Europe and progressively further afield.

Southern Manufacturing exhibitor **Renishaw** has developed a new industrial metal additive manufacturing system. Fully designed and engineered in-house to be used for serialised production, the RenAM 500M builds complex metal components directly from CAD using metal powder fusion technology.

Highlights of the system include a Renishaw designed and engineered optical system with dynamic focussing; automated powder sieving and recirculation; 500 W ytterbium fibre laser and patented high capacity dual filter SafeChange system.

Also new is the AM400 flexible metal additive manufacturing system. This new model is a development of the AM250 platform. It includes all the advantages of the latest machine updates with larger SafeChange filter, improved control software, revised gas flow and window protection system, and a new 400 W optical system that gives a reduced laser beam diameter of 70 micrometres.

**Weidmüller** will be displaying a full range of products and services on stand K19 at this year's Southern Manufacturing Show. Key products will include the FreeCon contactless power transmission system which allows power to be transmitted via an 'air gap' by means of an inductive resonance coupling. It's a solution that's completely wear-free and especially efficient for robot-led production lines and more.

Another new product is FrontCom Vario which delivers a compact service interface with a future-proof design for switch and control cabinets. The device also enables simple and quick access to the control system/PC and electronics for maintenance needs.

The OMNIMATE signal range includes compact PCB terminals and connectors with intelligent locking concepts and a broad range of THR and SMD connection component products available for the SMT process. The OMNIMATE Power range will include high performance PCB terminals, connectors and feed-through terminals that meet the relevant device



standards. The OMNIMATE housings on show provide a state-of-the-art platform for electronics applications, for all design types and usage areas.

Component marking, identification and traceability specialist **Pryor Marking Technology** says its CNC Marking Tool produces human or machine readable, two dimensional inscriptions that meet strict international aerospace marking standards.

It can be controlled wirelessly from a Windows computer, using the company's standard software, which can vary the force produced by the marking head, allowing it to mark materials of different hardnesses. If it is possible to mark components using the same CNC machine that made them, they do not have to be transferred to special marking stations. Moving parts around the shop floor is the biggest cause of scrappage and waste in many manufacturing environments, says sales director Alastair Morris.

A prototype was successfully tested, demonstrating manoeuvrability and marking ability and how it could be controlled wirelessly, using a Bluetooth connection.

On the **Tesa UK** stand at Southern Manufacturing, you'll be able to see the company's ACXplus double sided, acrylic adhesive tapes with optimum viscoelasticity for constructive bonding applications. They provide a viable alternative to traditional fastening methods.

The latest addition to the range is ACXplus 7044, available in both grey and white to harmonise with the most commonly used colours in these sectors and the aesthetics. This is further enhanced through the use of a stretch resistant PV28 liner which enables quick, easy handling and very straight, precise lines of application.

The fundamental feature of the tape is, of course, its excellent adhesion and shear performance, and this is maintained across the most often used substrates for this type of work, including ABS, painted glass and Aluminium. Taping in the same colour as the surface material produces a virtually invisible bond; in addition best optical appearance is achieved through the eradication of air bubbles when mounting glass to rigid materials using tesa ACXplus.

[www.industrysouth.co.uk](http://www.industrysouth.co.uk)

[www.renishaw.com](http://www.renishaw.com)

[www.weidmuller.co.uk](http://www.weidmuller.co.uk)

[www.pryormarking.com](http://www.pryormarking.com)

[www.tesa.co.uk](http://www.tesa.co.uk)