

IN THIS ISSUE :-

- 1 A Message From The Managing Director
- 2-5 Latest News including What Happened Last Time? & 4th Qtr 2014 Featured Videos
- 6 4th Quarter 2014 Featured Service / Product
- 7 SEP In The Community
- 8 Christmas Notice - 2014
- 9 FingerSaver Flyer

A MESSAGE FROM THE MANAGING DIRECTOR...

Christmas and a New Year fast approaching; a reflective period for many of us. For me personally my thoughts are with a fabulous team I have the good fortune to work with, a group who repeatedly demonstrate an ability to grow and improve with our company's ethos and expectations. I also reflect on our customers, both old and new and those who unfortunately are no longer trading; a huge thank you from all at SEP. One of the greatest feelings in business is a growing relationship between you and the customer, demonstrated in repeat orders and new opportunities; we value your confidence in our ability and appreciate many of our successes in 2014 are down to you.

2015 will be another exciting period for SEP with the first of a three stage upgrade to our machining section just commissioned and already in full production. The new DMG 5 axis Milling Machine along with our probe and optical Co-ordinate Measuring Machine will enable us to quote new high specification work and also produce the most sophisticated of rubber moulding tools in house.

Our last newsletter informed of a new industrial unit recently purchased at our current location in Romsey; since then plans have been drawn up and work is underway to create a fully integrated clean room for the manufacture of specialist moulded parts for the aerospace, defence and pharmaceutical industries.

Until next time I wish you all a very Merry Christmas and a healthy New Year.

ANDREW SMITH
MANAGING DIRECTOR



Services & Products

- CNC Waterjet & Knife Cut Gaskets & Profiles
- Rubber Moulding, Extrusion & Inflatable Seals
- Studbolts & Fasteners
- Machined Components

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WHAT HAPPENED IN THE LAST ISSUE? - 3RD QUARTER 2014



As you'll know, the first ever SEP Quarterly Newsletter was released back in September, 3rd Quarter 2014. We were pleased to reveal it was a big success with it landing in many more inboxes than expected.

Issue 1 looked back at 2013 and 2014 so far as well as outlining our plans for the immediate future at SEP. This coincided with the announcement of our purchase of a new adjoining 1800sq/ft unit as well as the recruitment of additional members of staff. Our inflatable seal profile models and animations are still in the process of being developed in our latest SolidWorks Professional 2015 suite and this is underway for launch on the website soon. We also detailed our first major re-brand that took place over the course of the last year.

Our featured service for our first edition had to be our CNC Waterjet & Knife Cut Profiles section – it's simply what SEP is known for predominantly throughout the industry since our founding. We also introduced our NEW 'SEP In The Community' section, which aims to inform you of the small but important things SEP get involved in outside of the industry.

As outlined in the previous newsletter, we are incredibly confident that this was the first of very many, successful newsletters and we hope you find them informative.

FOR SALE: GENUINE VITON 'A' OFFCUTS



After completing a recent job for a customer, where we were required to buy a large quantity of material, SEP have 101 offcuts of Genuine Viton 'A' rubber for sale.

The rectangles are 1.5mm thick and available in 2 sizes. The quantity and sizes for sale are:

- 17 smaller rectangles - 270mm x 300mm (approximate)
- 84 larger rectangles - 250mm x 320mm (approximate)

These 101 pieces have been stored safely and handled carefully meaning we have a great deal on offer here. Specialised Engineering Products are simply selling these due to having very little need for material this size.

For more information, please visit <http://po.st/SEPVitonForSale> or get in touch with us and we will hopefully be able to offer you a good deal on this material.

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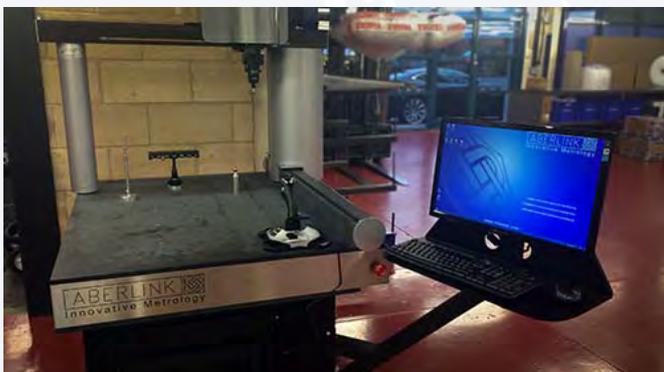
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NEW MACHINERY INSTALLED



Shortly after the release of Newsletter Issue 1, the orders were signed off for the purchase of 2 new pieces of machinery, as well as CAM software, in preparation for stage 1 of the Machine Shop upgrade, which was due to be completed by the end of 2014. We are pleased to reveal we have hit this target and now have a CMM (Co-ordinate measuring machine) and a 5-axis CNC Mill (shown above) in place - and in action!

As part of the first stage, we have a brand new co-ordinate measuring machine – an Axiom Too CNC, and a DMU 50 Ecoline, 5 axis milling machine. To supplement these purchases, we have selected Delcam for Solidworks (CAM Software) to extend our current use of our Solidworks Professional 2015 3D Modelling suite.



Both pieces of machinery are now installed and fully functional, along with the Delcam for Solidworks package.



4TH QTR 2014 FEATURED VIDEOS

Our featured videos for 4th Quarter 2014 are of our DMU 50 Ecoline 5-axis CNC Mill and our Axiom Too CMM (video coming soon).



<http://po.st/SEPCNCMillVideo>



Coming Soon - Keep checking our YouTube channel

To see more videos, visit our YouTube channel at

www.YouTube.com/SEPRomsey



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2 TEAM MEMBERS COMPLETE DELCAM FOR SOLIDWORKS COURSE



Martin Dennis (Research & Development) and Robin Dufton (Product Development Engineer) of Specialised Engineering Products recently successfully completed a 3 day training course for our new CAM software, Delcam for Solidworks. By completing this course, the pair are now able to expand their knowledge of Solidworks and both successfully create programs that can be used to manufacture products on the new DMU50 Ecoline 5-axis CNC Mill.

Delcam for SolidWorks is completely embedded inside our 3D SolidWorks software, and has achieved a 'Designed for SolidWorks' level of integration. It also allows us to produce complex parts with fewer set-ups, saving time and reducing errors, by increasing accuracy by machining parts with shorter, more rigid, tools.

For more information on our use of Delcam for Solidworks, please take a look at <http://po.st/MachinedComponents>

To view both Martin's & Robin's certificates, please go to our downloads page at <http://po.st/SEPDownloads>



Martin's Delcam for Solidworks Certificate



Robin's Delcam for Solidworks Certificate

SEP PASS 2014 SGS/ISO AUDIT



We are pleased to reveal we have recently successfully passed our 2014 SGS/ISO audit and continue to be certified to ISO 9001:2008 standards, having been first certified back in June 1992.

The results of this audit are a direct reflection of our successful Quality Management System and the outstanding implementation of ISO standards and practices by SEP personnel.

Our ISO 9001:2008 certification is important to us at Specialised Engineering Products as it allows us to demonstrate our strict quality measures to our customers and are therefore very proud that yet again, we are deemed to conform to the standard.

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UNIT D5 - UPDATE



As revealed in our 3rd Qtr 2014 Newsletter and on <http://www.specialisedengineering.co.uk>, we recently acquired a new 1800sq/ft unit, adjoined to our 7 current units, to allow us to further expand our manufacturing processes. By purchasing Unit D5, on Abbey Park Industrial Estate, this takes us to 16000sq/ft of space and 8 units in total.

This Newsletter gives us the perfect chance to update you with some information on how the refurbishment of the unit is going.

Unit D5 is currently undergoing renovation work, with the plan for the unit to be operational and part of the manufacturing plant by early 2015. This means by the time Issue 3 is released, we will have news, images and videos of the completed unit.

We already have some exciting plans for D5 and as explained by Andy at the beginning, the goal is to create a fully integrated clean room for the manufacture of specialist moulded parts for the aerospace, defence and pharmaceutical industries.

Future Newsletters, as well as our website (<http://www.specialisedengineering.co.uk>) and social feeds, will provide more updates, photos and videos as we have them. Stay tuned...



FINGERSAVER ARTICLE IN GERMAN SAFETY NEWSPAPER



In late 2014, we were approached by German Safety Newspaper Bauz with regards to putting a piece in their next edition about the FingerSaver Hand Safety tool. We were all to happy to oblige and proceeded to provide Bauz with photos of the product.

To read the translated version of the article, head to <http://po.st/BauzFingersaverArticle>

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FEATURED SERVICE / PRODUCT MACHINED COMPONENTS



Specialised Engineering Products precision machining services have been providing finished machined components along with our own Rubber Moulding Tools to industry for over 20 years; 2014 will see significant investment throughout this department. Please see our Latest News page for progress reports. During 2014 SEP is investing heavily in a brand new clean room machining environment, incorporating the latest 5 axis machining; all programmed from our SolidWorks Professional 2014, 3D modelling software. Our investment plans will also incorporate a 5 axis programmable CMM; capable of hands free inspection to First Article standards.

Axiom Too CNC Coordinate-Measuring Machine (CMM)

The Axiom Too offers us a complete measuring package, with PC, peripherals, Aberlink 3D Measuring Software, a Renishaw probe, styli, a reference sphere and mist filters. The machine is a fully motorised moving bridge type CMM with a granite &



honeycomb aluminium bed - offering support for components up to 300kg. It's unique design of self adjusting air bearings are used on each axis to provide excellent stability. We have also purchased the Aberlink Camera System.

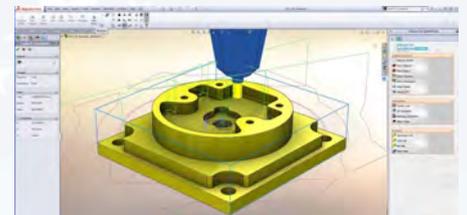
DMU 50 Ecoline 5 axis CNC Mill

This mill offers us 5 sided machining of workpieces weighing up to 200kg with the highest shape and precision tolerances, especially in opposing holes, with an overall working area of 500mm (X axis) x 450mm (Y axis) x 400mm (Z axis). The DMU 50 Ecoline comes with 3D software, 15" TFT screen, patented NC swivel rotary table with digital drives, SK40 tool changer with 16 magazine pockets and milling spindle with 10,000 rpm [83 Nm (40 % DC) / 13 kW (40 % DC)]



Delcam for Solidworks CAM Software

Delcam for SolidWorks is completely embedded inside our 3D SolidWorks software, and has achieved a 'Designed for SolidWorks' level of integration. Delcam for SolidWorks provides a 'single window' manufacturing solution that looks and behaves like SolidWorks, enabling us to turn your designs into real parts quickly and easily. Delcam allows us to produce complex parts with fewer set-ups, saving time and reducing errors.



Read more about our Machined Components section by going to
www.specialisedengineering.co.uk/services-and-products/machined-components/

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SEP IN THE COMMUNITY

Read all about SEP's community support outside of the industry

FORMER EMPLOYEE BEGINS NEW BUSINESS VENTURE

Former Specialised Engineering Products employee Leon Mead visited us with a plan for a new business and asked if we would be interested in supplying the components. Now, just a few months later, the BungeeSpongee® is beginning to take off in the fishing industry.

BungeeSpongee® is a unique product which Leon invented for use for when he went sea fishing on charter boats. It is a simple and handy piece of equipment. The reason for this is that in this sort of environment, things can get very messy, not only for your hands, but the boat, fishing box, rods etc.

BungeeSpongee® cures the problem of wiping your hand in your jeans and having a messy boat! It is designed to wrap around the rail on a boat and be thrown into the sea to bring instant water to your finger tips when needed.

Using Leon's ideas, SEP have developed the design of the sponge shapes further and have then proceeded to cut them on our ATOM FlashCut, based in our CNC Waterjet & Knife Cut Gaskets & Profiles section. Our ATOM FlashCut is the perfect machine for this as it is able to cut the variety of shapes with extreme ease and speed, despite being from 60mm sponge! Leon also used SEP for our experience and facilities for rubber moulding the washers that secure the bungee cord.



Please take a look at the BungeeSpongee® website at www.bungee-spongee.com

SEP STEP UP RECYCLING EFFORTS



At SEP we are proud to say we try our best to recycle, but we are always striving for ways to improve. To perform better with recycling, we have purchased multiple new recycling bins for around the office and factory, as well as an extra industrial cardboard bin outside. This means all general waste is kept totally separate.

Each new recycling bin now has the 'SEP Guide To Recycling' attached to it, helping staff distinguish between recyclable and non-recyclable materials.

So far, results have been very good and the system seems to be working well. We all hope it continues!



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WISHING YOU A VERY
MERRY CHRISTMAS
AND A
HAPPY NEW YEAR

OUR OFFICES WILL BE OFFICIALLY CLOSED FROM
WEDNESDAY 24TH DECEMBER 2014
AND WILL RE-OPEN ON
FRIDAY 2ND JANUARY 2015

IF YOU REQUIRE EMERGENCY TELEPHONE
NUMBERS FOR THE SHUTDOWN PERIOD
THEN PLEASE CONTACT THE SALES
OFFICE ON THE ABOVE NUMBER

MAY WE THANK YOU FOR YOUR BUSINESS
DURING 2014 AND HOPE IT MAY
CONTINUE IN 2015

FROM ALL AT SEP

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To download this notice as a PDF, please go to <http://po.st/SEPChristmasNotice2014>

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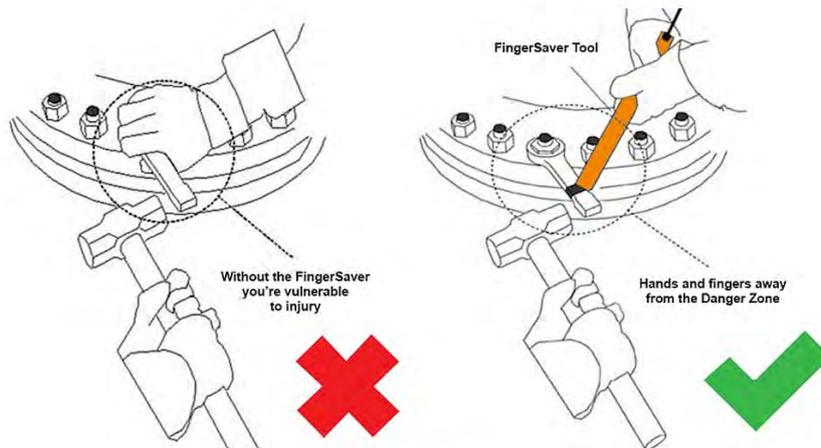
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Fingersaver

Safety For Your Fingers



Where there is potential for injury to hands and fingers you should always use the **FingerSaver**

Distributors Required Worldwide!

Interested in becoming a distributor for the FingerSaver?
Visit www.fingersaver.co.uk/distributors/ for more information

W: www.fingersaver.co.uk E: info@fingersaver.co.uk T: +44 (0)1794 830757

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