



Update 13

June 2009

Helping you to stay abreast of current developments in remanufacturing worldwide.

Here's the latest newsletter for the **Centre for Remanufacturing & Reuse**, established by Oakdene Hollins Ltd with Defra support to promote remanufacturing and other reuse options.

Read our **Centre News** for the latest progress in the promotion of remanufacturing and other reuse options.

Keep up to date by reading our **Industry News**.

Get Involved with remanufacturing by participating in projects currently being carried out at the Centre.

Further information on the items below, many other current reports and news items and back issues of the newsletter can also be found on our **website**.

You can contact the **Centre for Remanufacturing & Reuse** directly by either using the remanufacturing hotline **01296 337165** or e-mailing **info@remanufacturing.org.uk**.

Reman defined!

BS887-2, which clearly defines end of life terminology, including remanufacturing, reuse, recycling and reconditioning, is now live. In the next phase CRR is working with BSI to develop an umbrella standard which will set out reman protocols to guarantee as-new performance. We will then adapt these for various industrial sectors and products, so if you would like to contribute for your sector you can find out how to get involved from [Ben Walsh](#).

Carbon footprints

We've just completed two more short-cut carbon impact studies for reusable machine tooling and for automotive gearboxes. These will be available on our website. We're working on other products identified by our earlier studies based on the value and scale of the activity in the UK but if you think your remanufactured products have a good potential for carbon saving then please [email us](#).

Remanufacturers: blow your trumpet!

CRR is sponsoring a remanufacturing and reuse category in the prestigious British Engineering Excellence Awards, hosted by Findlay Media. If you've got a story to tell, a reman success story, or a product or service redesigned to enable reuse then here's your chance for some recognition. It's a simple entry form available at <http://www.beeas.co.uk/>

Remanufacturing refrigerated display cabinets could save 135,000 tonnes of carbon dioxide per year

That's the estimate in our latest report that investigates the potential of remanufacturing cabinets used in supermarkets to store chilled foods and produce. In addition, they can be brought up to as-new energy specs. Our next phase is to work with retailers to develop purchasing models that will maximise the remanufacture of the current RDC stock to achieve this ambitious target. For more information or a copy of the report please contact [Ben Walsh](#).

Latest product studies

Tower cranes are used extensively on large scale construction projects and are commonly seen on the skylines of our towns and cities. Safety and cost are two key factors limiting the amount of remanufacturing occurring in this industry. However, there are indications that OEMs are starting to offer remanufacturing services at a selection of specifically designed sites abroad.

Industrial steam boilers are used for a variety of industrial processes and for large space heating. Remanufacture is not a common activity although safety-related maintenance ensures a long life. However, many upgrades can be made to the controls systems of older boilers, bringing their efficiency close to those seen for newly installed systems.

Within **industrial printing**, the traditional offset type presses can last 40 years with careful upkeep. By comparison, digital presses are recent arrivals in the industrial printing sector, and have a much shorter life due to the rapidly advancing technology. However, these developments are allowing digital printing presses to penetrate the industrial printing market and develop new business opportunities. Comparisons can be drawn with photocopiers in their materials composition, purchase options and usage patterns and as such represent an excellent platform for promoting remanufacture and reuse within the print sector.

The "Ultimate Green Uniform"

As a follow-on to last year's very successful collaboration, we've been inspired by Defra to do some follow on work to put the principles into practice. We'd be interested to hear from corporate purchasers who would work with suppliers to specify the "ultimate green uniform". Please contact [Caroline Bartlett](#) to get involved.

If you missed our corporate clothing launch event, you can catch up at our dedicated resource site, <http://www.uniformreuse.co.uk>.

2009 Remanufacturing Survey

It was in 2004 that CRR published a survey of remanufacturing in the UK. At that time the survey was the first to be conducted in the UK and clearly showed the contribution that remanufacturing made to the UK economy and to materials efficiency. Work has now just begun on updating this survey in order to see the changes which have occurred over the last five years. In order to establish robust data for this survey, the CRR team in the first instance will be contacting CRR members for their views and input. The new survey will be published towards the end of 2009 and should provide a more detailed picture of remanufacturing activity and its contribution to lowering the UK's environmental impact.

ICE Magazine: reuse special

The Institution of Civil Engineers will be publishing a special edition of its magazine on the topic of reuse. We're looking for ideas from contributors to illustrate various aspects from technology, business practices, and benefits which are based on evidence and can stand up to peer review. They need to engage the engineering community but not necessarily experts. If you've got ideas or research that might fit, please [contact us](#).

Furniture Reuse

Following the successful model of Corporate Clothing last year, we are now launching a major project to encourage the reuse and remanufacture of office furniture. This will involve collaboration from all points in the supply chain, but we are particularly keen to hear from purchasers or specifiers, such as office managers. The project is at an early stage so we are keen to hear your views and suggestions on suitable projects. If you have a good idea and want to get it off the ground please contact [Ben Walsh](#).

Reman lobby

Have you got a sharp-looking remanufactured, reconditioned or refurbished product that would make an eye-catching display? We're looking for a "foyer trophy" to grace the entrance of our sister body [WRAP](#). If you could donate (or cheaply sell to us) a sparkly piece of UK engineering we'll arrange the transport, credits, plaques and blurb to go with it. [Contact us](#) if you want some free promo.

Reclaiming resources

A new integrated production system could see high-value machine parts remanufactured on site in a single process, cutting costs and reducing carbon emissions, according to the UK consortium working on the initiative. [Read more:](#)

Caterpillar Introduces Cat Reman Generator Ends

Caterpillar Inc. has announced the introduction of a family of remanufactured generator ends for standby, prime and continuous power applications using C32 and 3500 series Caterpillar engines. The first wave of remanufactured generator ends are available world-wide in 60Hz and 50Hz packages with ratings up to 2.5MW. [Read more:](#)

ArvinMeritor opens remanufacturing plant for mascot truck parts division in Ontario

ArvinMeritor Inc. officially opened its new remanufacturing facility in Ontario for its Mascot Truck Parts division, the latest development in the company's expanding presence in this niche of the truck equipment business. [Read more:](#)

Singapore and US Institutes collaborate in sustainable manufacturing technologies

Singapore Institute of Manufacturing Technology (SIMTech) announced the signing of a Memorandum of Understanding with the Golisano Institute for Sustainability (GIS) of the Rochester Institute of Technology (RIT)USA. [Read more:](#)

USA - new award-winning technique licensed to remanufacturer

The US Intellectual Property Owners Education Foundation presented the 36th Annual National Inventor of the Year Award to James Baughman, David Cook PhD., Keith Kowalsky, and Daniel Marantz on May 28, 2009. The inventors were recognized for their development of the Plasma Transferred Wire Arc (PTWA) Thermal Spray Apparatus and Method which has been licensed to outside companies including Caterpillar's remanufacturing business, which repairs parts that would otherwise be discarded. [Read more:](#)

UK - TestLink creates UK and Czech Republic jobs

Independent ATM remanufacture and refurbishment specialist TestLink has created 45 new electronic engineering jobs at its UK and Czech technical facilities. [Read more:](#)

USA - Government ends sale of expended military ammunition to remanufacturers

US President Obama is reversing the rules on re-selling used bullet casings. From now on, they cannot be sold for remanufacturing, but must be liquidated at scrap value. [Read more:](#)

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