

# Ultraseal international to exhibit at 8th china international die casting congress

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**Coventry, UK ( [rushPRnews](#) )  
06/19/12 — Benefits of global benchmark sealant Rexeal 100 explained**

Ultraseal, the world leader in solutions to porosity in castings, is to exhibit at the 8<sup>th</sup> China International Die Casting

Congress and exhibition in Shanghai on June 20<sup>th</sup>-22<sup>nd</sup> 2012 at **Booth A6-2.**

The UK-headquartered company, which first introduced commercially available recyclable [impregnation sealants](#) to the market, will explain the benefits of its global benchmark recyclable sealants Rexeal 100 and Ultraseal MX2.

The most widely-used recyclable sealants to achieve US Military specification US MIL-I-17563C (class 1 and 3), Rexeal 100 and Ultraseal MX2 outperform non recycling sealants while delivering cost savings and environmental benefits.

Gary Lloyd, Managing Director of Ultraseal International, said: “China is rapidly developing its die-casting technology and Chinese manufacturers have been quick to appreciate the advantages which recyclable sealants

bring to the sector.

“Impregnation with sealants as a quality enhancement process is becoming increasingly popular, especially in the automotive industry where parts such as compressors have to operate under high pressure.

“Rexeal 100 produces impressive results, being effective at temperatures up to to 220° C (428° F), while being much kinder to the environment than conventional sealants as very little waste is produced.”

Ultraseal International has a proud history of 45 years in the field: it has pioneered sealants that reliably and permanently solve the eternal problem of porosity in castings and developed innovative

[impregnation machinery](#).

Headquartered in Coventry, UK, it has operations in China, Japan, India and the USA, as well as a network of agents/distributors around the world. Its research and development is carried out in the UK.



Honda, BMW, Delphi, Hyundai, Sanden, Toyota, Valeo, and VW are just the few of the 250 plus users worldwide.

Ultraseal International has pioneered a host of breakthroughs: it was the first to address the wastefulness of conventional impregnation processes in which up to 95% of the sealant is simply washed away in the cold wash stage. Ultraseal MX2 was the world’s first commercially available recyclable sealant: Rexeal 100 was a later refinement. There are also sealants suitable for use with electrical parts and sintered parts.

Tests on Rexeal 100 using aluminium test rings of the type used in the [US Mil Spec MIL-I-17563C](#) (Class 1 and 3) showed that rings impregnated with Rexeal 100 did not leak after 24 hours at 220° C (428° F). In contrast, rings impregnated with a conventional sealant leaked after half an hour at 100° C

(212° F).

As well as sealants, Ultraseal International produces a range of impregnation equipment. Its top-loading machines offer a rotational processing system and cascade washing that is far more effective at cleaning impregnated parts than the traditional method of dipping batches of parts into water. The parts are rotated slowly while water is sprayed at high pressure over them, driving off the excess sealant efficiently and thoroughly, and eliminating the risk of small patches of sealant being left on the parts.

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