Vacuum Impregnation is a quality enhancement, ultraseal India Pvt tells foundry conference

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Component with Porosity

Ann Arbor, MI (rushPRnews) 10/09/13 — Using vacuum impregnation as a routine quality enhancement will help companies to win contracts with global automotive OEMs, suppliers have been told by a leading figure in diecasting in India.

The process will help them to meet requirements for leak-free parts, according to Mr N Ganesan, a trustee of the Aluminium Casters' Association of India and Editor of the association's journal, ALUCAST.

Porosity - microscopic holes in cast metal parts - is an eternal problem in diecasting which can lead to a host of problems, including surface "spotting out" of paintwork and even to the failure of parts that have to operate under pressure.

A reliable and permanent solution is vacuum impregnation with porosity sealants and advances in sealant technology mean that the process is now more widely used as a routine quality enhancement.

Mr Ganesan said: "Vacuum impregnation can now be integrated into a production process as it supports leaner manufacturing, enhances product quality and solves the problem of casting porosity, which allows

manufacturers to become more competitive and environmentally compliant.

"Vacuum

impregnation is viewed as a quality enhancement process by OEMs and helps to fulfill the requirements of modern-day extended warranties for leak-free parts."

Mr Ganesan, a Director of Ultraseal International's well-established joint venture, Ultraseal India Pvt., made his remarks during the 'Casting a Greener Furutre' foundry seminar at the Hotel Sun-n-Sand in Pune, India.

More than 100 delegates from casting manufacturers, raw material suppliers, equipment firms, chemicals suppliers, engineers, consultants and foundry chapters were there to learn how to raise industry standards.

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Media Contact Name: Fiona Scott
Media Phone: +44 (0) 24 7622 8881

Company Contact Name: Stephen Hynes
Company Phone: +44 (0) 24 7625 8444

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