

News Release

From Vacu-Blast Limited

SHOT PEENING WHILE YOU WATCH!

Impact Peening Dispels The "Black Art" Myth

Impact Peening, the contract precision shot peening specialist with facilities in Slough and Coventry, believes it is unique in the UK in offering its existing and potential customers an "open door" policy - enabling them to view their peening operations at close hand.

Shot peening techniques, used for example to increase the resistance of critical components to fatigue failure and to accurately shape metal skins, are often thought of in terms of a "black art" in the production engineering world. Impact Peening is keen to dispel the mystique surrounding the process of shot peening, whilst maintaining complete customer confidentiality.

"Many engineers do not fully understand the scope and potential of peening, which has now become vital in many areas of manufacturing, such as in the production aeroengines and high-performance transmission systems," commented Roger Brickwood, Sales & Marketing Director. "This is due, in part, to an artificial cloak of mystery created by some sectors of the industry."

The origins of shot peening are lost in time - ancient armourers used a similar process to increase the strength of swords and shields by beating them with a ball peen hammer. However, what was then regarded as something of a "magical" effect is based on metallurgical science. Roger Brickwood thinks that the mystical element lingers on to some extent and feels that Impact Peening still has an educational function to perform in explaining peening science to some sectors of manufacturing.

Impact Peening's operation is built on practical experience gained over 50 years, coupled with advanced control, monitoring and quality assurance techniques developed in both Europe and the USA.

Part of the Vacu-Blast group, Impact Peening is supported by a growing list of international approvals, including EN 29002, BS 5750: Part 2 and ISO 9002. The operation is also approved by aerospace organizations worldwide. Amongst the latter are the Civil Aviation Authority, Boeing Aircraft Corporation, British Aerospace, Dunlop Aviation, Dowty Aerospace, McDonnell Douglas, Rolls-Royce, Lucas Aerospace and Saab.

Any potential customer wishing to view Impact Peening's expertise in action can arrange a confidential demonstration by telephoning "Freephone Shot Peening".

For further information, please contact:

Roger Brickwood
Impact Peening
Woodson House, Ajax Avenue
Slough, Berkshire SL1 4DJ England
Tel: 0753-526511 • Fax: 0753-811460



News Release

From Tosoh Corporation

Introducing The Most Advanced Ceramic Shot Media!

Tosoh Corporation, based in Tokyo, Japan, and with marketing and production facilities throughout the world, is the world leader in the manufacture of high purity yttria stabilized zirconia powder and zirconia based ceramic products.

Tosoh is introducing to the shot peening industry the newest and most advanced form of ceramic shot media available. Made from partially stabilized zirconia that has been toughened with the rare earth yttria, Tosoh's YTZ Shot Media has a much higher density, hardness and fracture toughness than standard fused zircon or glass media, thereby allowing for higher wear resistance, higher productivity, reduced disposal costs, and greater overall efficiency in the peening process.

The YTZ Shot Media is produced from a 95% zirconia powder with an average grain size of 0.4 microns. The smaller grain size reduces the porosity of the shot media and increases the density, a key factor in the wear and deterioration resistance of the media. YTZ Shot Media will outlast all other ceramic and glass media.

YTZ Shot Media is available through Tosoh Ceramics Division in Bridgewater, New Jersey, and through Tosoh Europe B.V. in Amsterdam.

For further information, please contact:

Tosoh Ceramics Division
380 Foothill Road, Suite 101
Bridgewater, New Jersey 08807 USA
Tel: (908) 725-0440 • Fax: (908) 725-1485



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