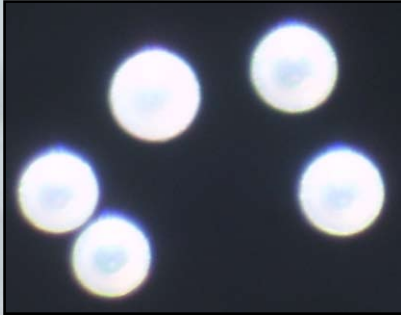


ISOSPHERES[®] -T

A new approach to seeding particle engineering



- Titanium dioxide coating
- Engineered density
- Excellent light scattering
- Chemically inert
- Size range; 5 - 30 μ m

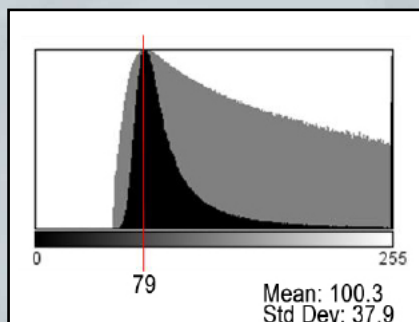
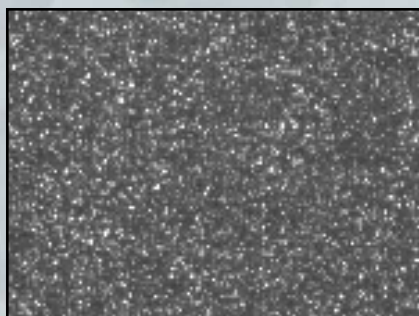
Microsphere Technology Ltd (MTL) is one of the world's leading specialists in coating microspheres with a range of materials, including metals and metal oxides.

Working with industry experts, MTL has used its extensive expertise in coating hollow glass microspheres to produce ISOSPHERES-T, a titanium dioxide coated PIV seeding material.

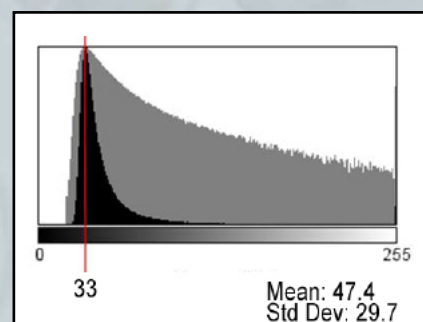
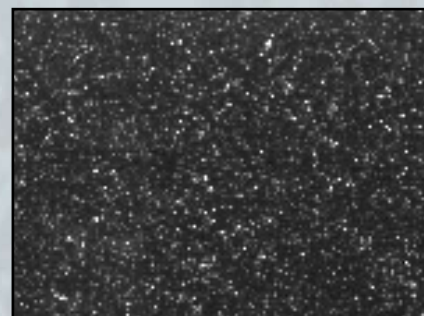
ISOSPHERES-T are designed to provide PIV operators with high quality seeding materials that have both excellent light scattering properties and true particle densities engineered around that of water for maximum performance.

Hardware advances associated with the field of flow visualisation have not been matched by the development of a seeding material specifically designed for use in this application. MTL have addressed this limiting factor and developed ISOSPHERES-T as a dedicated product for this specialist market.

ISOSPHERES-T



Silver-coated microspheres



ISOSPHERES-T outperform silver microspheres

Presented above is a direct comparison between standard silver-coated microspheres and MTL's ISOSPHERES-T. The images were taken at the same particle concentration and same pulse energy from a pulsed Nd:YAG laser (2 x 50mJ at 532nm), with a 1600x1200 PIV camera with the lens stopped at f=5.6. There is a noticeable improvement in particle image visibility and detectability on the ISOSPHERES image, as confirmed by the corresponding grey-level histograms.

For more information on ISOSPHERES-T please visit our website, www.microspheretechnology.com, or contact us using the details below.

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