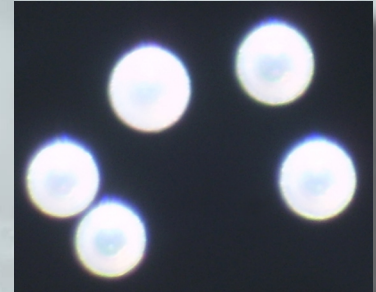


# Innovative Seeding Technology

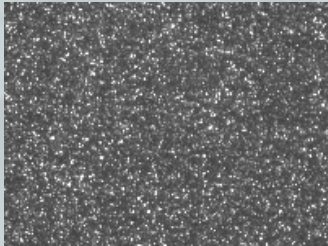
## ISOSPHERES™-T

### A new approach to seeding particle engineering

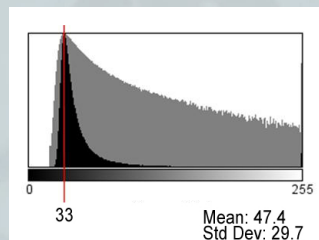
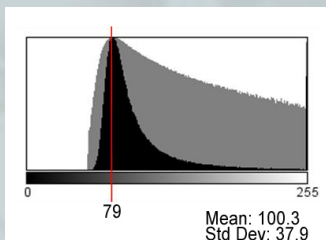
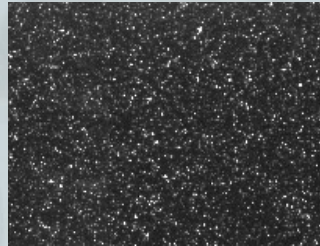
- Titania coated hollow glass microspheres
- Controlled buoyancy
- Optimised optical properties
- Chemically inert
- Size range; 5 - 20 microns



ISOSPHERES™-T



Silver-coated microspheres



### Microsphere Technology Ltd

MTL is one of the world's leading specialists in coating microspheres with a range of materials including metals, pigments, and dyes.

In working with partners in the fluid dynamics community, including Laser and Imaging Sciences Ltd, MTL have designed and produced ISOSPHERES to have optimal light scattering and buoyancy properties.

### 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 @ 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.

Source: Aberdeen University.

### ISOSPHERES-R

MTL has also developed a unique Rhodamine B fluorescent microsphere product. With its ideal buoyancy characteristics, ISOSPHERES-R has been specifically designed to provide users with a seeding material capable of delivering high performance at a competitive price.

Contact Microsphere Technology Ltd today for more information about the benefits of ISOSPHERES™ and custom product creation.

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