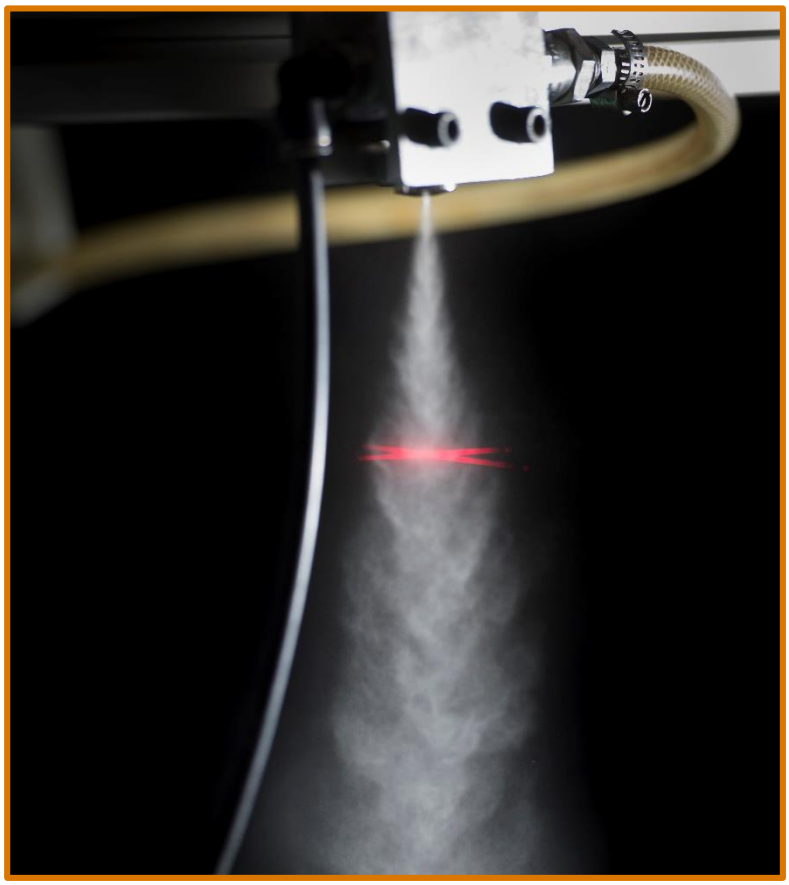
BEX®

Your Spraying & Mixing Partner

How big are your droplets?

Find out using Laser Doppler Anemometry



If your system delivers cooling, scrubbing, humidity control or dust suppression – droplet size is critical.
Find out how yours measure up.
Rely on BEX to help you meet your requirements.

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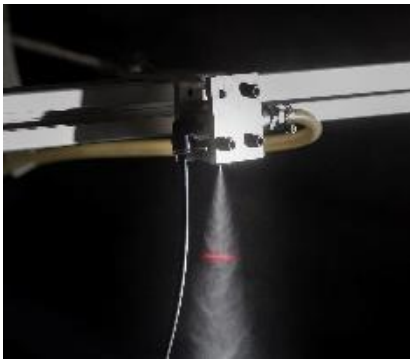
BEX® Your Spraying & Mixing Partner

Our LDA lab is just a call away.

For some nozzle applications, droplet size is critical. Examples where this is true are cooling, scrubbing (absorbing pollutants from a flue gas), humidity control and dust suppression. Designing, modifying or maintaining such systems likely means there is a droplet size specification that needs to be met. BEX makes it easy for you to meet your requirements. Contact us to find out how.



As two properly configured laser beams intersect, the light beams set up an interference pattern. As a droplet passes through this interference pattern, it scatters the light from the pattern in a burst of reflected light. The properties of the scattered light depend on the droplet size. The bursts of scattered light are captured by a receiver, and are converted to an electrical signal, which is interpreted by software to calculate the droplet size.

Atomization is the breaking apart of a water droplet into a mist. The degree to which a spray is atomized depends primarily on pressure, viscosity and surface tension, and varies from point to point within a nozzle's spray distribution. Any nozzle can produce a wide range of droplet sizes, depending on the operating conditions, such as temperature and pressure. *Note: BEX can measure water droplet size for atomizers and small, regular nozzles.*

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