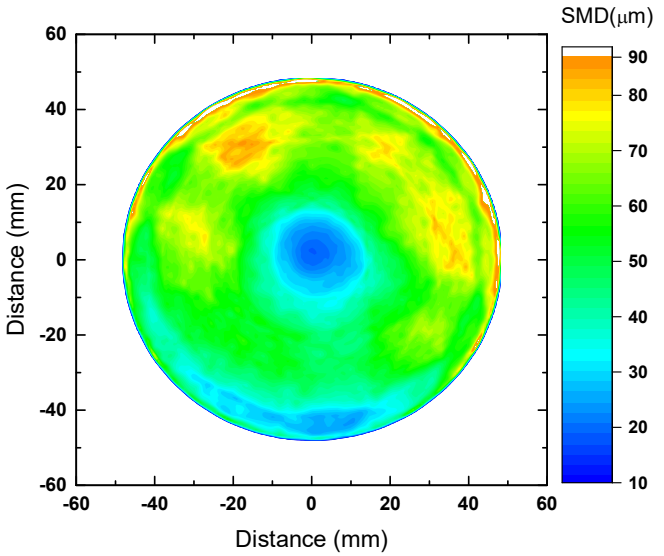
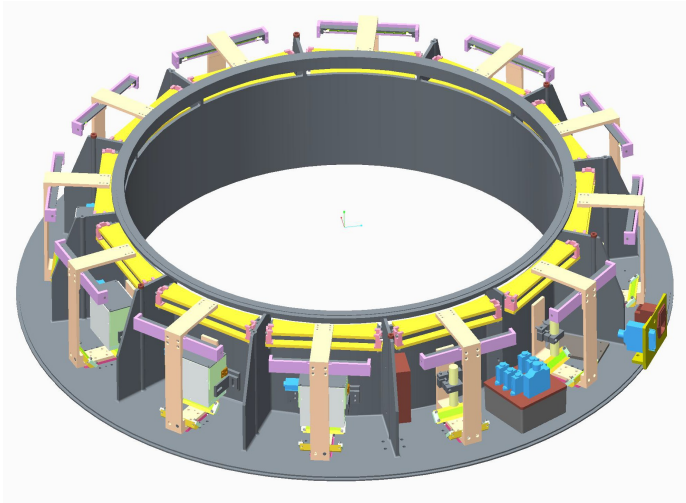
FLXscan Tomography





Planar drop surface area densities, mass concentration, and drop sizes in spray obtained using a 3-axis combined fluorescence/extinction tomography

Features

- Three axis extinction and three axis emission intensity measurements for high spatial resolution
- Temporal resolution as high as 10 KHz
- Local surface area density obtained with extinction tomography
- Local mass concentration from fluorescence emission tomography
- Suitable for planar drop sizing in sprays that fluorescence
- Transient mass concentration and surface area density profiles for multi-plume and irregularly shaped sprays
- Maps density variations in high speed turbulent flames
- Tomographic system for multiple applications in the automotive, power, aerospace, consumer, pharmaceutical and food industry
- Lease and in house contract testing options

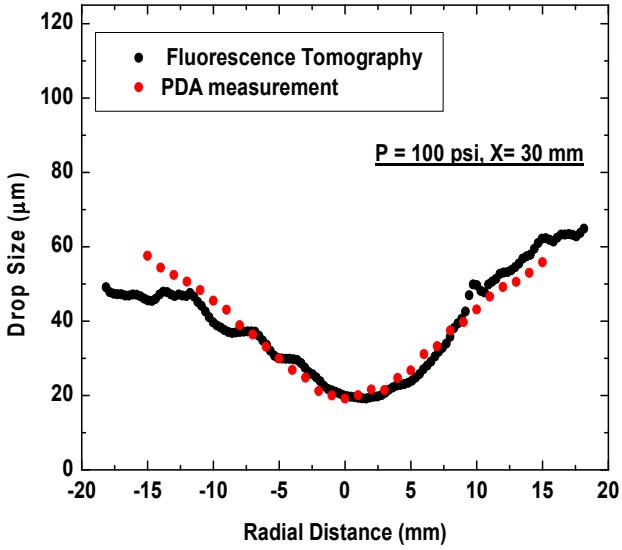
Fully customized single axis system for steady state sprays
* Patent application on file at USPTO.

En'Urga Inc. provides a full range of contract testing services including optical patternation, diffraction drop sizing, PDA, and pattern imaging velocimetry. GDI testing inside a chamber at sub-atmospheric pressures and various fuel temperatures is one of our specialties.

Contact info@enurga.com

Single axis features ➢➢➢➢

- ➢ Nozzle rotated six times to provide full tomographic results
- ➢ Fully customized for various size spray domains
- ➢ Easy to use point and click graphical user interface
- ➢ Developed using National Institute of Standards and Technology support.
- ➢ Long term service contracts with annual maintenance check ups



Validation with PDA results

En'Urga Innovative Spray Diagnostics Suite

SETscan Optical Patternator using extinction tomography
SETXvue Quantitative spray diagnostics using X-Ray tomography
PODscan Planar drop sizer using scattering tomography
SPIV Planar velocimeter using pattern imaging correlations
FLXscan Combined Extinction/Fluorescence tomography

En'Urga Inc.
Innovations in Quality Control

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