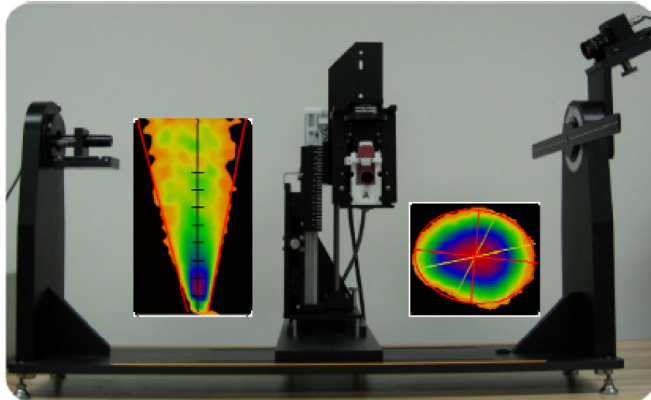


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# **InnovaSystems, Inc.**

## **Technology Engineering**

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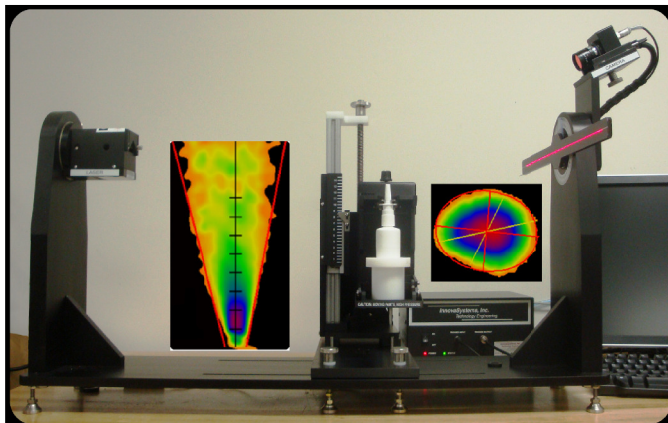
- **Automated Nasal or Oral Spray and Metered Dose Inhaler Products Testing**

- ISI-5000 – Aerosol Drug Spray Analyzer for Spray Pattern and Plume Geometry Analysis

- One Station can Analyze both Nasal Spray and Metered Dose Inhaler Products.

- Analysis Software computes the FDA-recommended spray measurements

- Reproducible Actuation



***ISI-5000*** – Aerosol Drug Spray Analyzer

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## ISI-5000...

Performs the FDA recommended Spray Pattern and Plume Geometry on your Metered Dose Inhaler and Nasal Spray Products. InnovaSystems unique design allows the user the flexibility to switch configurations **supporting both MDI and Nasal or Oral Spray Testing.**

Uses a laser light sheet to illuminate a horizontal or vertical cross-section of a spray. Light scattered from illuminated droplets is photographed with a high-speed digital camera. The data is captured and the analysis software computes the spray measurements and exports the results to Excel.

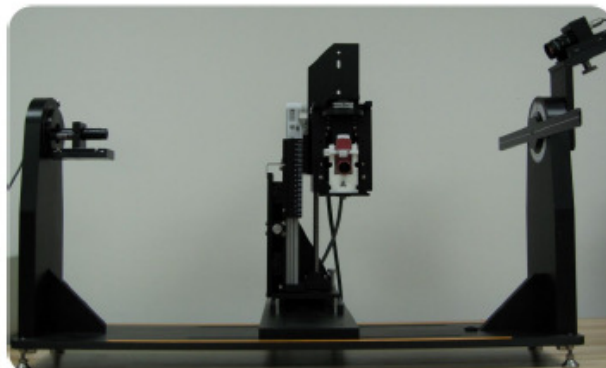
Supports 21 CFR Part 11 Compliance and simplifies validation with the IQ/OQ documentation.

### Includes

- High-Speed Digital Camera
- Low-Power Laser
- Rotary Frame Support
- Actuator Mount
- Calibration Module
- ISI-5000 Validation Protocols, IQ/OQ
- ISI-5000 Application & Analysis Software
- PC

### Options

- MightyRunt NSP Actuator
- NSP UA Universal Actuator
- MDI AS Actuation Station



The ISI-5000 Aerosol Drug Spray Analyzer can use the MightyRunt, NSP UA or MDI AS interchangeably for testing Nasal and Oral Sprays and MDI's.



### Spray Data:

#### Spray Pattern:

- Maximum Diameter
- Minimum Diameter
- Ovality Ratio
- Perimeter
- Area
- Inclusion Ratio
- COG/COM Identification

#### Plume Geometry:

- Plume Width
- Spray Angle
- Tip Width
- Width Coefficient
- Plume Height

## Specifications

Utilities	Power	Air
	110/220 VAC 50/60 Hz	100-120 PSI

### For more information contact:

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