

Nasal Spray Products

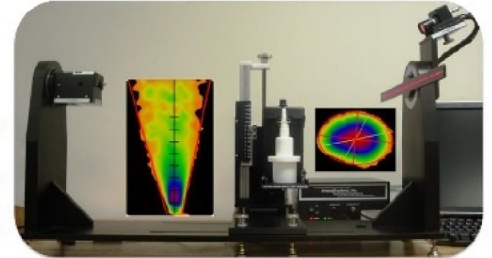
Automation Suite

Increase Throughput
Improve Accuracy and Reproducibility

Improve Productivity
Reduce Repetitive Motions

ISI 5000 Aerosol Drug Spray Analyzer

Automates Spray Pattern and Plume Geometry
One Station can Analyze Nasal Spray and Metered Dose Inhaler Products
Analysis Software Computes FDA Recommended Spray Measurements



NSP DW Dose Weight Station

Automates Dose Weight, Priming/Repriming, Tail-Off Profile Testing
Processes 20 Bottles Unattended
Stores Data for Analysis

Dose (Shot)

Priming /
Re-priming

Spray Pattern

InnovaSystems, Inc

Technology Engineering

PAWS Pump Actuation and Weight Station

Automates Actuation and Dose (Shot) Weight
Droplet Removal and Waste Collection
Calculates and Stores Data



Droplet Size

Tail-Off
Profile

Prep for Dose
Uniformity



NSP DWC Dose Weight and Collection Station

Automates Dose Weight, Priming/Repriming, Tail-Off Profile Testing, Prep for Content Uniformity
Sprays into Collection Vials, adds Solvent, Caps and Mixes



NSP UA Actuation Station

Automates Actuation of Nasal Spray Bottle
Accepts most Nasal Spray Products
Monitors Force and Travel

Mighty Runt Actuation Station

