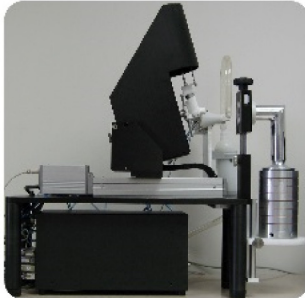


Metered Dose Inhaler Automation Suite

Increase Throughput
Improve Accuracy and Reproducibility

Improve Productivity
Reduce Repetitive Motions



MDI ACS Actuation & Collection Station

Agitates and Actuates a Single Canister within its Patient Actuator
Provides Unattended Wasting and Collection for Analysis
Minimizes Dose Content Uniformity Variability; Provides Reproducible Agitation

Dose (Shot)
Weights

Priming /
Re-priming

Leak Rate

MDI DW Dose Weight Station

Automates Dose (Shot) Weight, Priming/Re-priming,
Tail-Off, Leak Rate and SUT
Processes Minimum of 20 canisters, Unattended
Tests Both Ex-valve and Ex-actuator



MDI AC² Automated Canister Cutter

Automates Cap or Canister Cutting
Accommodates Most Canister Sizes
Easy Access to Container or Cap for Testing

InnovaSystems, Inc
Technology Engineering

Particle Sizing

Simulated
User Testing

Spray Pattern
Plume Geometry

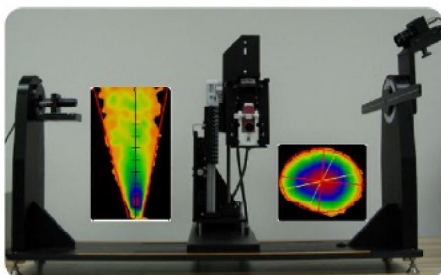
MDI FD -10 Fire Down Station

Simultaneously Agitates and Actuates up to 10 Canisters
Integrated Manifold Accepts Vacuum for Waste Removal
Can be Fitted to use Patient Actuator



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



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