



SpraySight

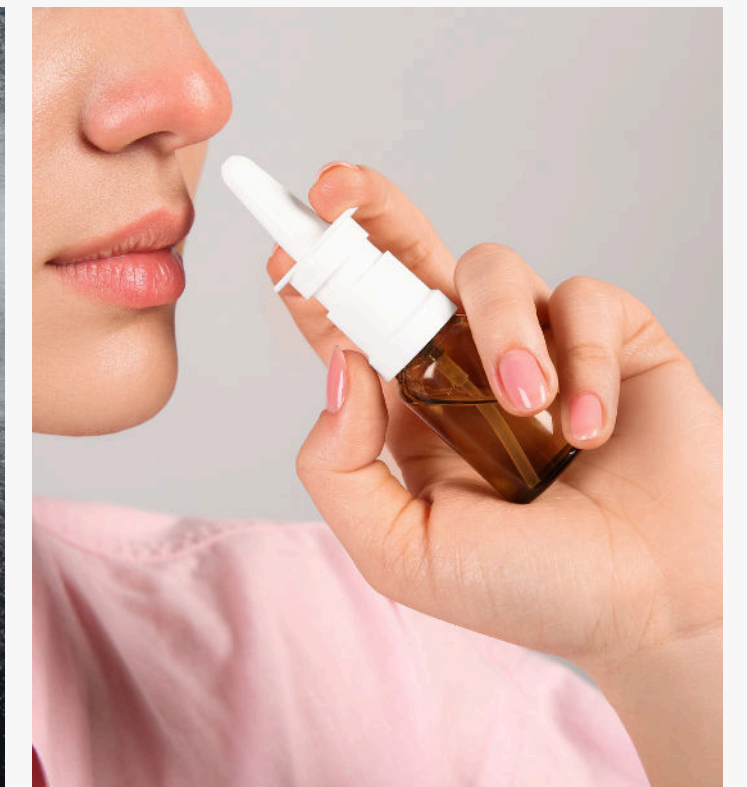
**INSIGHTFUL SPRAY
CHARACTERIZATION**

Application and Utility

Across industries, spray characterization provides critical insights into parameters like spray angle, distribution and coverage.

These metrics help optimize processes, **improve product quality, reduce waste, and ensure compliance with stringent industry standards.**

Whether used in pharmaceuticals, cosmetics, food & beverage, consumer products, or beyond, a well-characterized spray pattern is a key driver of success in **delivering consistent, effective products and processes.**



Empowering Precision in Spray Product R&D

SpraySight is a versatile and easy-to-use spray characterisation platform tailor-made to advance spray research in:

- Pharmaceuticals and Biotech (inhalers, topicals, spray coating processes, etc.)
- Cosmetics and Personal Care (mists, sprays, atomisers)
- Food and Beverage
(flavour or preservative coatings)
- Household Consumer Products
(cleaning products, deodorants and disinfectants)



What is SpraySight ?

SpraySight is a spray characterisation platform that can be used to adjust key parameters in one compact unit.

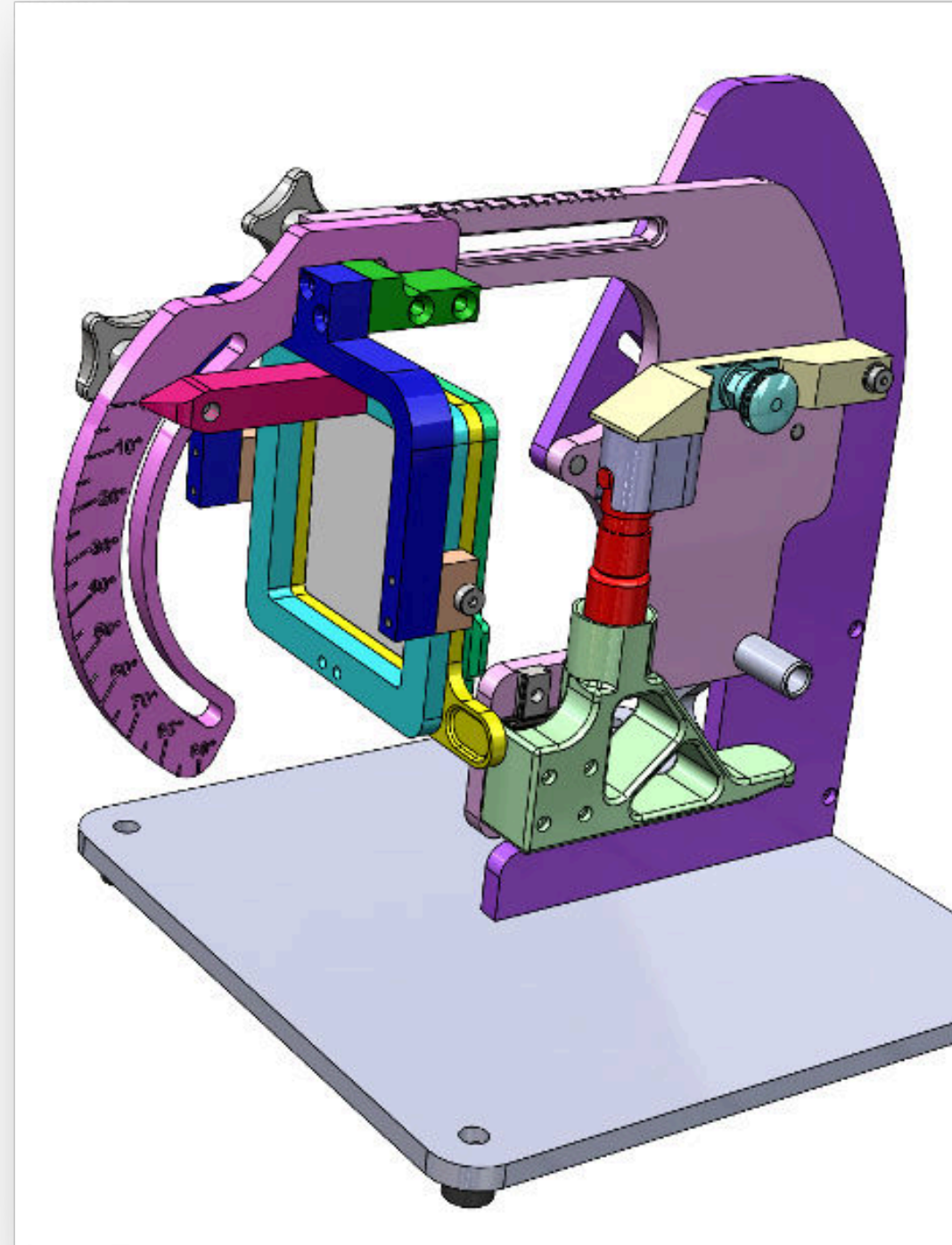
Key Features:

Precise distance and orientation control

Instantly visualise spray patterns and dynamics

Adaptable to various spray types and configurations

Intuitive and reliable operation



Why SpraySight ?

SpraySight is a spray characterisation testbed that can be used to adjust key parameters in one compact unit.

Precision:

Obtain reproducible and accurate data to optimize product performance.

Versatility:

Suitable for testing aerosols, atomizers, and nebulizers.

Efficiency:

Reduce development time with fast and actionable insights.

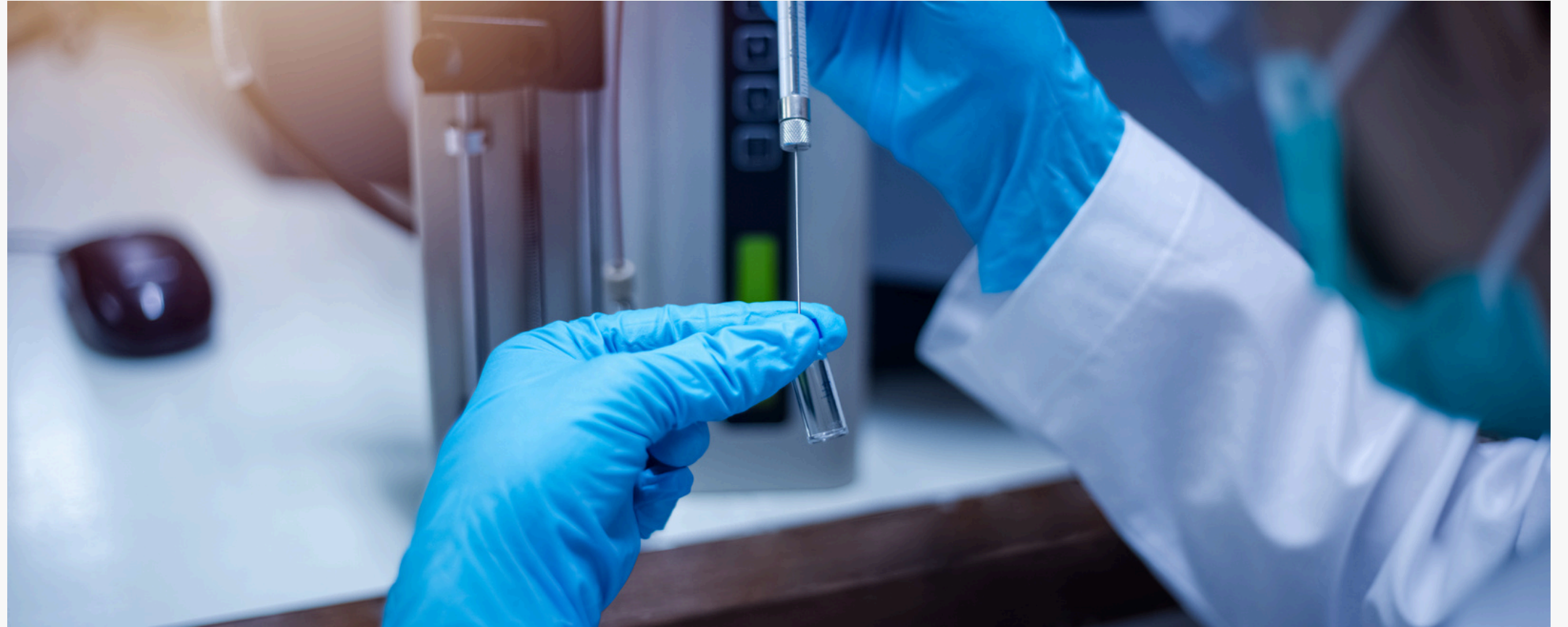
Adaptability and Scalability:

Ideal for early-stage research to full-scale development.



Benefits...

Pharmaceuticals and Biotech



Key Applications:

Topical applicaitons

Nasal Sprays

Inhalation Therapies

- Precision in droplet distribution control: Ensures optimal drug delivery for improved patient outcomes.
- Regulatory compliance: Provides robust, reproducible data for regulatory submissions (FDA/EMA).
- Reduced R&D time: Faster optimization of formulations and devices through real-time data capture.
- Enhanced bioavailability: Enables fine-tuning of spray dynamics to increase drug absorption efficiency.

Benefits...

Cosmetics and Personal Care



Key Applications:

- Perfumes, facial mists, and skin sprays
- Hair sprays and styling products
- Sunscreen and cosmetic sprays
- Consistency in spray patterns: Ensures a uniform application, enhancing the user experience.
- Optimized sensory experience: Fine-tunes droplet size for ideal product feel on skin or hair.
- Improved product differentiation: Helps brands create unique spray profiles to stand out in the market.
- Reduced waste: Better control of spray dynamics minimizes product overuse and improves cost efficiency.

Benefits...

Food & Beverage Industry



Key Applications:

- Spray-dried ingredients (e.g., flavors, vitamins)
- Food coatings and glazes
- Beverage atomization

- Uniform coating application: Enhances product appearance and consistency.
- Improved shelf life: Precise droplet control ensures even distribution of preservatives.
- Process optimization: Reduces production time and material waste by refining spray parameters.
- Better product quality: Achieves desired texture and taste through precise formulation control.

Benefits...

Household Consumer Products



Key Applications:

- Disinfectant sprays
- Glass cleaners
- Kitchen de-greasers
- Air Fresheners and deoderizers
- Fabric sprays

- Improved cleaning efficiency: Ensures optimal droplet size and coverage for disinfectants, glass cleaners, and multi-surface sprays.
- Reduced product waste: Accurate spray patterns minimize over-application and product loss.
- Safety validation: Ensures safe droplet size for aerosolized products used in home environments.
- Enhanced user satisfaction: Consistent spray performance leads to better cleaning results and positive user feedback.