MITANI

HIGH
Adhesion Button
付着率アップボタン

MITANI

Suppress splattering and breathing formula.

Prevent health problem suppressing particle size under 10μm which is easy to get alveolus.

舞い散りや吸い込みの抑制

容易に肺胞まで到達しやすいとされる 10μm
以下の粒子割合を抑え健康被害を予防。

MITANI

1. Raise adhesive rate and effectiveness.

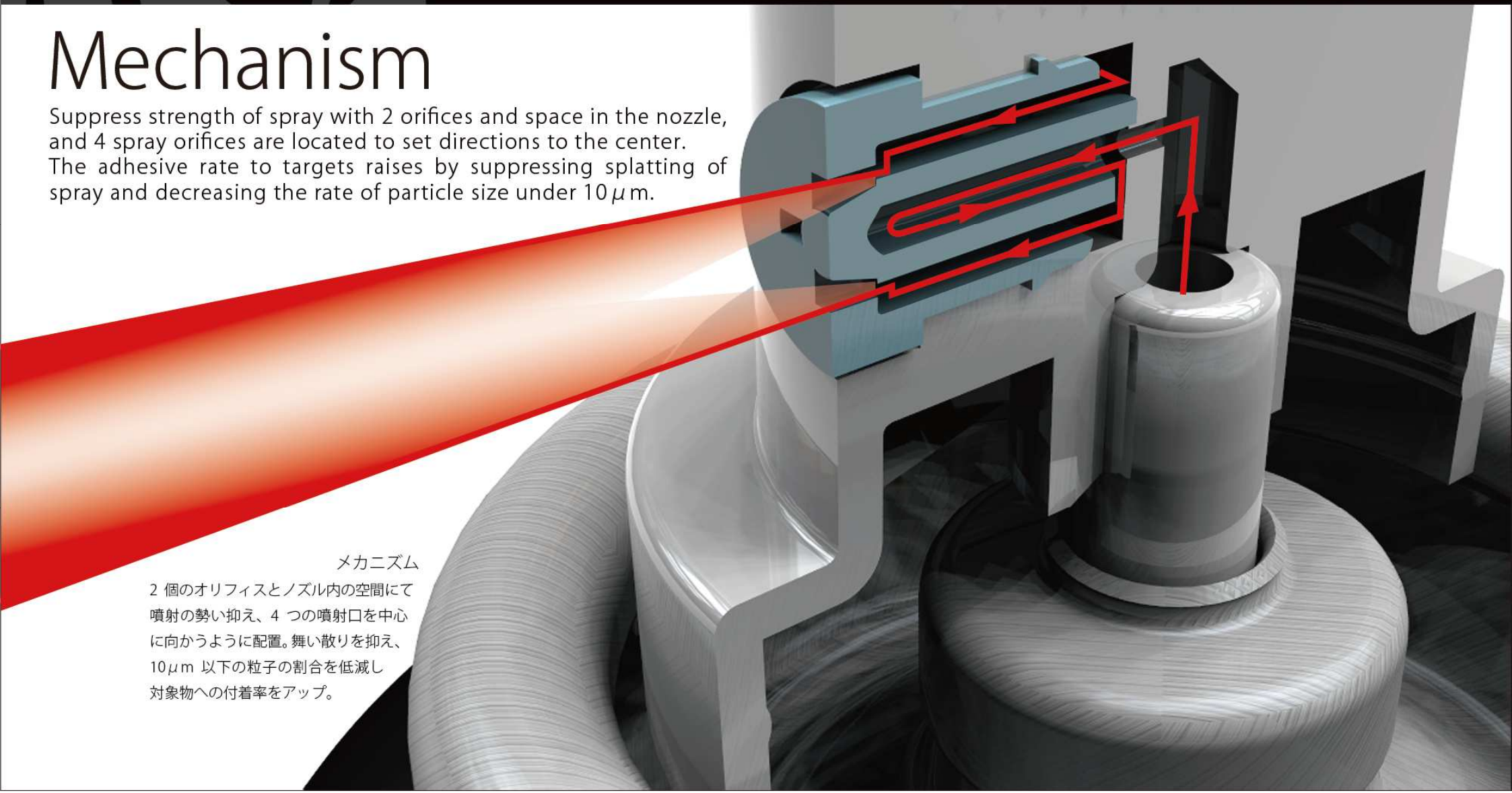
2. Suppress spattering and breathing.

付着率を上げ、効能もアップ。
飛散と吸込みを抑制。

MITANI

Mechanism

Suppress strength of spray with 2 orifices and space in the nozzle, and 4 spray orifices are located to set directions to the center. The adhesive rate to targets raises by suppressing splatting of spray and decreasing the rate of particle size under 10 μm.



メカニズム

2 個のオリフィスとノズル内の空間にて噴射の勢い抑え、4 つの噴射口を中心に向かうように配置。舞い散りを抑え、10μm 以下の粒子の割合を低減し対象物への付着率をアップ。

Adhesive Rate Test

Measure adhesive rate after spraying on paper towel and puff from the certain distance.

「付着率テスト」 一定距離離れたキッチンペーパー/パフに内容物を噴射し、付着率を測定。

Paper towel

Distance 150mm, Spray 3 seconds

キッチンペーパー : 距離 150mm に 3 秒間噴射

	Current Nozzle	New Nozzle
A. BB spray	21.4%	39.7%
B. UV spray	52.7%	56.8%
C. Repellent	26.4%	29.8%

Puff

Distance 150mm, Spray 1 seconds

パフ : 距離 150mm に 1 秒間噴射

	Current Nozzle	New Nozzle
A. BB spray	47.1%	56.4%

Measurement of Particle Size

Measure ratio of particle size under 10 μm and average particle size with particle counter.

「粒子径測定」レーザー回析粒度分布測定装置にて平均粒子と10μm以下の粒子割合を測定

Average of Particle Size

	Current Nozzle	New Nozzle
A. BB spray	9.0μm	5.8μm
B. UV spray	16.7μm	80.7μm
C. Repellent	15.8μm	33.8μm

The rate of particle size under 10μm

	Current Nozzle	New Nozzle
A. BB spray	35.4%	13.6%
B. UV spray	10.4%	0.8%
C. Repellent	11.6%	3.4%