Collect Wear Particles

movie

Fuzzy particles,
Proper analysis.

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BRIDGESTONE × UESHIMA

Collaboratively developed

FPS
Wear Particle
Collecting System

MODEL | AB-2020P

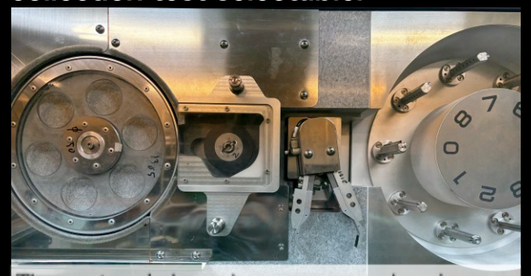


Ueshima Seisakusho Co., Ltd.



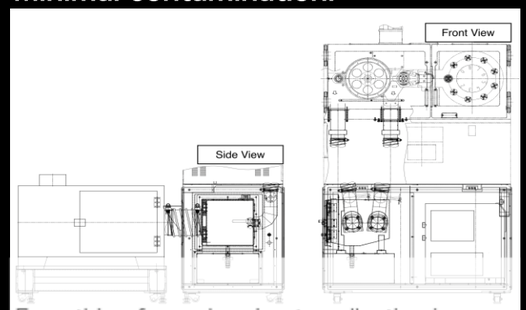
The world's first lab-scale wear particle collecting system.

Both abrasion and wear particles collection test selectable.



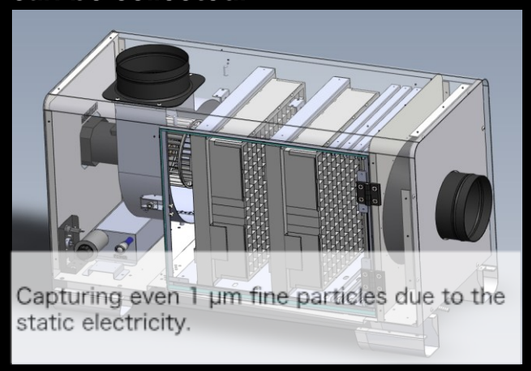
The system is based on a proven abrasion tester for tire material development. And the best correlation with wear properties of the actual tire.

Minimal contamination.



Everything from abrasion to collection is completed within the system.

Almost all the wear particles can be collected.



Capturing even 1 μm fine particles due to the static electricity.

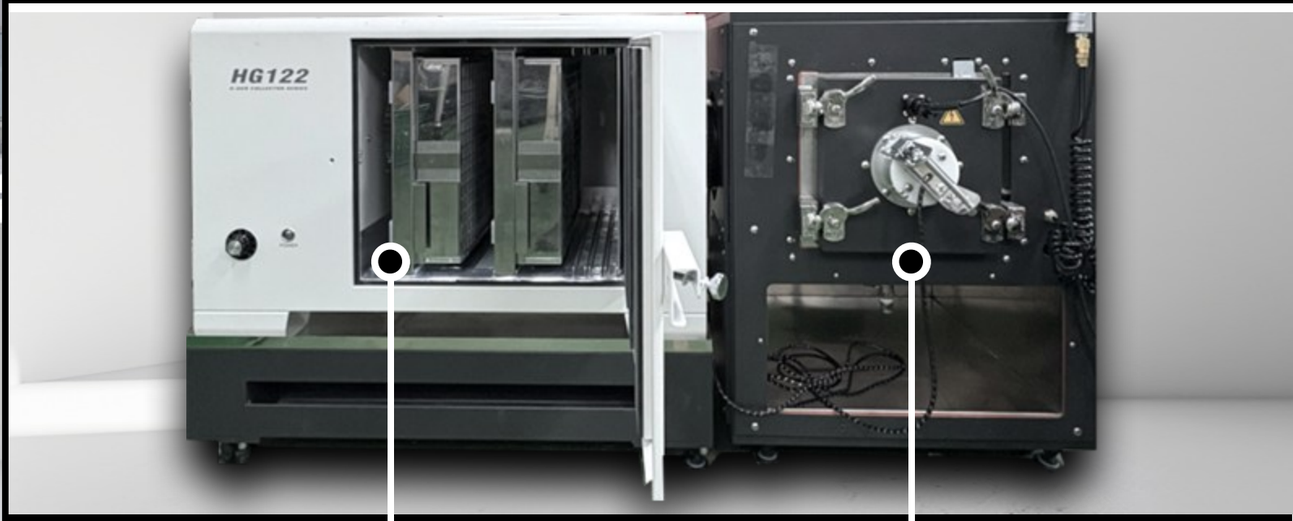
Solved COST and TIME consumption.



Valuation of actual tire is very time consuming and costly. Our approach towards achieving your goals at the lab scale.

Collection mechanism

Meets various analytical needs.



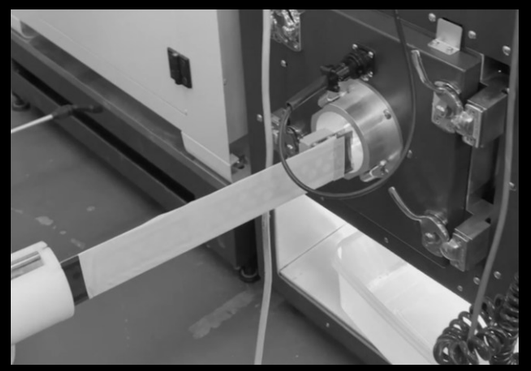
Collector cell

The washable units allow evaluation of total wear particles of a test.



Electrostatic Sheet

Easy and efficient with replacement sheets. Only 3-minute test can grasp the trend.



Analysis example

Clear observation of significant differences

Wet collection

The collected substance can be analyzed without any loss in the condition of suspension.





Dry collection

Particle size distribution by micro-scope.

