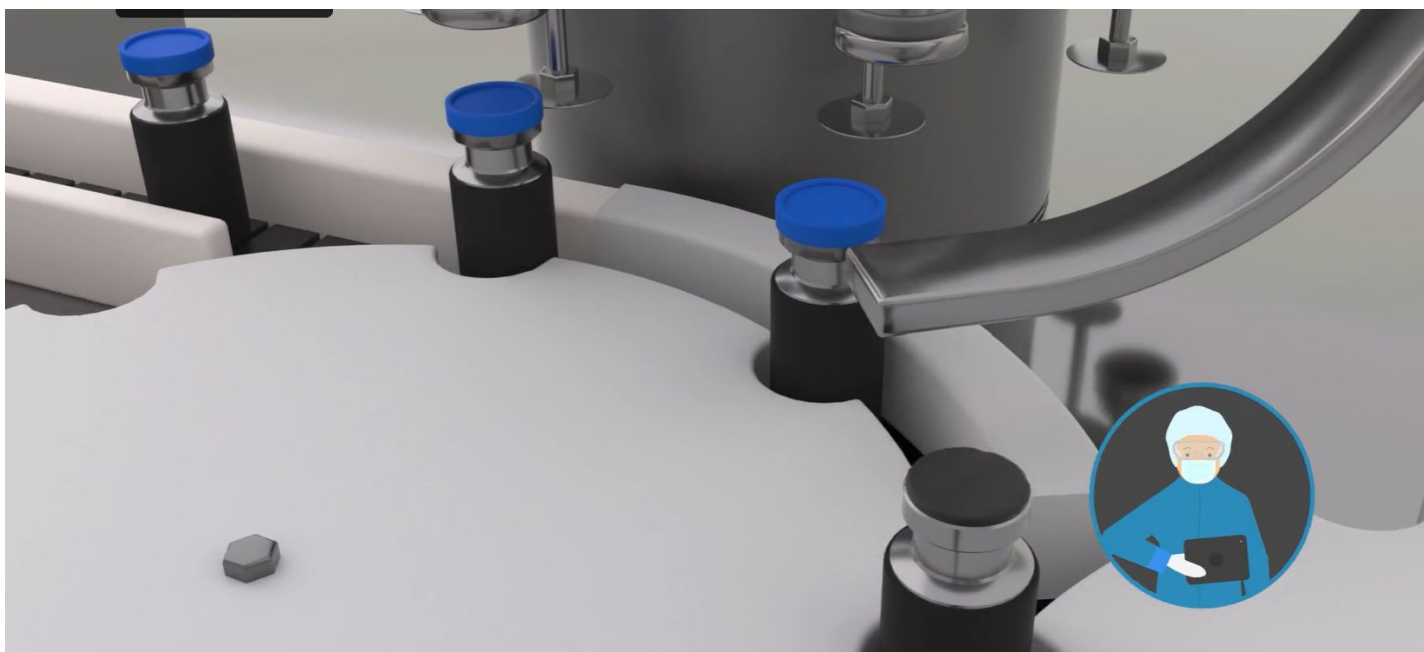# Vial Seal Assurance System

Instantly identify capper head issues and optimize seal quality with SmartSkin's new multi-drone seal assurance system

Reduce seal force variability between capper heads and optimize seal quality

As demand increases for solutions that help to ensure proper seal quality and container closure integrity, SmartSkin has developed an innovative drone format, the Seal Tightness drone, that allows pharmaceutical manufacturers to measure capping and crimping forces in production.

The latest Vial Seal Assurance System allows a fleet of up to 16 Seal Tightness drones to be run in parallel to continuously quantify and record the immediate top load pressure applied and sealing forces over time.

Quickly pinpoint issues with specific capper heads and develop a better understanding of capping machinery and its effects on seal quality.

The Vial Seal Assurance System allows multiple Seal Tightness drones to be run in parallel, providing a complete analysis of the capping forces applied by each head and the resulting seal force over time.

Case Study | Seal force variation after capping and crimping through an 8-heat capping turret

GSK applied SmartSkin's 2 ml Seal Tightness drone to assess the capping performance of each head in an 8-head capping turret. A single drone was run through the process repeatedly and monitored for 30 seconds after crimping. Results indicated that the initial top load pressure applied by each capping head was consistent while **seal tightness measured by the drone showed unexpectedly high variability with a 10X difference between the lowest and highest value**. It was determined that the crimping wheels need adjustment to ensure that a sufficient seal force is being generated on every vial.

QUANTIFEEL™
LINE MONITOR SYSTEM
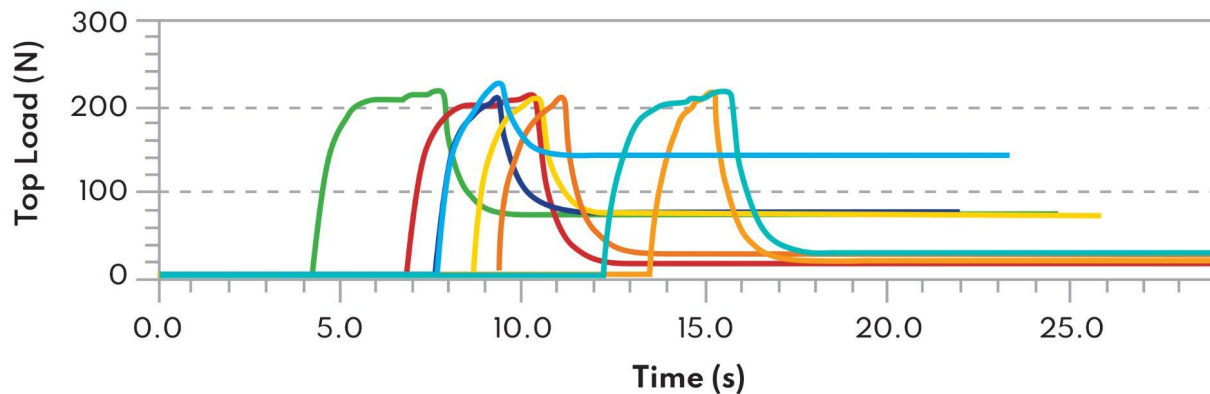
With the latest Seal Assurance System and Quantifeel™ software, assess the entire capping machine in a single run to instantly identify which capper heads are linked to poor seal tightness.

Accelerate troubleshooting activities, optimize seal quality, and protect products down the line.

Available on Android/iOS.

Genesis Packaging Technologies

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