

Monitor Cup Quality – Quickly and Cost-Effectively.

Vacuum decay leak testing is the fast, reliable, **nondestructively** way to monitor the consistency and integrity of your paper cups and cup seals.

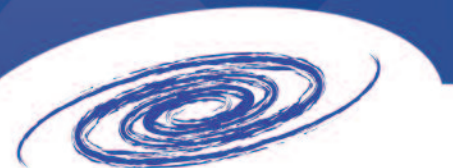
Using Infinite Motion Control's advanced vacuum seal technology, the system returns a decay value for each paper cup that is tested. The level of the decay is directly related to the quality of the cup. The vacuum decay leak test can be used to monitor and record the quality of the cups being manufactured and detect when seal quality is beginning to degrade, well in advance of actual leakers.

The system evaluates the entire paper cup, not just the seals. Decay values can be data-logged to provide a historical record of cup quality.

The compact IMC vacuum decay leak testing lab unit gives you:

- **Versatility.** The quick-change pocket allows testing of multiple cup sizes with a single system.
- **Ease of Use.** Clear, concise, touch-screen display.
- **Reliability.** Microprocessor controlled.

Fast, Reliable,
NONDESTRUCTIVE
Leak Testing!



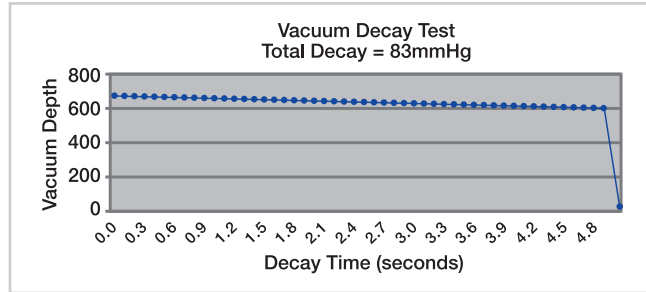
Fast, Accurate Leak Testing at the Touch of a Button.

What Could Be Easier?

- Place a paper cup into the pocket and press the green **START** button.
- The top plate seals the paper cup into the pocket.
- A deep vacuum is created between the outside of the cup and the pocket.
- The vacuum source is shut off and the vacuum depth in the pocket is monitored during the leak test period.
- The amount of vacuum decay during the test is directly related to the quality of the cup – excessive vacuum decay indicates that the cup is low quality and may leak.

Create a Permanent Record of Leak Test Results With the Optional Data Collection System

- Includes a dedicated laptop computer with IMC's sophisticated data collection software.
- The cup will either pass or fail. Test results are charted, displayed on the computer screen, and recorded to the database. Custom reports can be generated. More importantly, the collected test results can be used to detect statistical variations in test values, which may indicate changes in the quality of the cups being produced.



Deep Vacuum (over 600 mmHg) is drawn on the outside of a container before a valve shuts off the supply of vacuum and starts a timed test. The level of vacuum is monitored over a 5 second period of time. The ending vacuum level at the end of the 5 second test is captured and recorded and is proportional to the quality of the container.

Accelerated
Time To Market
On Custom Orders



www.infinitemc.com

Infinite Motion Control, Inc. an engineering company

W60N151 Cardinal Ave. ■ Cedarburg, WI 53012 USA ■ Phone:+1(262) 242-4333 ■ Fax:+1(262) 242-5333

