

ALPS

RS-S Linear Moving Head Leak Tester

The ALPS RS-S Linear moving head leak tester inspects containers through the use of a continuous-motion, no-tooling machine. The system works on demand, monitoring the customer conveyor speed, sensing incoming containers and moving the test probe in sync with the movement of the bottle.

The RS-S Linear includes a separate floor-standing control stand, along with a compact probe carriage assembly designed to mount directly to a customer conveyor. Speeds range from 10 Bottles Per Minute up to 160 BPM for the smallest containers.

Application Examples

Very Small Bottles (e.g. Pharma down to 3cc range)

- Tiny footprints
- Avoid conveyor transfers
- Avoid jams/fallen bottles due to touching of bottles



'Shingling' bottles (e.g. severe oval or teardrop shapes)

- Small, non-straight sides
- 'Sticky' polypropylene material
- Avoid jams created by touching of bottles



Bottles that do not 'nest' effectively (e.g. 'tri' drug bottles)

- Avoid conveyor transfers, bottles 'wedging'
- Avoid jams created by backlogs or touching of bottles



Reverse taper or extremely tall/thin bottles (e.g. personal care)

- Reverse tapers and sharp corners
- 3:1 to 4:1 and higher height-to-base ratio
- Avoid jams/fallen bottles due to touching of bottles



U.S. Patent #7,266,993

Key Features and Benefits

Feature	Corresponding Benefit
Test Probe moves with each bottle via use of a servo driven slide	No need to stop bottles or backlog bottles prior to the machine; and no change parts tooling required
Encoder input is used to monitor line conveyor speed	Automatic matching of probe speed to conveyor speed
Works over existing customer conveyors	Convenient installation and no bottle transfers required for leak testing
Guided setup software	Ability of a novice user to perform an effective setup on a new container
Integrated 'Self Test' function	Easy and reliable means to verify detection of a defined hole size through the touch of a button (or can be automated)

ALPS

Air Logic Power Systems LLC (ALPS)

1745 S. 38th Street, Suite 100, Milwaukee, WI, 53215-1732

Phone: 414-671-3332 • Fax: 414-671-6645

24 Hour Service HOTLINE: 800-325-8717 or 414-671-3332

Web: www.alpsleak.com • Email: info@alpsleak.com