



Belvac Production Machinery Technical Bulletin

Information for Customers Operating & Maintaining Belvac Machines

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Page | 1 of 1

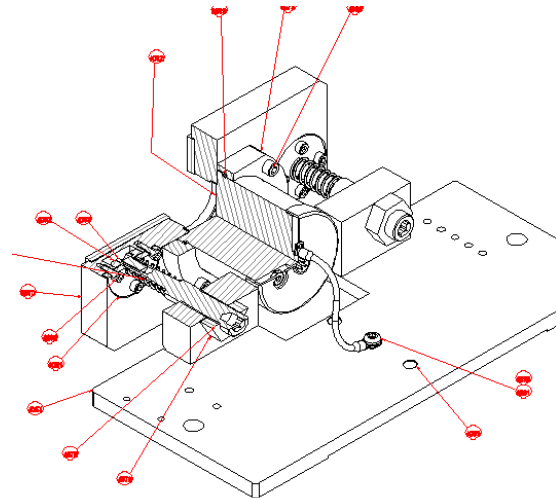
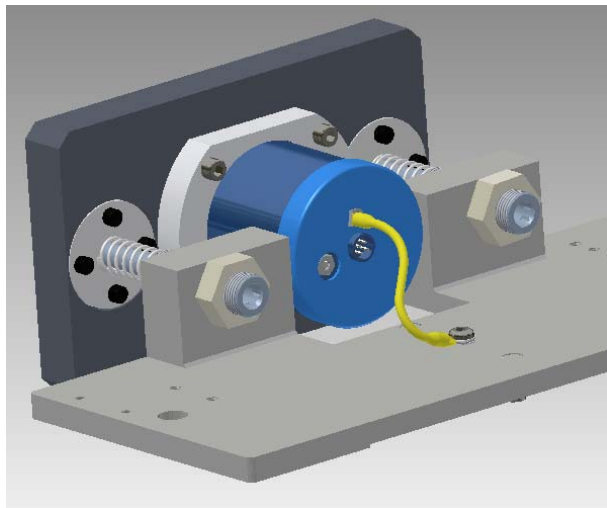
BV43 SHUTTERLESS DETECTOR HEAD ASSEMBLY

Sencon BV43 Light Tester with “shutterless” cleanliness test

Belvac announces a significant enhancement to the Sencon BV4x series Light testers on Belvac Neckers. The latest revision, BV43, offers a “shutterless” cleanliness test. Instead of moving a precision aperture (or pin-hole) in front of the detector head, the BV43 requires no moving parts to perform a cleanliness test (formerly called a shutter test). The new system uses a low light setting instead of an aperture during the cleanliness test. The Sencon controller signals to the LED array to use the low light setting during the cleanliness test.

The aperture housing, the aperture pivot, link, pneumatic cylinder, two “aperture housing detection” proximity switches, and the solenoid valve are no longer needed.

Changes from the BV42C include a new detector head, new detector head mounting assembly, a communication cable between the Sencon LED array and the Sencon controller, a new card in the Sencon controller rack, new Sencon processor firmware, and new LED array firmware.



All future Sencon light testers on Belvac Neckers will include this new feature. The BV43 light tester is available on new Neckers, add-on light tester modules, or as an upgrade from an older version light tester.

Contact Belvac Sales for quotes to upgrade to the BV43 light tester.