

Five Piece Test Kit Assembly

Sort/Feed/Assemble

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Project Brief

Sort, feed, orient and assemble a five component "Lead Check" test kit, utilizing three Farason Model SD-18 Disc Sorters to sort and feed an inner plastic tube, a fibrous applicator swab and a cardboard outer sleeve.

A cam-operated walking beam carrier receives the inner plastic tube from the first sorter bowl and moves the part through the assembly process. Ampoules are fed from two Hoppman Model FT-15 Centrifugal Feeders, tooled by Farason, and are inserted into the inner sleeve during the cycle dwell.

After sorting, the fibrous applicator swab is fed into an indexing alignment wheel and subsequently guided by a funneling device as it is inserted into the inner plastic tube. An acetone and methanol mixture is dispensed onto the swab to adhere it to the inner plastic sleeve.

Lastly, the cardboard outer sleeve is sorted, fed and pressed over the inner tube assembly. Systems are designed to suit customer's specific application.

Machine Data

- Sort and Feed Five Components
- Fragile Glass Ampoule Feeding
- Inline - Intermittent Motion
- Walking Beam Style Carrier
- Accommodates Varying Assemblies
- Inspect - Reject Device
- Speed Range: Up to 80 Cycles/Min

Standard Features

- Stainless Steel Construction
- Anodized Aluminum Components
- Complete Interlocked Guard Package
- Fast Toolless Change-Over
- PLC Controlled Sequence Logic
- Operator Interface Terminal
- Color Coded Light Column

Other Uses

- System is adaptable to a variety of small component assembly uses

More Information

For more information on this, and many other Farason projects, please visit our website at www.farason.com or call us at (610) 383-6224.