KINESYS
Automation, inc.

Semi-Automated Ink Filler

Imagined

Develop a low cost, user friendly, compact, and versatile filler to service the needs of ink manufacturers wishing to incorporate levels of automation to their filling processes.

Engineered Solution

A standalone filler with unique design features to integrate lid closers/crimpers, tapers and label applicators of varying levels of automation, and accommodate a wide range of container sizes.

Kinesys Automation's Semi-Automatic Viscous Product/Ink Filling System accommodates a wide range of standard containers including 1/5/10 pound slip-top cans and 1/2/3.5/5/6 gallon containers, and a wide range of cartridges.

The system utilizes a pneumatically-actuated plug valve assembly which minimizes product air entrapment and stringing. Using a pneumatic "blow-off", this component provides a smooth fill and a clean cut-off, even for troublesome products like sheet-fed printing inks.

The plug valve is constructed of electro-polished stainless steel with wetted surfaces. All connections are sanitary, tri-clamp for fast change-over, disassembly, cleaning and maintenance. The valve may be cleaned after use or dedicated to a particular product or family. As a function of its design and ease of disassembly, Kinesys' plug valve even accommodates shear-sensitive, UV-cure inks where other valves fail.

The plug valve assembly may be frame mounted for connection to a pump via hose or remote mounted to an overhead extrusion vessel. For those systems with remote mount configuration, the valves are equipped with quick-disconnect, color coded pneumatic connections.

Speed & Accuracy:
- Speed dependant upon product and infeed method
- Typical accuracy +/- .02 lbs

Standard Features:
- Kinesys Automation's Plug Valve Assembly
- Self Correcting Net-Weight Indicator Controls
- Quick-Connect Purge Manifold
- Product Infeed Control Valves

Optional Features:
- Manual Slip-Top Can Taping System
- Lid Closing/Crimping System
- Heavy-Duty Casters with Locking Brakes
- Stainless Steel Construction
- Explosion Proof Controls (Suitable for a Class 1, Division 1 Hazardous Environment)