

Universal Cartridge Filler

Imagined

Develop a highly automated, universal vertical cartridge filler to service the sealants and adhesives industries for dispensing wide viscosity range of material formulations.

Engineered Solution

Universally adaptable to process both pint and quart sized cartridges with any flat bottom and conical bottom plunger regardless of material construction, and without requiring any tooling changeover. Fully automated design with built in flexibility equipped with dual filler stations, desiccant dispenser, seam sealer, inkjet printer and lot number cold stamper for any one-part and two-part cartridge.

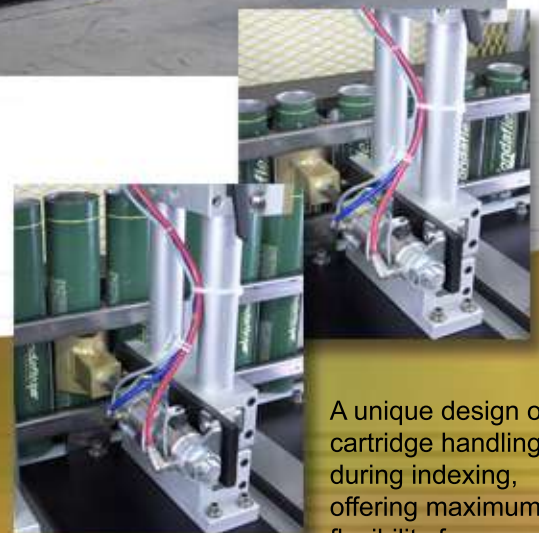
User customized nozzle motion profile for handling countless material formulations and cartridge geometries. Motion profile auto adjusts to changing environmental conditions that may influence material viscosity.



Universally adaptable to insert any flat bottom and conical bottom plunger with uniquely interchangeable nests designed for each plunger/cartridge combination. Plunger insertion cylinder equipped with linear encoder for positional feedback. Monitored insertion depth enables station to identify over-filled and under-filled cartridges based on adjustable user entered set points.



Equipped with dual fillers and dual plunger stations for 2-part cartridge filling and packaging. Universal and interchangeable filler stations with tool less changeover of nozzles for processing any cartridge, regardless of cartridge construction, material volume and viscosity, and size.



A unique design of cartridge handling during indexing, offering maximum flexibility for processing cartridges of any size . . .
 . . . without any tooling changeover!!!

