ORICS R50

The R-50 machine is a fully automatic rotary system that will de-nest, fill, seal, cap and discharge. The R-50 is built to handle a variety of containers for liquid, semi-liquid and semi-solid products.

R-50 Rotary Heat Seal Machine:

The R-50 is an index motion rotary machine. A round table is mounted on an eight stations Camco index drive. The dial table is made from stainless steel plate with the container carriers, made of anodized aluminium, inserted inside each cavity, for easy and inexpensive change over.

Container denester:

Containers are being dispensed automatically from a container dispenser. For proper placement of the containers into the table, a vacuum assist suction Container holds the container from the magazine to the table insert.

Electronic Detector:

At the next station, an electric sensor will detect the presence of the container and send a message to the next operating station. Shift register information will then be transferred. The signal of container presence will then activate the filler, sealer, caper, and the out-feed mechanism.

Option vertical servo driven piston filler:

Au automatic filling machine, VF-ND-3200 with a non-splash and non drip nozzle, built in to the R-50 for the vertical version. The filler is driven with an Allan Bradley servo motor and you can program the volume, speed, accel/deccel of the motion from the screen. The Nozzle is mounted over the third station of the machine. It will fill the container accurately with product. A variance of +/- 0.5% of the product weight will be achieved with the VF-ND-3200 filling machine. The containers are mechanically lifted during this process for a bottom up fill. The filler valve, nozzle plunger and piston are made for cold fill. However, if you fill your product hot, up to 200 degrees F, you can adjust the parts from Alloy 88 or PEEK for both hot and cold fill (additional cost).

Film feeder and die cut:

Two AC gear motors drives with ¼ Hp, motors and a computerized tension control will feed film from a roll stock. A seal head with a cutting die will seal and die cut the film around the container/s. The film waste will be collected on a spool roll for easy and quick removal.

Heat Seal

A multi power air cylinder will move the floating heat seal head down to seal the container/s. The heat seal temperature is controlled with a PID microprocessor controller and a PT-100 sensing device.

The heat is generated by a conductive heating element. It is mounted in a Teflon coated aluminum seal plate. The whole assembly is spring loaded for equal pressure and force distribution around the seal area.

Remember, if the film feeder option is chosen, the seal head assembly will have a knife for a die-cut of the roll stock. The pre-cut paper/foil lids application comes with a sealing head only.

Performance:

Up to 30-35 cycles per minute, depending on the application, product temperature, viscosity and package shape and material.

Requirements:

220-240 volts, 3 Phase, 30 Amps

90 PSIg, 30 CFM.

Control components are 24 Volts DC.