

ROBAXE:

It is an automatic pick and place system for bottles, cans or any type of container, that needs to be packed in a plastic crate or corrugated carton. It has dual function and can be used both as a case packer and as an uncaser.

The machine has 2 servo motors that are controlled by a 2 axis controller that coordinates the two motors to move in a synchronous motion, while picking and placing the containers. Containers enter the machine on the infeed conveyor, after having been diverted from a single line into the desired number of lanes. A pneumatic system takes care of the bottle pressure release, carton spacing and grip and place. Empty pre formed cartons are fed from the carton erector on a separate carton conveyor. The entire sequencing is by a programmable logic controller, with adequate safeties to ensure trouble free operations.

Advantages of the system are, less power consumption, smoother operation, less mechanical linkages, easier maintenance, quick change over from one size to another, additional recipes can be added to the menu, no need for an operator and quick integration into any existing lines. The machine can be easily enhanced to increase capacity. The machine is fabricated from mild steel, epoxy coated and the head is assembled with extruded hard anodized aluminum heavy imported sections.

SHRINK WRAP SYSTEM:

The shrink packing system is ideal solution for high speed packaging of glass, PET or any other container with heat shrink film.

Bottles enter the machine in a single file and are marshaled into pre-determined configuration. The matrix is over wrapped with shrink film in a synchronized operation and the covered containers fed to the hot air shrink tunnel.

Some of the advantages are, simple smooth operation with a single geared motor and multiple chains. Online feed and cutting of the shrink film, two film rolls capacity for several hours of uninterrupted operation. Easy and convenient joining of the film. Single joint of the film around the containers, with sufficient overlap for strength and support. Both plain and printed films can be used. There is an extremely low power and air consumption.

All sequences through a PLC, with the appropriate safeties and indications. Machine is fabricated from mild steel and epoxy coated with vital components made from stainless steel and approved engineering polymers.

PALLETIZER:

Two models of palletizer are available for high and medium speed operation. The machine can accommodate both corrugated cartons and plastic crates.

Crates enter the machine and are pre-oriented accordingly to ensure a tight, closed interlocking configuration in each layer. Layers are formed in a pre stacking zone and are

lifted over the wooden pallet where they are placed, layer upon layer are built up and once the pallet is complete it is automatically transferred by conveyor to the stretch film wrapping machine. A new wooden pallet is placed in position and the process starts all over again.

A major advantage is the flexibility of programming, simplicity of operation and ease of maintenance. Low power consumption, low air consumption, efficient design and robust construction, with requisite PLC controls ensure trouble free and safe operation. The entire machine is fabricated from mild steel and epoxy coated. All geared motors are controlled by a frequency drives. All slides and timing belts are branded, imported and of reputed make.

The machine will provide you years of trouble free performance and enhance productivity in your plant.