

## Overview

A pick & place system custom designed to pick parts from a bowl feeder, ensure orientation, dispense silicon at required locations and unload the parts to an indexing conveyor. Cycle time of 1 part per second processing. Dynamic processing of multiple parts types and sizes.

- > HMI recipe Driven
- > Remote access
- > Vision Checker Inspection
- > 4 Servo Controlled Axis
- > High Speed Dispensing
- > Bowl Feeder Interfacing

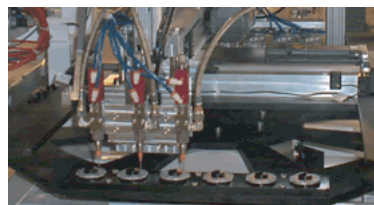
## Picking Station

Pneumatic Gripper picking station from a dead nest bowl feeder of 6 parts and transferred to the pneumatic rotary table for Indexing to each processing station. Bowl Feeder delivers 12 types of parts which the system accommodates for.



## Dispensing Station

Two Servo Controlled Axis & 3 positional vertical Axis to dispense silicon at precision weights and position. Calibrated Scale for precision weights dispensed. Three valves to dispense 30 points and index in 30 seconds. High Speed pneumatic valves and snap back for clean beads.



## Orientation Station

Pneumatic Brushing Station to ensure orientation of the parts. Vision Camera to feed images to the control system determining orientation degree, parts are upright and present. Configured brushing attempts on failure. Auto adjustment of lighting gains per part. Each part contains it's own inspection criteria.



## Unload Station

Servo Controlled Axis & individual controller grippers in the vertical. Based on part, the unload can populate any configuration of trays by movement in the conveyor and individual controlled grippers.

