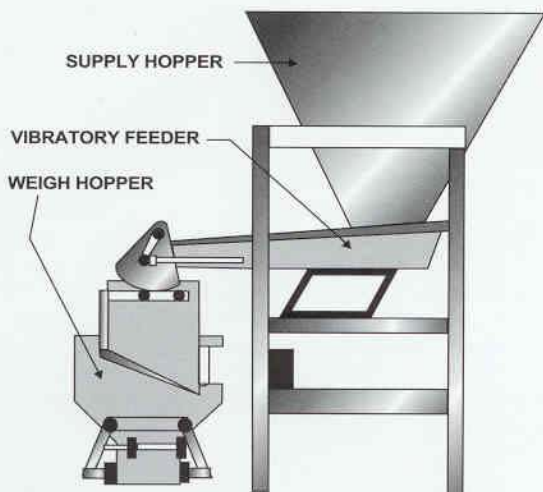


If it's weighed, GSE is there.

Variable Registers are used in most applications. In the following applications, any reference to lot #, part number, material throughput, operator ID or formula number is a programmed variable register. Up to 999 variable registers can be defined as required by the application specifications



PACKAGING SYSTEMS

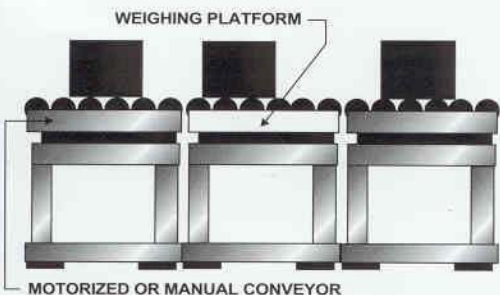
Precision control of bagging and packaging systems that require a high volume material throughput with tight tolerance specifications. The controller is programmable, so design your system for automatic, semi-automatic or manual operation. Up to 128 I/O points give you complete control for valves, solenoids and hopper gates. A database module can be installed to collect and report process data, from total packages with +/- deviation per package to total material throughput. An SCR vibratory feeder control with zero cross detection circuitry provides precision material flow control at variable speeds.

- SCR Feeder Control, total of 7 vibratory feeders can be controlled
- Vibratory feeder speed is set by software parameters
- Product settings can be recalled to expedite product changeover
- Automatic material free fall adjustment
- Flow rates can be monitored and controlled

CHECKWEIGHING SYSTEMS

Weight averaging parameters with the adjustable GSE FIR Filter and display update rate allow you to optimize the controller for your checkweighing application. Connect photo eyes, limit switches or infra-red sensors to monitor package or material movement. Program the operator interface to display package information such as: Actual Weight, Target Weight, ACCEPT, OVER or UNDER. Design a label or report using the custom transmit tables to send package related information such as: gross, net and tare weight, time/date, part number or sequence number to a printer, remote display and computer. In addition to checkweighing, the 660 series is ideally suited for product grading applications utilizing the flexible I/O, precision timers and database features.

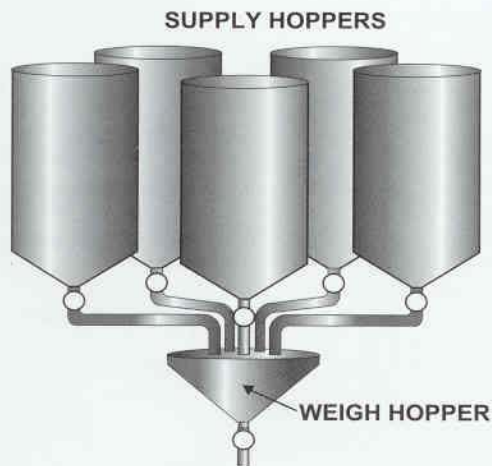
- Connect a variety of input devices to monitor and control product movement
- Collect and store critical package information
- Transmit package information to external devices, printer, computer, display
- Store multiple product configurations and grading parameters



BATCHING & FILLING SYSTEMS

All batching systems have unique requirements. To accommodate the many application variables and configurations, versatile features were added permitting you to optimize the controller to your specifications. In single weigh hopper applications, a recipe number can recall multiple ingredient target values with associated data such as preact value and mixer time. The system could then start automatically or wait for a command from a PLC or computer. Connect an encoder(s) to the PDIO port for positioning of the scale, program the indexing sequence and OI, load recipes into the database and you have created a micro-ingredient controller. The 660 can also monitor up to 8 weighing vessels simultaneously for loss-in-weight and vessel weighing batch applications.

- 128 I/O points and 8 PDIO channels for connection to encoders and flow meters.
- 'Future Net' and 'Gross Weight' filling routines include material in freefall.
- Precision timers and counters
- Flow rate parameters
- Loss-In-Weight and Gain-In-Weight



VEHICLE WEIGHING

Basic weigh-in and weigh-out routines provide a quick and easy method to monitor product or commodity movement. With the ability to power (14) 350 ohm load cells, multi-bridge axle scales or a single truck scale platform can be connected to the controller. Manifest systems and custom truck weighing applications can be programmed to enter, store and recall commodity codes, purchase orders, destination, driver information, source information and associated weight data. Four bi-directional communication ports interface to a variety of input and output devices including scanners, slot readers and RF tag transmitters, remote displays, printers and computers.

- Landfill and recycling
- Aggregate mining
- Inventory control

