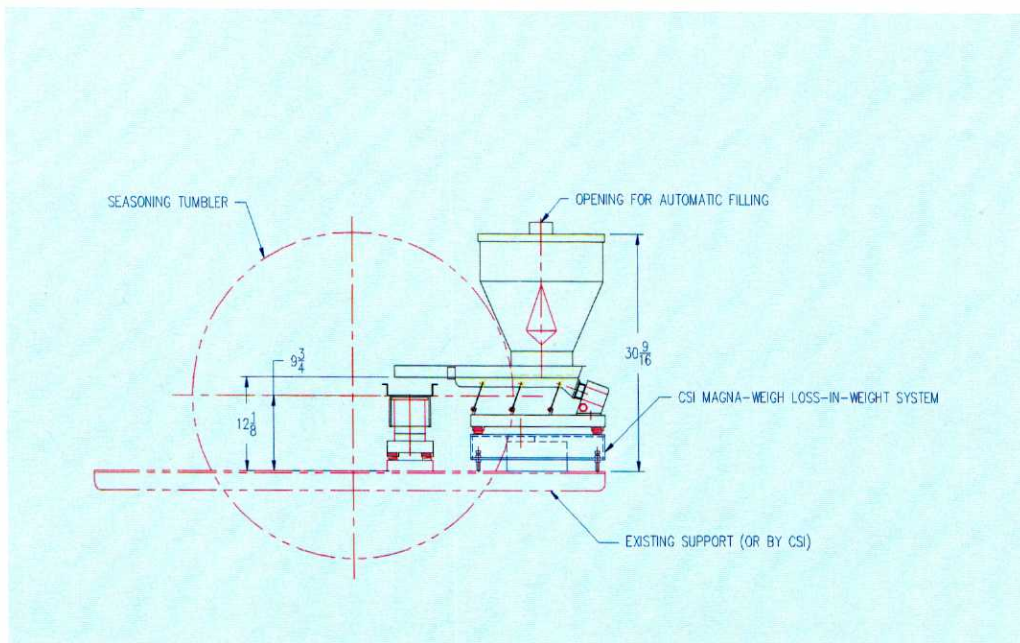


Crescent MagnaWeigh Loss-In-Weight Seasoning and Spreading System

Specifications and Features



This system consists of two components: Crescent MagnaWeigh Loss-In-Weight Feeder and Crescent Electromagnetic Vibratory Spreader Feeder. These components are described in the following:

Crescent MagnaWeigh Loss-In-Weight Feeder:

This system consists of an electromagnetic vibratory conveyor mounted on a special weighing system to produce the loss-in-weight system for feeding ingredients for the food industry. This patented system combines the sanitary features of a vibratory feeder with robust weighing electronics and a user-friendly operator interface for a simple yet sophisticated ingredient feed system.

Features:

- **Construction.** All Stainless Steel construction
- **Drive.** Sealed Electromagnetic Drive for wash down application
- **Reliability.** No moving parts. As opposed to screw and belt LIW feeders, this system is very simple and has no moving parts. The gentle vibration of the tray moves the product.
- **Non-Clogging.** Minimum clogging and plugging of difficult to feed products. Since a vibratory pan under the hopper moves the product out, there is a reduced chance of product plug ups. Vibratory motion tends to keep the product flowing.
- **Ease of Cleaning.** Product hopper may be lifted out without any tools, for cleaning. The conveyor pan may be easily wiped clean or washed. Vibratory feeders with all stainless steel construction are inherently sanitary in operation.
- **User Friendly.** All components are simple to assemble and disassemble. Touch screen menus are intuitive, easy to learn, set up, and operate.
- **High Accuracy.** The system employs high-resolution load cells and specialized tare system to use full range of the load cell for live product. Depending upon product an accuracy of $\pm 1\%$ or better may be achieved.
- **Custom Design.** The units are normally designed for each application. The units may be from very small micro feeders to very large systems feeding process lines.
- **Power Requirements.** 208/1/60. Since units are optimized at natural frequency, the power consumption is very low. A small feeder may use the equivalent of the energy used by a 100 watt light bulb.
- **Interface.** Units may be controlled by a 4-20 mA signal to run as a slave to weigh belts, weigh chutes, or Crescent Magna Weigh In-Line Feeders. Also a 4-20 mA signal may be output to represent mass flow rate to control other devices.