



## • LOSS-IN-WEIGHT FEEDERS

THAYER Loss-In-Weight feeders come in a variety of sizes and shapes, and can incorporate various volumetric devices, depending on the material, handling characteristics and flow rates to be encountered. Flow rates may be as low as 2 grams/min. to over 100,000 lb/hr. The most versatile feeders include the screw feeder and the vibratory pan feeder.

Thayer Scale offers the broadest range of Loss-In-Weight feeders of any manufacturer. Each Loss-In-Weight feeder is designed to provide precision class accuracy and repeatability in the most demanding process environments.

Thayer Scale offers a powerful set of proprietary add-on accessories that defeat the problematic flow issues encountered by industry; bridging, flushing, adhesion, and cohesion to name just a few. Comprehensive process solutions that can only come from a company with over sixty years experience.

- Extended operating range.
- Scales built to take abuse.
- Load cells can be accessed/replaced without feeder/weigh hopper removal.
- Flexible mounting options including floor mount, rotating base, stationary legs, wheel/caster, fork lift base, and/or "over process" suspension.
- Fast access for cleaning.
- No-Tools changeover.
- Self-emptying designs.
- Handles delicate and/or fragile materials without damage.

THAYER is proud of the fact that it has designed and manufactured some of the most accurate industrial weighing equipment in the world, based on its flexure plate and flexure cable *Force Measurement Suspension System* (FMSS). It has supplied defense agencies with equipment that weighs uranium ingots weighing as much as 600 kilograms to an accuracy of 1.0 gram. It has supplied Loss-In-Weight feeders for critical manufacturing of liquid and dry rocket propellents, feeding difficult components to accuracies no other manufacturer could achieve.



Model PF-LC-S with 6" Powder Feeder



SANITARY Model PF-LC-S with 6" Powder Feeder



Model LWF-LC-RF with Rotary Feeder



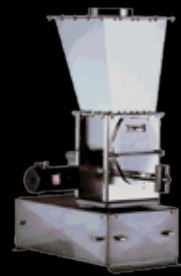
Model PF-SC-S with 4" Powder Feeder



Model PFM-SC-S with 2" Powder Feeder



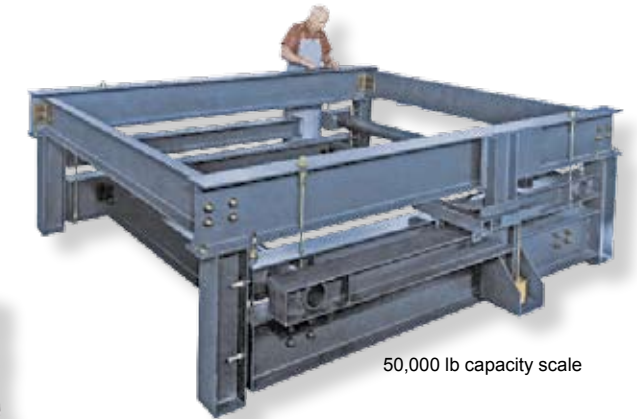
Model PF-18L-S with 3" Powder Feeder



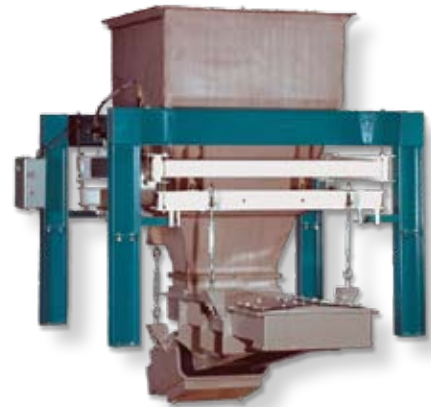
Model PFM-15L-S with 1" Powder Feeder



Model LWF-HC-V with 48" Vibratory Feeder



50,000 lb capacity scale



Model LWF-HC-V with 36" Vibratory Feeder

### THAYER SCALE Loss-In-Weight Vibratory Feeder Special Features and Benefits

Thayer Scale has spent many years developing the Loss-In-Weight Feeder and control system for use with vibratory feeders. Since virtually all of the controllers on the market were originally designed for use with a screw feeder, it should not be surprising to find that very few of them have the versatility to cope with the special requirements of the vibratory feeder type. Without (certain) special control features, the vibratory feeder can not be controlled effectively in a volumetric mode, nor can it be controlled gravimetrically over a wide operating range without making controller adjustments to suit its non-linear characteristics.

With complete absence of motors, bearings, seals and lubricating fluids, along with the uncontested pulse free delivery "smoothness" at maximum turn down, the vibratory feeder has powerful advantages over the screw feeder in a great number of applications.

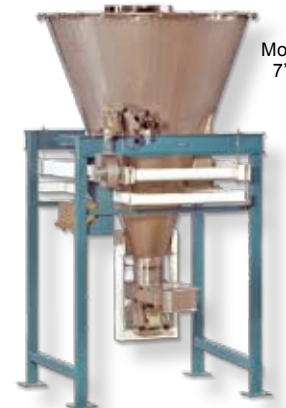
Sanitary Model LWF-SC-V with 4" Vibratory Feeder and Spiralator Hopper Agitator



Model LWF-MC-V with 4" Vibratory Feeder



Model LWF-SC-V with 5" Vibratory Feeder



Model LWF-SC-V with 7" Vibratory Feeder

Model LWF-SG-10-V with 4" Vibratory Feeder



Model LWF-15L-V with Spiralator™ Hopper Agitator

