

Web-Tech's model LIW3000T Loss-In-Weight Feeder is designed to handle a broad range of dry materials, and feeding applications. The LIW3000T is ideal for all applications that require consistent and accurate metering of powders, pellets and granules, suitable for industries such as Plastics, Food, Chemicals, Building Products, Water Treatment and many others.

The LIW3000T is a medium capacity Loss-In-Weight Feeder, available in a two pack epoxy finish, or optionally fabricated from stainless steel. The LIW3000T is available in capacities ranging from 0.05 m³ to 13 m³ per hour. The feeder is designed to be easily disassembled for cleaning purposes. The front cover, metering screws and metering tube, can be removed to allow access to the feeder hopper.

For products that are only semi-free flowing, the LIW3000T can be provide with either a vibrator, or an internal agitator. The vibrator can be supplied an optional timer controller, which pulses the Vibrator at a predetermined time interval whilst the feeder is running. The internal agitator option consists of an agitator blade and additional drive motor.

A range of various capacity extension hoppers are available upon request. Variable speed control is achieved by means of an AC variable speed controller. Typical accuracies of $\pm 0.25\%$ to $\pm 1.0\%$ are possible, depending on the type of material to be metered.

SPECIFICATIONS

MECHANICAL

Construction	:	Mild Steel – 2 pack epoxy (Stainless Steel optionally available)
Capacities	:	0.05 m³ to 13 m³ per hour (Typical)
Screw Diameter	:	75 / 100 / 125 / 150mm
Drive(s)	:	Shaft Mount Gearmotor(s)
Power	:	415 VAC, 3 phase (240 VAC, 1 phase if using Variable Speed Drive)
Agitator Type	:	Internal, to suit product
Turndown Range	:	Typically 10:1

CONTROLLER

- ◆ **Microprocessor Based**
- ◆ **Local Mass Rate and Total Displays - LCD Backlit**
- ◆ **IP66 Enclosure Standard - Stainless Steel Optionally Available**
- ◆ **All Commands and Displays in Simple English - No Codes**
- ◆ **Automatic Zero and Span Calibration Routines**
- ◆ **Diagnostic Menus for Load Cell and Belt Speed Sensor Operation**
- ◆ **Automatic Zero Tracking Facility**
- ◆ **Dual Load Cell and Speed Sensor Inputs**
- ◆ **Isolated 4-20 mA Rate Output**
- ◆ **Isolated 4-20 mA PID Output**
- ◆ **Remote Setpoint Input Facility**
- ◆ **Total Pulse Output - 24 VDC or Voltage Free Contacts**
- ◆ **RS 232 Serial Output - RS 485 Optionally Available**

