



GRAVIMETRIC
FEEDING

LIW FEEDERS AND
CONTROLLERS



LIW Feeder

Tecweigh® Gravimetric Feeders offer unsurpassed performance through a simple, yet extremely effective design.

The revolutionary GRC32 Controller combined with Tecweigh's family of gravimetric and volumetric feeders incorporates a superior feeder with an integrated scale base to provide the most accurate feeding solution in the bulk material handling industry. All of this including 24hr Customer Service, Lower installation costs, Quicker commissioning (start-up) process and lower cost of ownership than any other feeder on the market. Tecweigh's Loss-in-Weight feeders are the smartest choice for accuracy, consistently, reporting documentation and dependability.

Tecweigh has long been known as a leading designer and manufacturer of in-motion weighing and metering products for dry material handling applications in the food, chemical, plastics, mining, and aggregates industries.

The polyurethane FLEX-FEED™ hopper is stronger, more resilient and abrasion-resistant than vinyl used by many competitors. No cracks or ledges exist to collect material. The hopper interlocks with the cabinet for a tight seal. The patented auger and feed tube designs allow for quick, tool-less removal and re-assembly.

Tecweigh Feeders are flexible enough to accommodate a wide variety of dry materials, from fine powders to large pellets. Our three different sizes of feeders can move from .003 cu. ft. /hour to more than 900 cu. ft. /hour

Tecweigh weighing systems offer special options to meet your specific needs, such as:

- Extension Hoppers
- Custom Augers and Feed-Tubes
- Spreader Attachments
- Custom Controls
- Batching Units

Flex-Feed® Hopper

- Industrial Grade
- Food Grade
- Chemical Resistant

Agitation Paddles

- Heavy Duty Stainless Steel Welded Construction
- Unique Design Minimizes Hopper Wear
- Sealed Roller Bearings on Paddle Shafts

Drive Assembly

- Oversized Roller Chain Drive
- Automatic Chain Tensioner
- Stainless Steel Drive Components (optional)
- Cog Belt Drive (optional)

Controls

- NEMA 4 Control Enclosure
- SCR Drive (40:1 Turndown Ratio)
- Digital Potentiometer
- Illuminated On/Off Switch
- Remote Interlock
- 120 VAC Input Power

Fast Assembly and Disconnect

- Quick Disconnect Design Auger and Feed Tube
- Patented Cartridge Drive Bearing Assembly

Options

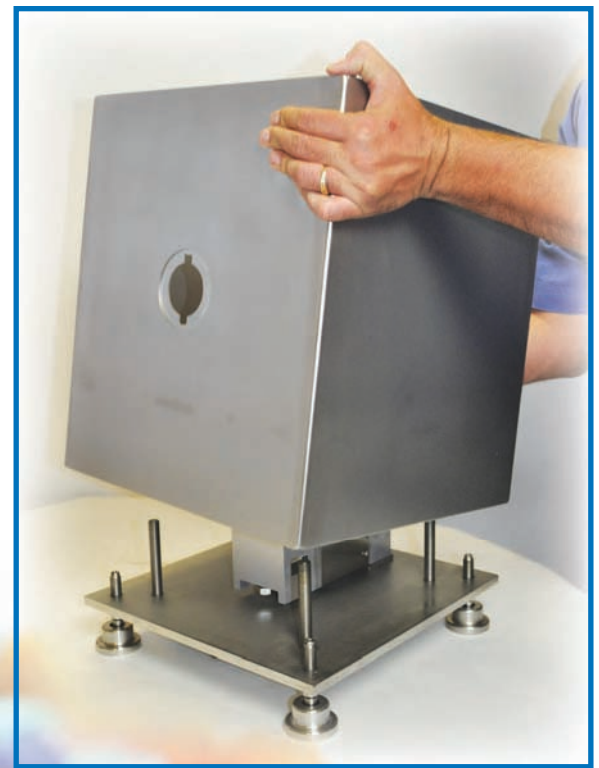
- Independent Paddle Speed Control
- Tach Feedback
- 4-20 MA Speed Indication Output Signal
- 316 Stainless Steel
- 100% Stainless Steel Construction
- Extension Hoppers and Covers
- NEMA 4X or Explosion Proof (NEMA 7/9)
- Enclosures
- Fast/Dribble SCR Drives
- Remote Set Point
- Batch Controllers
- 220 VAC Input Power
- Custom Feedtubes
- Special Finishes
- Inverter Duty Rated Motors
- Explosion Proof Motors
- Wash Down/Chemical Duty Motors





Integrated Scale Base with Removable Cabinet

Tecweigh's Gravimetric Feeder is built with an Integrated Scale Base to ensure accurate weighing and metering through the gravimetric feeder. Tecweigh's scale base includes non-proprietary, strain guage load cells for optimum serviceability and maximum flexibility.



Integrated Scale Base

- Strain Guage Load Cells
- Non-Proprietary Load Cells
- Integrated Platform

GRC32

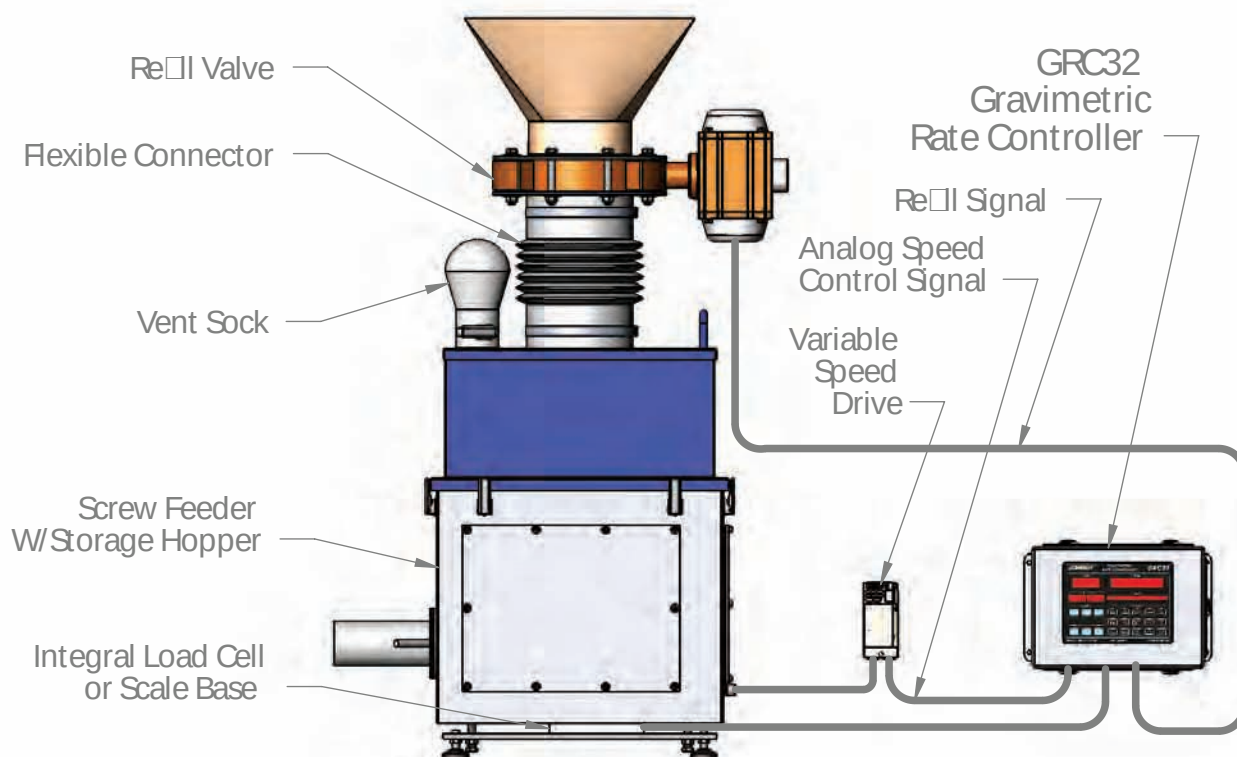
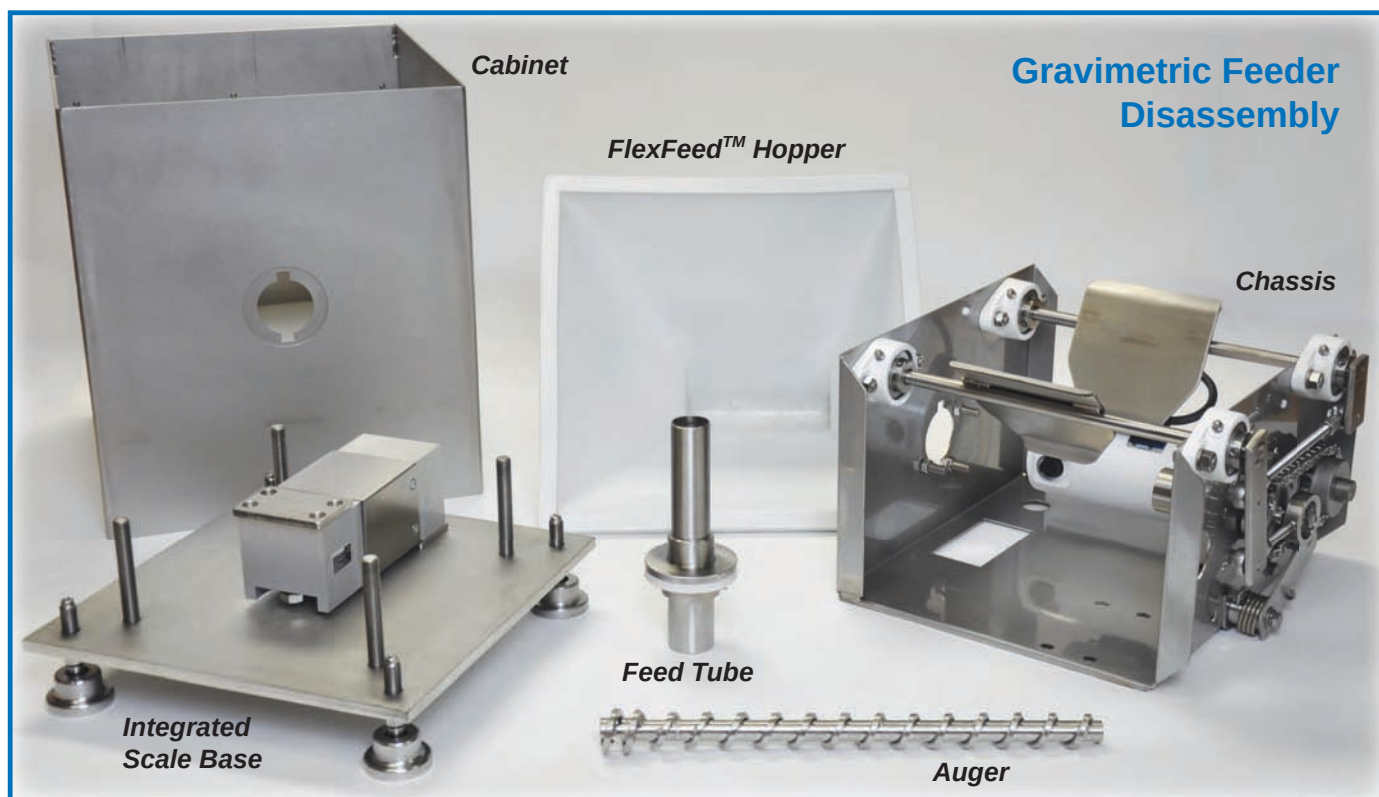
Tecweigh's GC32 Gravimetric Controller is the easiest controller for calibration, pre-start up I/O check, and has the lowest installation cost on the market.

The GRC32 comes factory configured for your application and is available with any fieldbus protocol available. Standard controllers come with an LED display for rate, total and control positions. Utilized as a stand alone loss-in-weight or batching controller or link together with other GRC32s to communicate with your existing HMI package. As with any of the Tecweigh control packages it is available in any Nema rating from Nema 1 to Nema 7/9.

GRC32™ Features

- Simulation Mode
- Removable Flash Memory
- Fieldbus Options





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**THE BEST
WARRANTY
IN THE
BUSINESS**

**1.800.536.4880
TECWEIGH.COM**

TECWEIGH®
Tecnics Industries, Inc.