Product Line
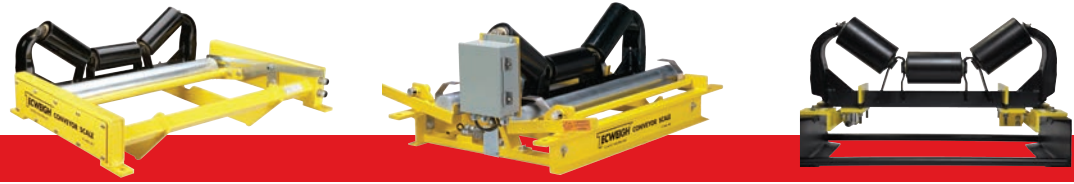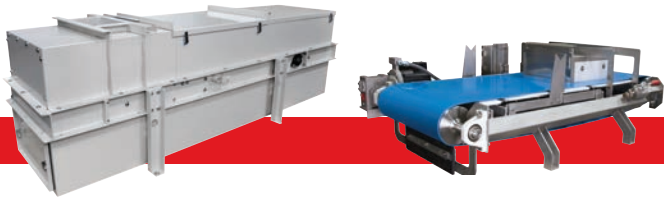
Tecweigh's reputation is built on providing the right solutions to the unique process application requirements of our customers.

TECWEIGH
Tecnetics Industries, Inc.

Easy to use, dependable and accurate scales in single to four idler configurations

CONVEYOR BELT SCALES

Accurate weighing systems for applications from rocks to food to minerals

WEIGH BELT FEEDERS

Expert management of aggregate flow from sand to 6" materials

CONTROL GATES

Engineered to handle even the most difficult to feed dry materials

VOLUMETRIC FEEDERS

Utilizing the powerful GRC32 control, these feeders provide high accuracy with proven dependability

GRAVIMETRIC FEEDERS

Customizable, adjustable, and modular units to fit your process

BULK BAG UNLOADERS

User friendly, easy to read and designed to work in all environmental conditions

PROCESSORS

Tecweigh is proud to be part of the weighing and material handling business for more than 40 years. Built from an entrepreneur's commitment to provide the highest quality equipment, Tecweigh systems are designed to outperform, outlast and outweigh. We are Superior by all Measure!
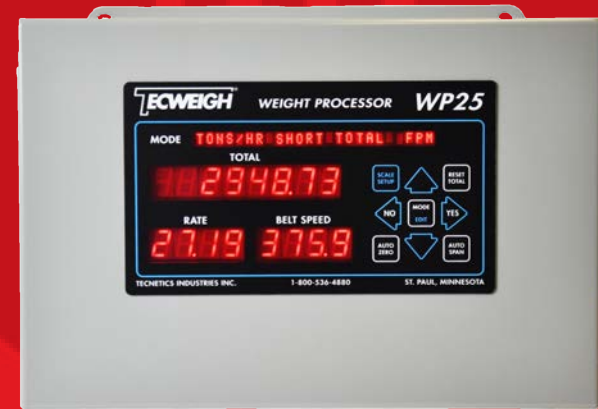
•24/7 Customer Service   • 5 year warranty

Superior by All Measure

WEIGHT PROCESSOR WP25

TECWEIGH 20 WEIGHT PROCESSOR WP20

MULTI-SCALE PROCESSOR MS20

netbiter ec350

RATE CONTROLLER FC20

TECWEIGH
Tecnetics Industries, Inc.

800-536-4880   TECWEIGH.COM

netbiter ®

WP25
Weigh Processor

Tecweigh's most economical option for your scale is also the newest processor we offer, the WP25. This processor maintains the same high visibility display and large buttons for easy operation that will be familiar to our returning customers. The WP25 also includes improved menu navigation, messaging and other additional features. The WP25 will be your new favorite scale processor.

The model WP25 processor goes away from our traditional seperate signal conditioner card at the scale. The load cell and speed sensor wiring go directly to the single PCB WP25 so it is best to keep it within 300 feet (100 m) of the scale.

Features
• Mount up to 300 feet from scale
• Embedded 32 bit Micro Processor
• Displays Rate, Belt Speed, and Total
• Long and Short Totals
• Zero and Auto Zero Tracking
• RS485 Serial Port
• 24 bit ADC (1,000,000 counts full scale)
• 12 VDC Power

Components
• Bright LED Windows - Displaying Unit of Measure, Belt Speed, Rate, Total and Diagnostic Messages
• NEMA 12 Enclosure - Hard wired up to 300 feet from the Belt Scale

Options
• NEMA 12 standard, NEMA 4 & 4X (Stainless Steel) available.
• Bezel Mount
• 9-36 VDC and 100-240 VAC Power Options
• Summing Boxes and Load Cell Cabling

WP20
Weigh Processor

Tecweigh's Model WP20 processor offers a basic electronic control to measure and totalize the flow of material across a single belt scale or weigh belt.

The processors bright, easy to read LED display, allows the operator to quickly see the current status, rate and total of the scale. The tactile keypad has oversize buttons so changes can be made with a few quick keystrokes, even while wearing work gloves.

Features
• Embedded Microprocessor
• Displays Rate and Total
• Zero and Auto Zero Tracking
• One Step Auto Span Calibration
• Programmable I/O
• Auxiliary Serial Communication
• Exclusive 5-year warranty

Components
• Bright LED Windows - displaying unit of measure, belt speed, rate, total and diagnostic messages
• NEMA 12 Enclosure – hard-wired up to 4000 feet from belt scale

Options
• PLC Communication Protocols
• Load Out Batch Control

MS20
Multi-Scale Processor

When measuring and totalizing the flow of multiple belt scales or weigh belts is required, the MS20 is the answer. The MS20 has the same function as the WP20, with the added feature of measuring and totalizing the flow of up to four independent units.

The operator display utilizes bright LED alphanumeric characters to show the operator the current rate, total and status of the scale. With a quick push of a button, the processor will display each scales operating data. The MS20 is a reliable, and economical solution for facilities with more than one weighing device.

Features – includes all features of WP20 plus the following
• Calculates Rate and Total - for up to four independent scales
• Copy Scale Parameter - simplified scale set-up time
• Multi-Scale Display (MSD) available to simultaneously provide rate and total information for all four scales

Components
• Bright LED Windows - displaying unit of measure, belt speed, rate, total and diagnostic messages
• NEMA 12 Enclosure – hard-wired up to 4000 feet from belt scale

FC20
Flow Rate Controller

When your process needs precise feed rate control, in addition to measuring and totalizing, the FC20 is the processor of choice. The PID loop constantly monitors the actual rate and automatically adjusts the belt speed accordingly.

The FC20 has the ability to accept a set point from the keypad, an auxiliary device, or from a plant process control system.

Features
• Embedded Microprocessor
• Displays set point Rate and Total
• Zero and Auto Zero Tracking
• One Step Auto Span Calibration
• Programmable I/O
• Auxiliary Serial Communication
• Exclusive 5-year warranty

Components
• Bright LED Windows - displaying actual feed rate, total, set point, control position, and diagnostic messages
• NEMA 12 Enclosure – hard-wired up to 4000 feet from belt scale

Options
• PLC Communication Protocols

NETBITER®
Data Collection

Netbiter® EasyConnect™ EC300 series communication gateways are the hardware part of the Netbiter®Remote Management solution. The gateway connects to your Tecweigh scale processors (up to 25, or more) via Modbus TCP. Through expansion modules other analog and digital sensors can also be connected.

Once connected, the gateway automatically exchanges data over Ethernet (EC310) or cellular communication (EC350). The Netbiter® eliminates the need for fixed or public IP addresses and complex VPN tunnels.

The gateway will automatically exchange data over Ethernet to the cloud-based Netbiter®Argos data center. Where ever your controls are located you will be able to access them online by logging into Netbiter®Argos at www.netbiter.net using any web browser.

Simplicity is the key with Netbiter® EasyConnect™ gateways. Establishing communication between our processor and Netbiter® can be done without the traditional firewall issues, IT expertise, VPN or programming hassles.

Features
• Designed for global use with additional for (5) different 3G bands
• Built in GPS receiver for portable equipment applications
• Six status LED's for detailed diagnostics
• Processor templates - for quick, easy set up
• Remote support to customize your dashboards
• SMS and Email Reports and Alarms
• Wi-Fi connectivity between Netbiter® and processors

Components
• EC310 & EC350 Netbiter® EasyConnect™ Gateways
• DC power supply
• Full NEMA 4X enclosures with Ethernet Switch
• External cellular antenna

Wireless Communication

Functionality
• Communicate between scale carriage and processor without the time and expense of installing communication cable
• May also be used to communicate between the processor and remote devices such as remote rate/total (scoreboard) displays and plant automation systems (PLC)
• Up to 10 mile range with standard antennas

• Can be used with all Tecweigh processors
• Uses available conveyor power or battery back-up option

Wireless Options
• Battery Back-Up Power
• Various Antennas available for Extended Ranges

Industrial Network Protocols

Features
• Provides direct connection to an array of popular communication buses
• Includes a protocol specific communication module that connects directly to Tecweigh's main processor board
• Connects quickly and easily with no additional enclosures or cables required

• Can be used with all new Tecweigh processors or retrofitted to existing equipment

Protocols Offered
• Profibus
• Profinet
• Modbus RTU
• DeviceNet
• EtherNet TCP/IP
• Others