

TSC350

In-Motion Checkweigher

It's time to move into the fast lane. Smart design, flexible configuration and easy maintenance put you firmly in control. Exceptional accuracy and sophisticated, yet easy to use controls, accelerate operation to production rates up to 350 units a minute.

Conveyor speeds up to 300 feet a minute, one-step calibration, and product changeovers in just three keystrokes, add up to lightning fast performance and superior flexibility.

Lightning fast configuration

Multi-strand, high performance Nylatron® or stainless steel chain transport rigid product across the weigh table and out-feed conveyor sections making installation and adjustment a breeze. Painted mild steel or all stainless steel construction, all with wear-resistant Delrin® guides, allows the TSC350 to meet virtually any environmental requirement. An SCR-controlled single DC motor powers the conveyor. Custom heights and lengths fit the TSC350 into any application.

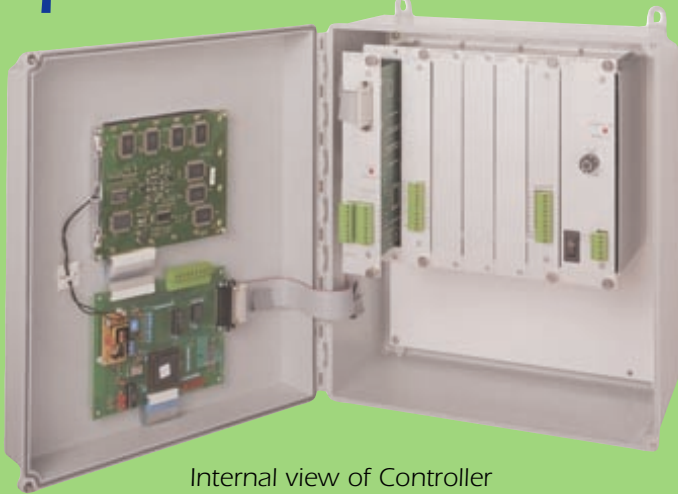
Lightning fast calibration

The TSC350 requires a single static calibration. Unlike other systems on the market, the TSC350 utilizes a single calibration to provide accurate and repeatable weights over the range of the scale's capacity. No need for multipass dynamic calibrations every time product sizes or weights are changed. Simply enter the new product parameters and go!

*Delrin is a registered trademark of the E. I. du Pont de Nemours and Company



Specifications



Internal view of Controller

Standard construction

UL, ULc and CE approved electrical controls
IP 66 (NEMA 4X) standard
Epoxy powder coat or all stainless steel construction
Multi-strand Nylatron® or Stainless Steel Chain conveyor
Accommodates up to two additional chains and guides
for larger or unstable product
Food-grade horizontally/vertically adjustable Delrin® chain
guides
Replaceable Delrin® guide rail end caps for economical
maintenance
Industry standard 56 C-face 90 VDC drive motor
Conveyor lengths from 24" to 48" overall length
Weigh Table lengths from 3" to 15"
Variety of load cell capacities
Commonly available drive sprockets, belts and bearings
Single 110 VAC 60 Hz power source
Adjustable leveling feet
Adjustable chain guides

Performance features

English and Spanish menus in full sentences for better
comprehension. French available soon.
Conveyor speeds up to 300' (91.44m) per minute*
Production rates up to 350 units per minute*
Product weights from 1g to 10 kg
Embedded true-multitasking operating system
High Load Cell Sample rate and AVD conversion rate
5 pole low-pass filter
Hardware and program adjustable filtering
Selectable resolution
Selectable display divisions
Accuracy as great as $\pm 0.1\%$ @ 2 Sigma*
Repeatability as great as $\pm 0.05\%$ @ 2 Sigma*
Calibration Audit Trail for compliance requirements
Single-point fast-response load cell

Scale controller features

75-product memory storage
Adjustable five weight zones per product
Displays:

- Last unit weight
- Gross/Net
- Weight Conversion (lb, kg, oz, g)
- Product Name
- Target Weight
- Product Number
- Total Accumulated Weight
- Total Accumulated Units
- Units Per Minute
- Mean Unit Weight
- 5 Zone Boxes with Zone Count

Direct interface for Eriez metal detectors
Three Reject Outputs: High, Low, Metal
Reject Outputs can be configured in any combination
Adjustable Reject Delay and Duration
Retentive Reject Timers for up to 10 units
Trend Alarm with adjustable reject populations
Modular function-specific card rack
Complete self-diagnostics with errors described on-screen
20 mA current loop serial port transmits weight data in
either of 2 modes.

Powerful statistical options

True SPC Closed-loop feedback programs; Servo, Serial or
Counter
Established interfaces to a variety of filling systems
Software-activated statistical analysis production reporting
Quad-port serial card with RS-485, RS-422, RS-232, 20 mA
active or passive
STPR statistical production control package, prints unit
weights and reports on standard 8½" x 11" paper
Trend alarm with adjustable High/Low reject parameters
and sample populations

Flexible hardware options

Reject options; air blow-off, side-pusher, diverter, or drop
gate, three or five-zone classifiers
Reject bins and accumulation conveyors
Full system electrical controls, turn-key, PLC, and
conveyor layout capabilities
Hazardous Area Protection up to Class I Division 1,
Groups B, C, & D (Zone 1)

Move into the fast lane!

Sonic 350 Checkweigher (small belt conveyor)
4693i Intermediate Checkweigher
4693 Heavy-Duty Checkweigher
Universal Filler Controls for powders, granulars & liquids
Data logging and reporting software



More than two decades of great ideas
Phone: (713) 932-9071 ▪ FAX: (713) 932-9379
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*Product dependent. Contact factory for specific product accuracy.
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