

# 551 1si Intermediate Checkweighers

Weights from 500 grams to 22 kg, rates to 60 per minute



Single Belt Intermediate



Center-Drive, Wash-Down Rated For Harsh Environments



Multiple Belts, Variety Of Reject Options

- Durable, low-profile conveyor designs using 24VDC powered brushless motorized drive rollers.
- Powder coated mild steel construction (IP54), optional SS construction to IP66
- Variety of conveyor configurations to meet your application needs
- Simple conveyor & controls design; easy to work on, low maintenance & operating expense
- Standard load cells, parts readily available from multiple sources
- Color touchscreen interface delivers vibrant and easy to read status on every package
- NO dynamic calibration required!
- Made in the USA



**Idaho Weighing Systems**

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Phone: (208) 970-7748

*Customer Satisfaction is our Highest Priority*

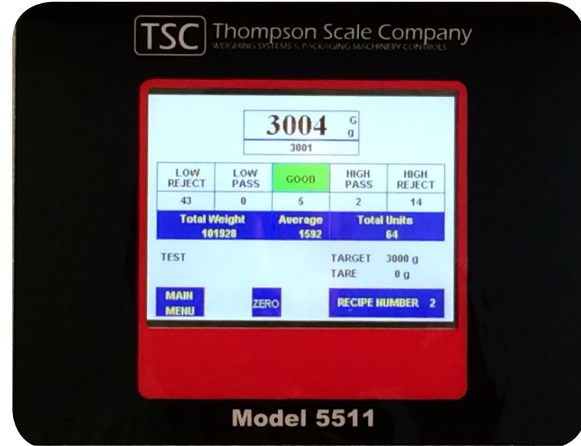


**Thompson Scale Company**

WEIGHING SYSTEMS & PACKAGING MACHINERY CONTROLS

## Hardware

- All welded tubular steel frames and supports
- 1.9" or 2.4" dia. motorized drive rollers
- Matching idler & return rollers
- 24VDC powered rollers, variable speed controls
- Conveyor lengths from 26" to 36"
- Conveyor belt widths 12", 18" and 24"
- 2-Ply spliced conveyor belts – easy to clean and change
- Variety of load cell and scale arrangements to fit the application
- Load cells available from multiple sources
- Checkweigher controls frame-mounted or free-standing
- Variety of rejecters; pusher, paddle, diverter, drop, sort, etc.
- Can integrate with your preferred metal detector or reject/sort device



## Performance

- Accuracies to +/-9g
- Weight capacities to 22 kg
- Production rates to 60 per minute
- Conveyor speeds up to 300 fpm
- 100 recipe memory, quick call – NO dynamic calibration required!
- Set to 0, 3 or 5 zone weight display
- On-screen diagnostics and real-time I/O display for easy troubleshooting

## Scale Controls Features

- Built for wash-down environments
- 5.7" Color touch screen, icon driven menus
- Easily replaced protective graphic overlay
- Screen protectors for abrasive environments
- 89-230VAC Single Phase 50/60 Hz Source Power Connection
- Fused 24VDC output to I/O cards
- Dedicated 24VDC outputs for zone lights, reject signals, alarms, etc.
- Dedicated 24VDC inputs for photo sensors, interfaces, etc.
- Sample Rates to 500/second
- 5-pole digital filter
- 0, 3 or 5 weighment zones for different display/stack light configurations
- Built-in Ethernet TCP/IP port
- 2 RS-232/RS-422 bi-directional serial ports
- Timer functions for reject delay & duration, option for metal detector reject input
- Trend alarms, adjustable averaging, feedback loops, many other options
- Options for EIP, Profibus, DeviceNet and other protocol interfaces

Your Integrator:



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