

# Avery Weigh-Tronix

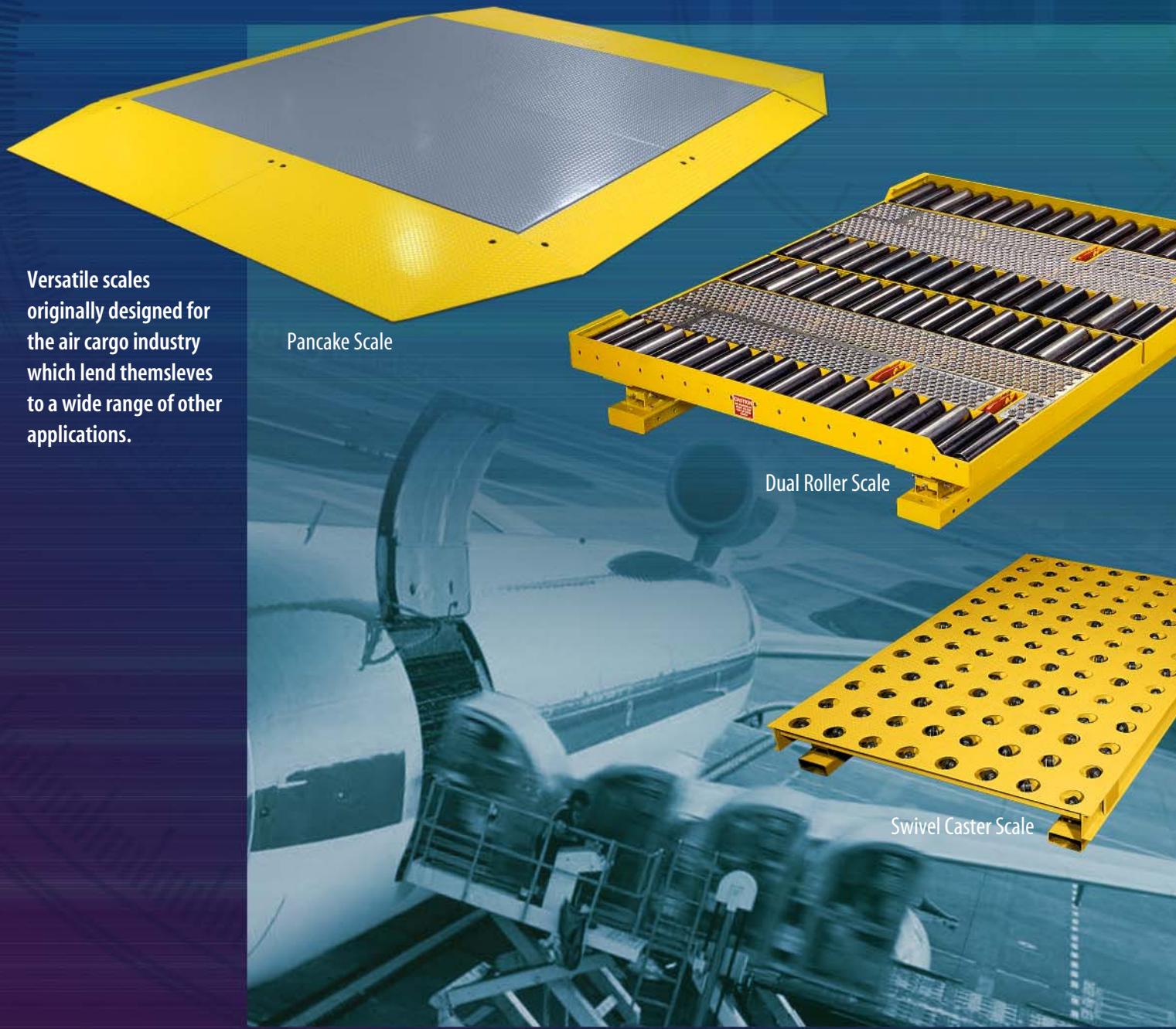
## Cargo Scales

Versatile scales originally designed for the air cargo industry which lend themselves to a wide range of other applications.

Pancake Scale

Dual Roller Scale

Swivel Caster Scale



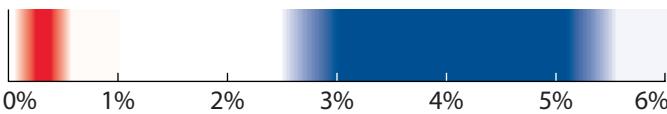
## Cargo scales with proven reliability and outstanding accuracy

Constructed to withstand the rigors of constant use. Designed for accuracy with patented Weigh Bar® sensor technology.

### Weigh Bar – Proven Sensor Reliability

At the heart of any Weigh-Tronix Cargo Scale is the patented Weigh Bar, the weight sensor synonymous with accuracy and durability in the scale industry.

#### Annual Load Cell Failure Rate *Percentage of total installed population*



In a 30-month study of weight sensor failures, the Weigh Bar was proven to be **15 to 25 times more reliable than competitive load cells**: The industry-wide sensor failure rate

was 3% to 5% per year, while the Weigh Bar failure rate was less than 0.5% per year.

#### What Accounts for this Competition Shattering Performance?

**Patented design and quality construction:** A bonded urethane foam sheath protects against dust and moisture. A sleeve and potting material seal and protect the steel bar, strain gauges and linking wire harness. The Weigh Bar itself is constructed of aircraft-quality steel for maximum strength.

#### Outstanding Accuracy

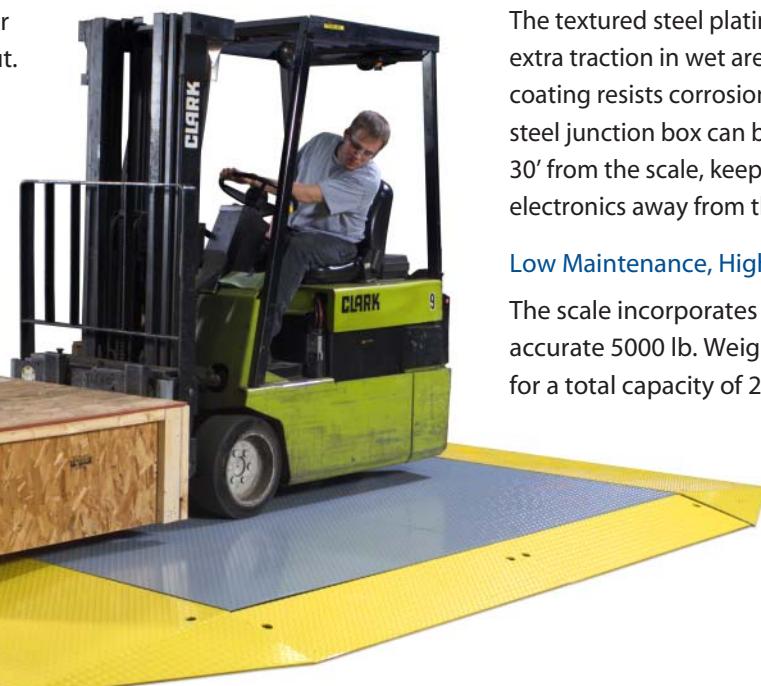
The quality construction that makes the Weigh Bar so reliable also helps make it highly accurate. The Weigh Bar's patented design cancels out side, end and torsion loads, measuring only the downward load on the scale.

### Pancake Scale Model DSL120120-20P

A 20,000 lb. multi-purpose scale designed for quick and accurate weighing indoors and out. The pancake scale's main advantage is portability and quick set-up; there is no need for a custom scale pit. Gently sloping ramps allow easy access to the 4" high scale by lift truck or hand cart.

#### Outdoor Operation —

The scale is designed for either indoor or outdoor use:



The textured steel plating provides extra traction in wet areas. An epoxy coating resists corrosion. The stainless steel junction box can be positioned 30' from the scale, keeping sensitive electronics away from the elements.

#### Low Maintenance, High Reliability —

The scale incorporates 4 highly accurate 5000 lb. Weigh Bar sensors for a total capacity of 20,000 lbs..



## Dual Roller Scale

The Dual Roller Scale fits standard single or double-wide aircraft cargo containers. Each roller platform has a capacity of 10,000 lbs., for a scale total of 20,000 lbs.. Eight 2500 lb. Weigh Bars (4 per platform) perform weighing duties with proven reliability. With the proper indicator, individual platform weights or the sum of both platforms can be read.

### Heavy-duty Rollers —

Each 4" diameter roller has a capacity rating of 650 lbs.. Containers are easily rolled on and off the scale from runout belts or other conveyors.

### Safe, Accurate Load Positioning —

Side rails and swing-up steel stops fit standard containers perfectly, assisting load placement. A 27" wide nonskid walkway surface between the rollers helps prevent falls.

### Overload Protection —

Weigh Bars are equipped with heavy-duty stops to protect against overloading or dropped containers.



## Swivel Caster Scale

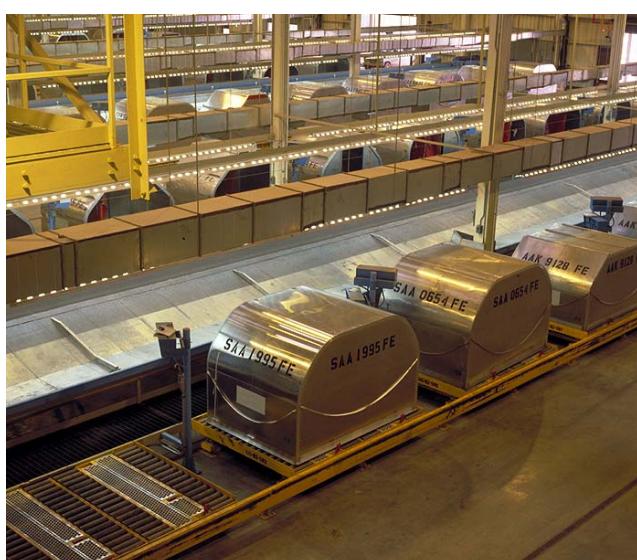
A heavy-duty scale specifically designed to make the weighing of large cargo containers fast and accurate. Allows loading and unloading in any direction, with steel tip-up stops in key locations. Initially designed for the airline industry, the swivel caster scale lends itself to a wide variety of commercial and manufacturing applications.

### Rugged Construction —

Construction of welded steel channels with a heavy duty treadplate deck. The entire scale mounts on a steel understructure. The scale capacity is 20,000 lbs.

### Heavy-Duty 360° Swiveling Casters —

The scale's 104 casters were specifically designed for the airline industry. Each features a heavy cast steel yoke with a reinforced thermoset plastic wheel. Both the wheels and yoke are supported on ball bearings for smooth operation. Each wheel has a grease fitting and dust shield. Casters are fastened to the scale with four bolts for easy replacement.



## Custom Installation

Weigh-Tronix engineers can design a customized installation and make modifications to our Cargo Scales to meet your exact needs.

Weigh-Tronix has designed scale installations for major shipping carriers at airports throughout the world. No installation is too large or complex.

A wide range of products are available from Weigh-Tronix to create an integrated and comprehensive weighing solution: indicators, software, truck scales and more.

## Lift Truck Scale for ITA Class III/IV Carriages

### Robust Scale Design —

The durability of Weigh-Tronix's lift truck scale is immediately apparent. The scale's patented design features a heavy-duty carriage comprised of two solid metal plates coupled together by application designed Weigh Bar® weight sensors. The inherent strength of the carriage plates allows the assembly to incorporate two huge viewing ports which provide the operator a clear line of sight to the forks.

The Weigh Bars electronically measure the load on the forks and convey this information to a summing and angle detection box. The box is constructed of stainless steel and placed between two metal plates for added protection.

The Weigh Bar cables are enclosed within metal guards for environmental protection. Even travel stops have been designed-in to prevent forks from sliding off either end. The entire carriage assembly is primed and finished with a durable epoxy paint.

### Certified Accuracy —

The system's IDC (Independent Discrimination Compensation) feature ensures the system will maintain legal-for-trade accuracy under typical application variables: changing fork positions, unlevel wheels, or tilted mast. This is documented on the U.S. Department of Commerce, National Institute of Standards and Technology, certificate number 95-126A2.

### Instrumentation —

Lift Truck Scales use a choice of two indicators, the basic WI-125 or the SimulCast™ with advanced data management.

The WI-125 is a simple no nonsense instrument. Its LCD display provides excellent visibility in direct sunlight and has an automated backlight for low-light environments. The impact resistant enclosure features rounded corners for safety.

Capacities available from 5,000 lbs to 16,000 lbs.

Models for ITA cleat type carriage heights of 16", 20" and 24".



SimulCast has an electroluminescent multi-line display. It simultaneously displays current weight and related data. Its database can store up to 750 records. Peripheral input devices such as scanners and bar code wands are compatible. Downloading the data can be accomplished by infrared or RF to printers, PCs, or mainframes.



WI-125



SimulCast

## AUTHORIZED DISTRIBUTORS

### Ask the experts.

Weigh-Tronix distributors are complete support centers, providing needs assessment, technical information, product sales and service. Their experience is a valuable resource that is readily available to you. We recommend you consult these knowledgeable industrial applications specialists for all of your weight measurement needs.

Please call us or visit  
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