

FAIRBANKS[®]

S C A L E S



IM 6000 SERIES

IN-MOTION PACKAGE SCALE

Used by America's top parcel shipping companies, the IM 6000 is ideal for applications that require high-speed sizing / bar coding, acceptable tolerance checks, and random weight capture.

Fairbanks.com

IM 6000 Series In-Motion Package Scale

EIGHT STANDARD CONVEYOR ASSEMBLY SIZES OR OPT FOR CUSTOM ENGINEERING SERVICES

IM 6000 ACCOMMODATES IN-MOTION SPEC AND DATA REQUIREMENTS

The IM 6000 In-motion System is an NTEP approved, high-speed, accurate and configurable weighing solution that's ready to take on your high speed package applications in areas like parcel shipping, random weigh capture, and retail boxing processes.

The IM 6000 is designed to make package weight information easy to collect and process. The system is available in various lengths, widths and speeds for application flexibility and ensured compatibility with existing conveyor lines.



Reliable Performance, from the start

The IM 6000 System prototype ran around the clock for 15 months at a high-volume (16,000-24,000 boxes per day), package shipping facility before mechanical servicing was required. Because the conveyor assembly is so easy to maintain and repair, the shipping company's own technician replaced the belt and had the system back on line in under 30 minutes.

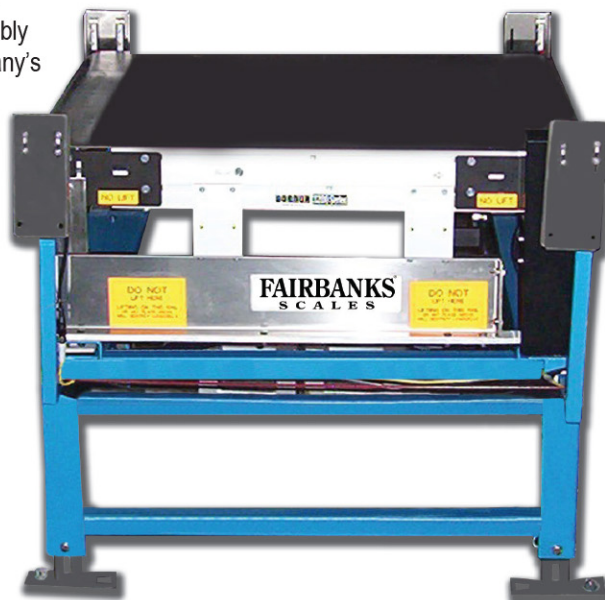
Data Acquisition Options

The IM 6000 Instrument not only displays the weight information collected by the system's conveyor scale, it can output to data terminals, printers or PLCs via serial or Ethernet connections for seamless data acquisition.



More than 100 weight readings are taken, then averaged, as a box speeds over the scale.

IM 6000 SERIES CONVEYOR ASSEMBLY



Exceptional Features

- Sealed bearings for low maintenance.
- 5 minute belt change minimizes downtime.
- Rack and pinion belt tensioning for fast, accurate adjustment/replacement.
- V-groove belt and bed plate provide positive belt tracking.
- Design prevents excessive belt stretching.
- Strong, box-like construction resists damaging frame twist.



**NTEP approved for
commercial applications.**

WEIGHING SOLUTIONS FOR THE WORLD

LEGAL FOR TRADE EXTREMELY ACCURATE

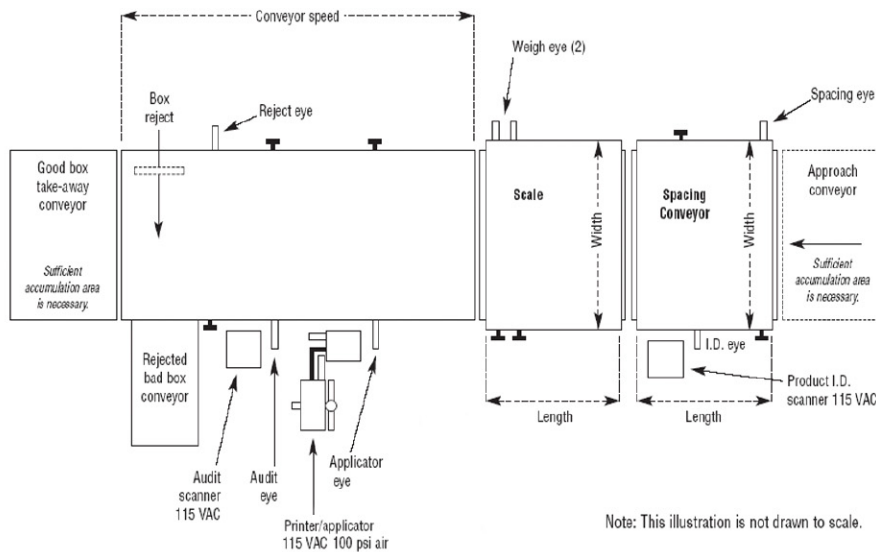
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COST-SAVING ADVANTAGES

- **High-speed Bar Coding** reduces overhead and increases efficiency.
- **Aids in truck loading and cubing**, decreasing transportation costs.
- **Use as an advanced checkweigher** to control product give-away.



TYPICAL IM 6000 IN-MOTION SYSTEM CONFIGURATION



HOW THE SYSTEM WORKS!

- Conveyed boxes, with appropriate spacing between them, enter the scale conveyor at the designated belt speed.
- The weighing process is triggered by the leading edge of the box.
- The instrument begins sampling the weight as the box moves across the scale, reading more than 100 weights per second depending upon the configuration.
- The front edge of the box exiting the scale stops the sampling process, and the instrument evaluates all of the weight readings to produce the most accurate scale output.
- The information is then available on screen or for communication over a designated network, such as RS232, Ethernet/IP, or other defined methods.

A sample IM 6000 In-Motion system diagram is shown above. The diagram illustrates how a package weigh-in-motion system is configured and how packages flow through the system after they enter from the approach conveyor.

Ideal IM 6000 Conveyor Instrument

The FB2255 is Fairbanks' most popular instrument for high-speed, in-motion weighing. It features flexible communications with simple data pass to third party systems.



FB2255 Specifications

Display	1.0" tall, 6-digit, green backlit LCD
Enclosure	Stainless steel, NEMA 4X or IP69K rated
Pushbutton Keys	0-9, Decimal, Enter, ID/Left arrow, Right arrow Menu, Zero, Print, Units, Tare, On/Off, B/G Net
Units	lb, kg
Approvals	NTEP CC# 09-023, MC #AM-5720, ETL

Contact your local Fairbanks sales representative — 1-800-451-4107

IM 6000 SERIES

HIGH-SPEED IN-MOTION PACKAGE WEIGHING SOLUTION

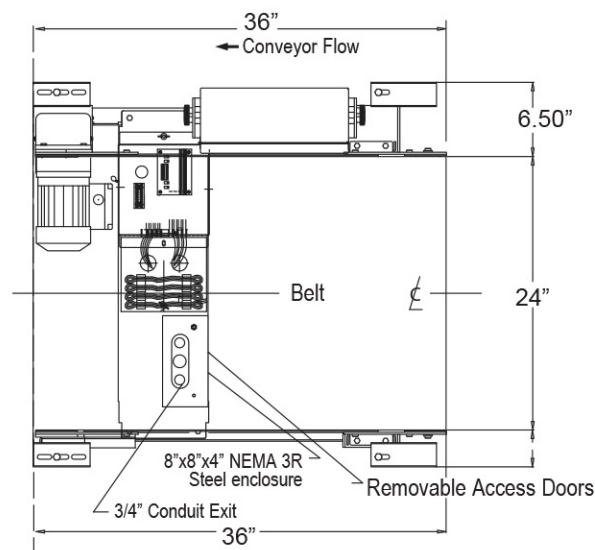
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SPECIFICATIONS - CONVEYOR ASSEMBLY

Induction belt	60 fpm to 440 fpm
Parcels per minute	Dependent on scale length/belt speed
Max package length	Dependent on scale length
Maximum table length	72"
Standard belt lengths	36", 48", 60", 72"
Standard belt widths	24", 30"
Min package weight	2 lbs x 0.1 lb
Max package weight	100 lbs x 0.1 lb
Capacity	100 lbs x 0.1 lb
Overload protection	100%
Operating temperature	0° F to 120° F
Data output	Programmable for custom output strings
Packages	Should be singulated prior to weighing
230/480V	3 phase available at site for conveyor
110V	Available at site for instrument
Optical triggers	Banner Engineering
Options	Rub rails, protective support shroud
Approval	NTEP CC# 05-089

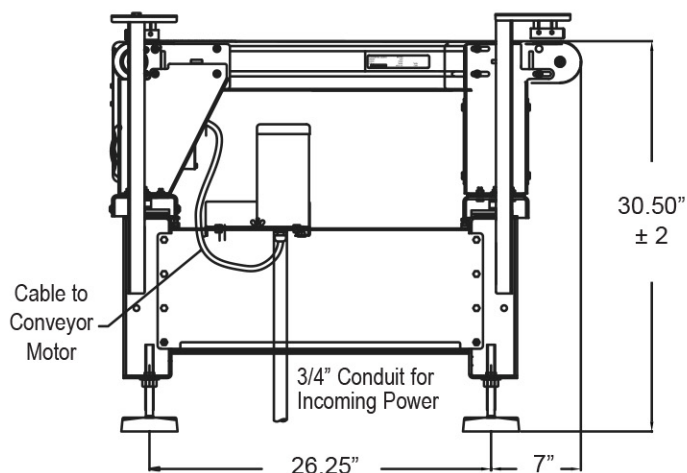
TOP VIEW



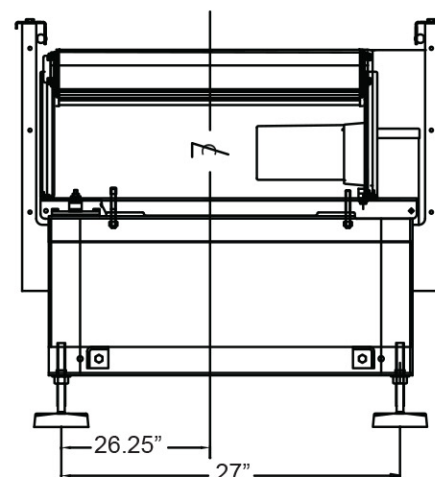
DIMENSIONS

Note: Dimensions shown are for the IM 6000 with standard length and width of 36" x 24". Drawings are available for other standard IM 6000 sizes.

FRONT VIEW



SIDE VIEW



Your Fairbanks Scales Authorized Representative is:

Call toll-free for the representative nearest you:

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Call between 8:00 a.m. – 5:00 p.m. Central Time

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