ATRAX

Weighing and Dimensioning Specialists

Air Cargo and Express Parcel

800+ Airports 140+ Countries 30+ Years

Introduction

WORLD LEADERS IN WEIGHING AND DIMENSIONING FOR THE AIRPORT AND LOGISTICS INDUSTRIES

ATRAX Group is the world leader in the design, manufacture, integration and support of a full range of industrial weighing, measurement and related control systems for the Airport and Logistics industries.

Established over 30 years ago, we have become truly worldwide specialists in the areas of airport baggage, cargo and express parcel.

Today, our products and systems are installed and utilised in over **800 airport sites across more than 140 countries.**

Our unrivalled quality and capabilities mean that we can be trusted to provide you with fast and accurate measuring equipment that meet technical specifications, Government regulations and industry standards around the world. Our products ensure your compliance, revenue protection and operational safety.

Scale Systems, Modules and Components for end users and system integrators in the Air Cargo and Express Parcel industries.

The complete range of Atrax scale equipment is designed to work together and seamlessly integrate with third-party control and data acquisition systems. This wide range of components allows a system to be configured to perfectly match your integrated weighing needs.

Over the last 30 years, Atrax has supplied every major cargo handling equipment supplier and integrator with scale equipment to incorporate into their machinery and handling systems.

The world's largest air cargo airport uses Atrax scales exclusively! Since opening day in 1998, Hong Kong's impressive airport Chek Lap Kok, has relied on Atrax for accurate weighing, high reliability and after sales support in every one of their cargo terminals and on-airport postal and express parcel facilities.

For proven weighing solutions, both full systems and components, ask Atrax...

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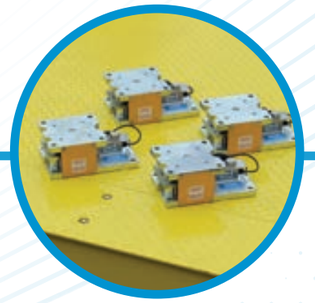
Four of the top 5 busiest cargo airports in the world use ATRAX
IATA

The world's busiest cargo airport uses ATRAX scales - exclusively!



Scale system

A scale system is made up from four different groups of components and the system designer must select the appropriate components from each group to best suit the application.

These groups are:

Load cells/weight sensors
These are transducers that convert a weight force into an electrical signal. If more than one load cell is used in a scale then a trimmer/ summing box must be used to combine the weight signals.

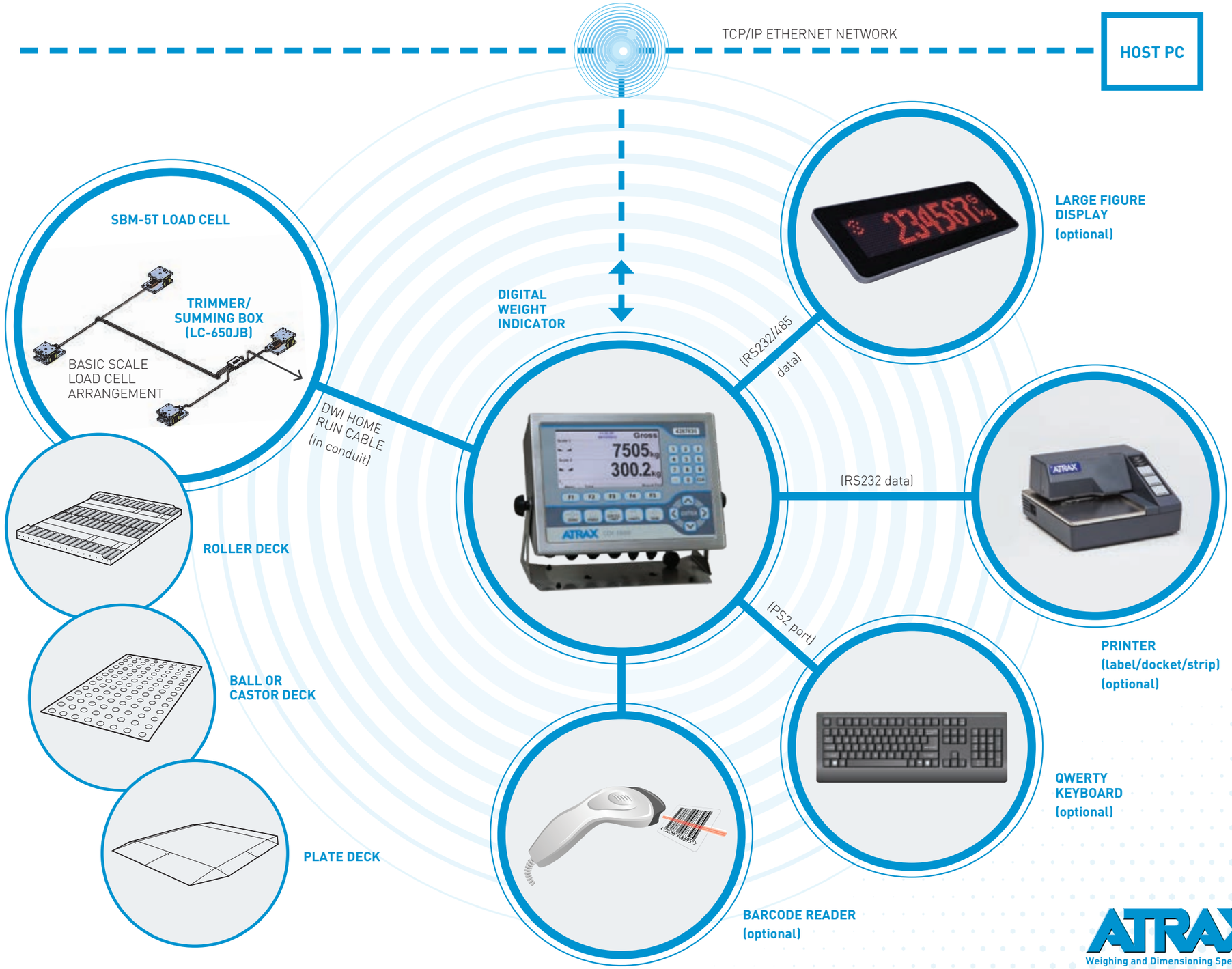
Load receptor/platform frame
This is a mechanical frame mounted on top of the load cell(s) and is used to support the load being measured. It may be a simple frame or a part of a motorised machine.

The digital weight indicator/scale display converts the electrical signal from the load cell(s) to a calibrated weight value display. This may be a simple weight only display or a more sophisticated device with data and control functions.

Peripheral devices can also form an essential part of the application. They include printers, remote displays, bar code readers, electrical control devices and more.

ATRAX scale components are widely compatible and can be individually selected to create the optimum scale solution or may be used with other scale equipment to upgrade older or existing scale systems.

Consult Atrax or our sales agents for help with designing the best scale solution for your needs.



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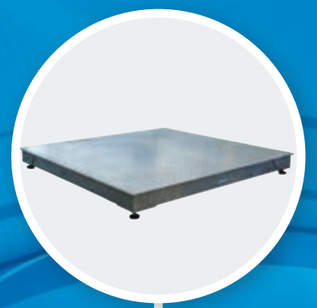
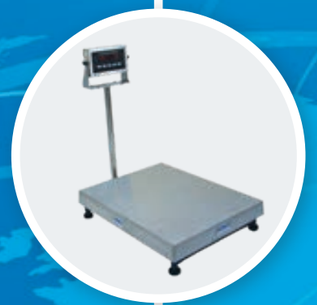
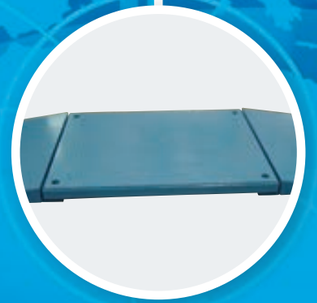
Small static platforms







Small static platforms are used for stationary weighing of smaller items and parcels when connected with any Atrax digital weight indicator. These can be supplied with stainless steel pans or fitted with non-powered gravity rollers or powered conveyors to suit your application.

All platforms use our OIML and NTEP approved high precision load cells to guarantee accuracy, repeatability and reliability. Height adjustable feet allow easy integration into existing or new process lines.

Custom sizes and capacities are available from 300 x 300mm to 800 x 800mm and 30kg to 600kg, the more common standard sizes are listed below.

PLATFORM SIZE	CAPACITY OPTIONS
400 x 500mm	30kg, 60kg
460 x 600mm	60kg, 150kg
600 x 600mm	150kg, 300kg
600 x 800mm	150kg, 300kg

Low profile floor scale platforms

Low profile floor scale platforms are suited to stationary weighing of loose cargo and pallets, and are compatible with all Atrax digital weight indicators.

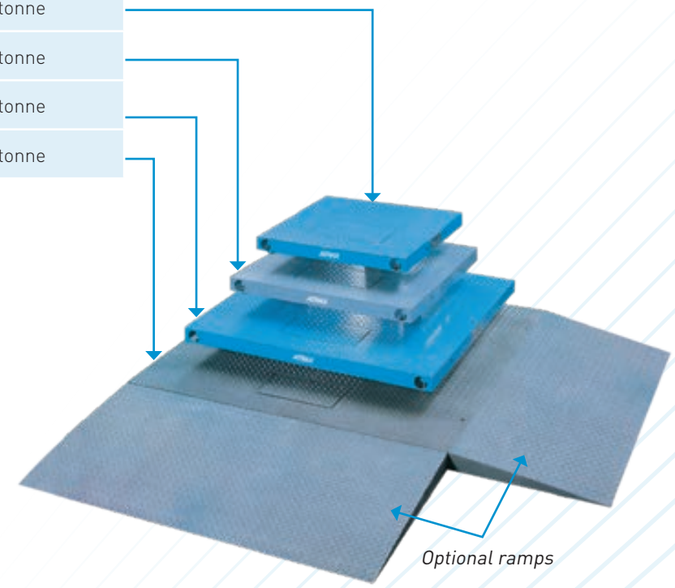
The low profile design with height adjustable feet allows for use above ground, or in a shallow pit. Low gradient ramps can be fitted on any or all four sides and can accept loading by tugs or dollies.

The heavy duty welded steel platforms can be finished with durable epoxy paint or hot dip galvanised.
The platform surface uses a safety non-skid tread plate as standard, with an optional smooth plate available.

Four Atrax OIML and NTEP approved high precision shear beam load cells fitted to adjustable self-aligning feet guarantee accurate, repeatable and reliable weighing .

Custom sizes and capacities are available, the more common standard sizes are listed below.

PLATFORM SIZE	CAPACITY
1000 x 1000mm	Up to 3 tonne
1200 x 1200mm	Up to 5 tonne
1500 x 1500mm	Up to 5 tonne
1800 x 1800mm	Up to 5 tonne



Optional ramps

Low profile pancake scale for drive over applications, no pit required (custom size available)

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Heavy duty scale platforms

A heavy duty platform scale designed for rigorous use and the heavy weights of airport cargo applications where accuracy and reliable weighing are essential.

These are suitable for drive-over use with forklifts, airport tugs and dollies or similar mobile equipment.

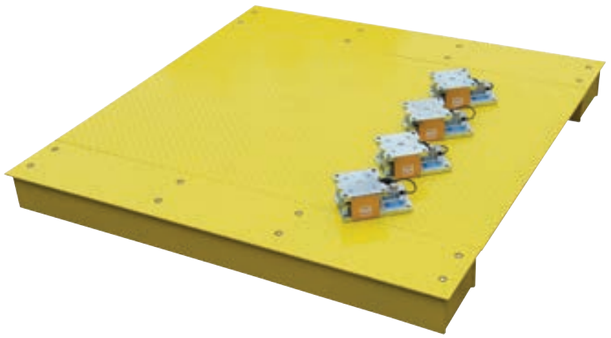
Typically mounted in shallow pits to be flush with floor but equally suited to above ground installations.

The platform structure is a modular design optimised to facilitate easy shipping and local delivery to site.

Heavy duty fabricated beams run the full width of the scale and house the self-aligning load cell assemblies. These beams simply and easily bolt to the deck modules during installation on site.

The deck modules are computer designed for **maximum torsional rigidity and effective load distribution to guarantee scale accuracy and extend lifetime** operation in demanding air cargo facilities. Fully welded trapezoidal shaped beams run the full length of the deck modules, these are fully enclosed longitudinally between the beams for increased strength.

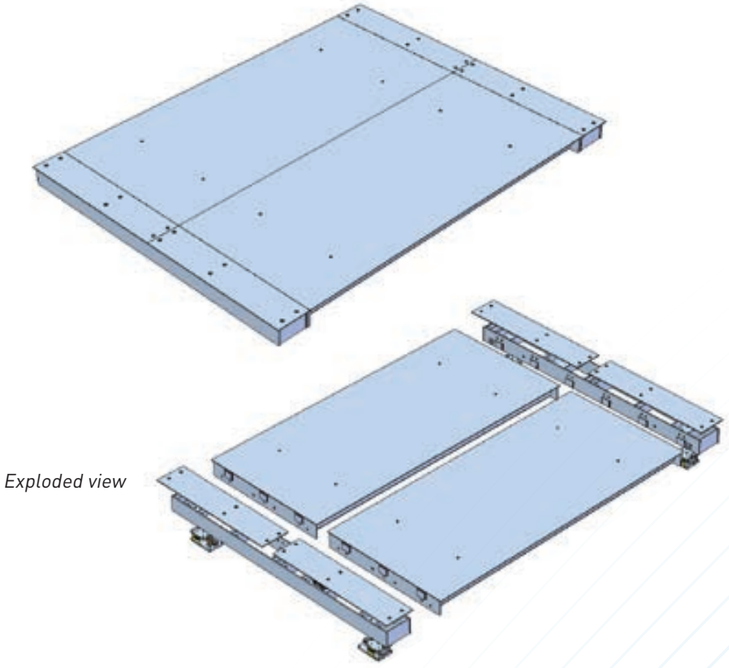
The platform scale uses the Atrax model SBM-5T shear beam load cell and self-aligning mount assembly as standard, but **can also be fitted with Atrax double ended shear beam mount assembly model DSBM-25K for even higher weighing capacities.**



Available with safety non-skid tread plate (chequer plate) or smooth plate top surface. The welded steel frame is completely sand blasted, and painted with a corrosion resistant primer, finished with a durable two pot epoxy paint top coat. A hot dip galvanised finish is also available.

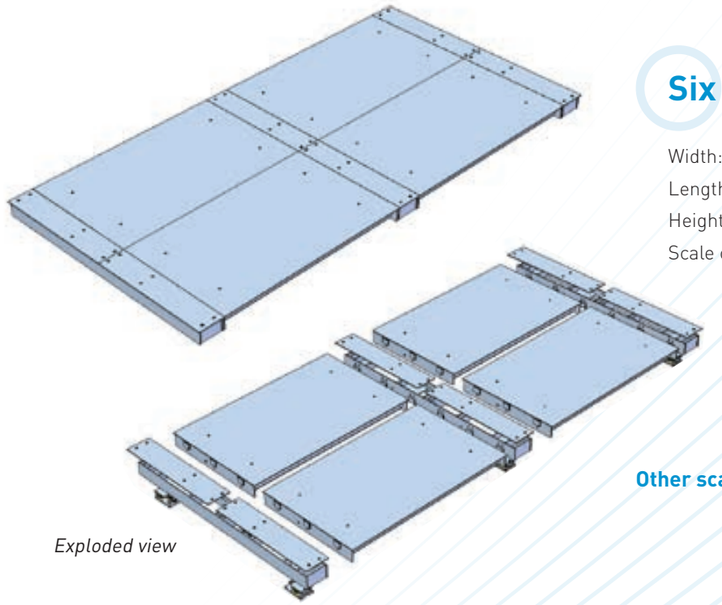
Four load cell deck

Width: 2 metres to 3.5 metres
Length: 2.5 metres to 4.5 metres
Height: 220mm
Scale capacity: 6 tonne to 15 tonne max



Exploded view

Access to load cells and junction box for maintenance is provided by top side removable plate



Exploded view

Six load cell deck

Width: 2 metres to 3.5 metres
Length: 4 metres to 9 metres
Height: 220mm
Scale capacity: 10 tonne to 20 tonne max

Other scale capacities and sizes available

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Roller, ball and castor decks

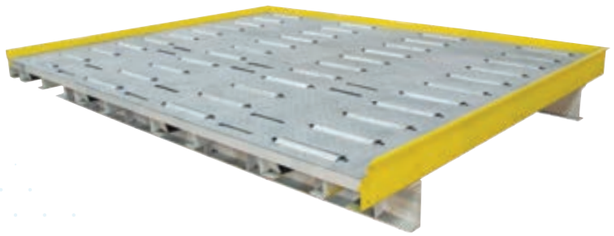
Accurate weight data of ULD's and aircraft pallets during cargo build up and prior to aircraft loading is an essential part of every cargo operation. Choose from Atrax's range of scales, available with either roller, swivel castor or ball transfer decks as the weighing platform. Each deck may be supported by four or more Atrax precision load cell mounts (SBM-5T) to create a rugged heavy duty and high accuracy weighing machine.

A deck conveying height of either 208mm or 508mm is available. Each deck is a modular design to allow for ease of transportation, simple installation and future extension or relocation.

Side guard rails and multiple swing-up steel stops are available to fit various container sizes and assist with load placement. Any deck can be a single scale platform or a split dual deck with separate load cells built into each half. Each half can be used independently, allowing two separate containers to be weighed simultaneously or the whole deck module used as one combined scale for larger ULD's. The dual deck units must connect with an Atrax CDI-1600 or 920i dual channel digital weight indicator to display individual deck weights and combined sum total weight. All other single decks will connect with any Atrax Digital Weight Indicator (DWI).

Roller deck

- Heavy duty rollers
- Single or dual deck scale
- Walk platform between roller groups
- Available with narrow or wide end orientation of cargo to suit system interface required

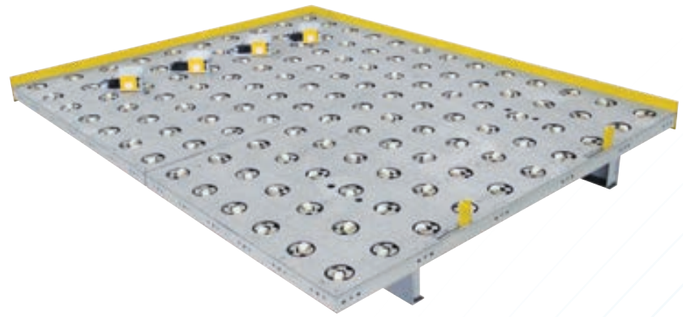


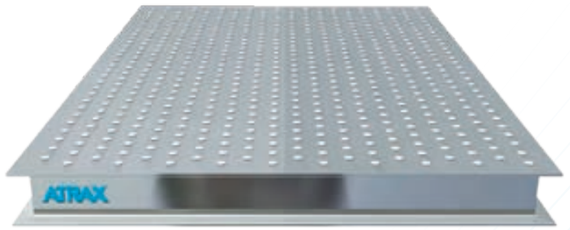
Swivel castor deck/ball transfer unit deck

A heavy duty scale designed specifically for fast and accurate weighing of large containers. This allows loading and unloading in any direction, with steel tip-up container stops in key locations. A full steel deck plate allows safe walking over the scale for manually moving ULD's.

Swivel castor deck

- Multidirectional castors
- Single or dual scale deck
- Suited to both make up and breakdown functions
- Allows change in load direction without change in orientation





Ball transfer deck

- Omni-directional balls allow free movement and rotation
- Single or dual scale deck
- Suited to both make up and breakdown functions

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Load cell mount assemblies

Atrax load cell and mount assemblies may be incorporated into most structures to create a weighing system.
A separate rigid structure such as a ball, castor, or roller deck can be placed on top of four or more Atrax mounts to form a weighing platform. The load cell mounts can be installed in a pit (e.g. flush mount floor scale or work station), above ground, on a scissor lift or embedded in moving equipment like a transfer vehicle (TV) or elevating transfer vehicle (ETV).

Horizontal restraints using travel stops and vertical uplift restraint are built in to each mount. For the SBM series, the vertical weighing loads are transferred to the load cell through a double cup and ball arrangement, which eliminates any horizontal side loads and angular movement (tilting or rotating) created by minor deflections in the deck structure.

The DSBM series load cell and mount assembly employs a centre pivoted tension loading system to transfer only vertical weight loads to the weight sensor. Unwanted horizontal and angular loads are nullified by this "unilink" suspension design.

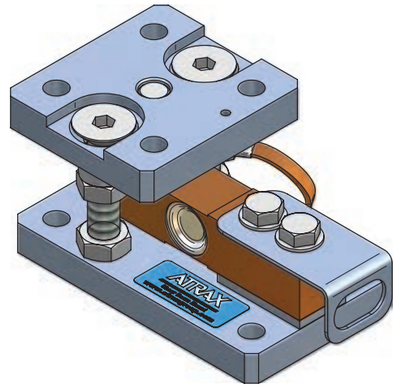
These Atrax load cells and mount assemblies eliminate the need for troublesome check rods, links, expansion assemblies and other unnecessary hardware.

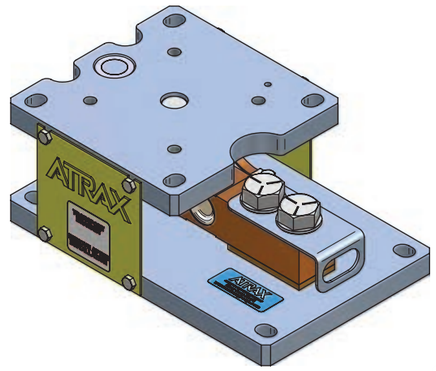
This ensures maximum accuracy of weighing and protects the load cells from damage.

The Atrax load cell and mount assemblies are available in three weight capacity models, SBM-2T, SBM-5T and DSBM-25K for medium, medium heavy and heavy capacity scale systems.

SBM-2T

- Mount accepts Atrax shear beam load cells 500kg, 1,000kg and 2,000kg capacity
- Built in horizontal and uplift travel restraint
- Integrated transportation overload stops for shipping
- Low profile - overall height 97mm
- Four mount system suits scales from 100kg to 5 tonne



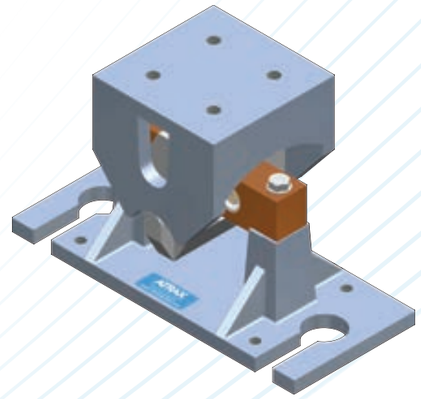


SBM-5T

- Mount accepts Atrax shear beam load cell 2.5t, 3t and 5 tonne capacity
- Built in horizontal and uplift travel restraint
- Low profile. Overall height 109mm
- Also available in narrow mount variation to fit between rollers in low height roller decks
- Four mount systems suits scales from 3 to 15 tonne
- Six mount systems suits scales from 6 to 20 tonne

DSBM-25K

- Mount accepts Atrax double end shear beam load cell 12.5 tonne (25Klb)
  Higher capacities by request
- Self-aligning suspensions link with built in travel restraint
- Overall height 222mm
- Four mount system suits scales from 10 to 40 tonne
- Six mount system suitable for up to 60 tonne scales



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Load cells

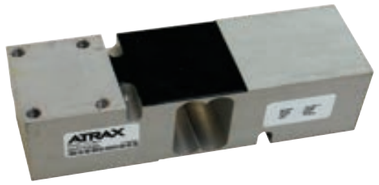
Accurate weighing starts with the load cell. The weight sensor converts the weight force into an electric signal for the digital weight indicator to process.

Atrax has a full range of load cells and weigh modules from a few grams to hundreds of tonnes, for everything from simple scale applications to complex high speed in-motion dynamic weighing machines.

Accuracy assured through International approvals.

Single point - aluminium

Aluminum
50; 75; 100; 150; 200; 250; 300; *500; *635; *660kgs
Protection Class: IP66
*non-OIML



Single end shearbeam

Alloy Steel
*100; *200; *300; 500kg; 1t; 2t; 2.5t; 3t; 5t; 10t; 20t
Protection Class: IP67
*non-OIML

Double ended shear beam

Alloy Steel
1K; 1.5K; 2.5K; 5K; 10K; 15K; 25K; 35K; 50K; 75K; 100K; 125K; 200K; 300Klb
Protection Class: IP67

Canister/compression

Stainless Steel
10t; 20t; 30t; 40t; 50t
Protection Class:
IP66 and IP68

Components

Load cell junction box

The Atrax LC-650-JB Junction Box provides summation and calibration sensitivity matching for up to six load cells in a weighing system, and combines the weight signals into a single output. Atrax's design minimises interaction between load cell channels and zero points and employs quick connect wire terminals and 25 turn fine adjust trim-pots, all of which means quicker and simpler installation and commissioning of your system.

Clever electrical design and high quality components used means you get stable and consistent scale weight readings, regardless of age and temperature changes.

Once set during initial calibration / commissioning it will never need adjustment again.

The unit is housed in a rugged, fully welded stainless steel enclosure with rubber gaskets and water proof cable glands. The printed circuit board is protected with heavy duty moisture proof conformal coating. This makes the LC-650-JB suitable for all your weighing applications, indoor or outdoor.

Instrument - load cell cable

The Atrax Load Cell Instrument cable is ideally suited to physically harsh environments or long home run cable installations. The double shielding system of aluminium Mylar foil together with braided tinned copper makes for physically tough yet flexible cable, with the added benefit of rodent protection and superior RF immunity.

Ball transfer unit (BTU)

Ball transfer units (BTU) are omni-directional load-bearing spherical balls mounted inside a restraining fixture. Used in the ball up position, objects are easily moved across an array of BTUs, allowing manual transfer to and from different sections of other conveying system equipment. Incorporating BTUs in a scale platform can facilitate the weighing operation.

Castors

Swivel Castors incorporate a wheel mounted to a fork, and with swivel joint below the fork. This allows the fork to freely rotate about 360°, thus enabling the wheel to roll in any direction. When a load, such as a ULD or cargo pallet is placed on a swivel castor deck, it is possible to move the load in any direction without changing its orientation. Used in a similar manner to BTUs swivel castors may also aid the weighing operation.

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Digital weight indicators

Digital weight indicators (DWI) are a key to accurate weight display and data transfer to management systems. Modern operations demand robust scales that are fast and easy to use and will maintain high accuracy year in and year out.

Atrax has carefully designed a select range of weight indicators from simple general purpose to fully functional and networked programmable indicators. Atrax indicators are used in low volume small town airports to big volume highly automated cargo airports like Hong Kong, Incheon and Dubai. We have the right weight indicator for your application.

Atrax AQW-55 DWI

With its large display showing 55mm high digits plus built-in RS-232 port, the Atrax Model AQW-55 is an ideal entry-level digital weight indicator for air cargo and express parcel weighing applications.

- Large (175 x 70mm) LCD display with backlight
- 6 digits of 55mm height
- Sealed to IP68
- Stainless steel housing
- kg and lb weighing modes
- Full range tare, gross/net indication
- Power on/off key, auto power off function
- Built in RS-232 port
- Optional wireless transmitter (Bluetooth)

Atrax 480 Plus DWI

In combination with Atrax platform scales, the Atrax Model 480 Plus is a proven multi-function weight indicator. This reliable unit has an ultra-bright LED display with large digits (20.3mm), and six-button operation, allowing front-panel digital calibration and configuration. The stainless steel enclosure, with a universal mounting stand, is sealed to IP66.

- Menu keys for tare, unit ID, time and date, setpoints, serial communications and print formats
- Sealed to IP66
- 20.3mm LED display, 6 digit
- Time and date
- 8 setpoints (relay output option card)
- Password protection for configuration changes
- RS-232 and 20mA ports

Atrax 1280 DWI

The Atrax Model 1280 Plus is an advanced and custom programmable multi-function weight indicator, with multiple connectivity options, inputs for up to 8 scales and multi-interval weighing functions.

- Colour LCD touchscreen
- Customizable graphical user interface
- On-screen keyboard available during entry mode or use an external keyboard
- Multi-language operation and text entry
- Keypad for scale operations, numeric entry and navigation
- Up to eight scales supporting four scale types:
- Multi-range/interval weighing functions
- Two RS-232 and RS-485 serial ports
- USB, Ethernet TCP/IP, WiFi and Bluetooth®

(Other network interface on requst)

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Digital weight indicators

CDI-1600

The CDI-1600 advanced multi-function digital weight indicator was developed specifically to meet the needs of modern air cargo and express parcel operations.

The specification and enhanced function set of the CDI-1600 allows both **stand-alone operation, or integration into a larger system via serial and Ethernet communication interfaces.**

System designers can standardise on the CDI-1600 throughout the cargo facility, simplifying user training, parts holding, maintenance and support thereby lowering costs for the owner.

A large colour TFT high contrast graphics display makes the CDI-1600 very easy to read at a glance with big digits and clear presentation. This full graphics display simplifies set-up and maintenance menus, sophisticated functions can be configured with ease.

- Stainless steel enclosure
- Large colour TFT high contrast display
- Weight digits from 20 mm to 40 mm high
- Air cargo data entry/capture enabled (full alphanumeric)
- Configurable operating modes & user prompts
- Display up to TWO scales simultaneously (Scale 1, Scale 2 & Total)
- Power for up to 10 load cells (per scale) at 350 ohm each
- Expanded 27-Key keyboard with navigation arrows
- Internal audible piezo buzzer, key press feedback
- PS2 Qwerty keyboard interface
- Barcode reader interface
- Programmable printout data/ticket formats
- Time & date internal real-time clock
- 3x digital inputs plus 3 x digital outputs (expandable)
- Ethernet communications port onboard (network enabled)
- USB Serial Port - connects with peripherals or memory sticks
- Two onboard serial ports (RS232 or RS485) expandable
- Tilt stand or panel mounted
- Alibi memory (option)

Dual scale

With the dual scale option, this indicator can display weight data from two scales simultaneously.
Both scales are active and are independently weighing at all times. The display can be set to display both scales and the total weight at the same time or selected to one scale only.

Connect up to 10 load cells per scale input (20 in total).

Capture additional data

- Transaction data can be captured and added at time of weighing by using the CDI-1600 front panel, a Qwerty keyboard, barcode reader or other device connected to the CDI-1600
- The indicator can be configured at set-up to prompt the operator with pre-set questions for data entry. These questions can be defined during the DWI set-up and configuration
- This captured data can be output to a printer or remote host computer via a serial port or Ethernet connection

User prompts for data entry

Connect to the world

The CDI-1600 will connect with everything you might need in todays cargo facilities, including advanced technology and highly automated systems. The indicator can control its surrounding process using fully configurable I/O. Alternatively, control can be executed from a central system using an extensive range of available interfaces.

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Digital weight indicators

Atrax 920i DWI

- Delivering more features, more programmability and more power for your weight data collection and control system. The 920i effectively combines weight, machine control and data computing functions into the one intelligent package. This weight indicator can operate as a powerful stand-alone data collection and management scale or be integrated into a sophisticated data collection and control system networked to a high level computer facility
- Stainless steel IP66 enclosure
- Large (117 x 86mm W x H) 320 x 240 pixel backlit LCD graphical display
- Four digital input/output channels as standard, expandable to 100 I/O with option cards
- Four independent full duplex data communication ports as standard additional data ports available with dual port option cards
- Network interface with option cards include Ethernet, TCP/IP, Profibus DP, DeviceNet, Control Net
- Connectivity with bar code scanners qwerty keyboard, printers, large figure displays and other devices
- Ten programmable display screens
- 60 configurable operator prompts
- Ultra fast weight update, analog to digital conversion rate up to 960/second
- Two expansion slots for option cards
- Power for up to 16 (350 Ω) load cells for each scale channel
- Up to 32 independent scale channels - with external mounted option cards

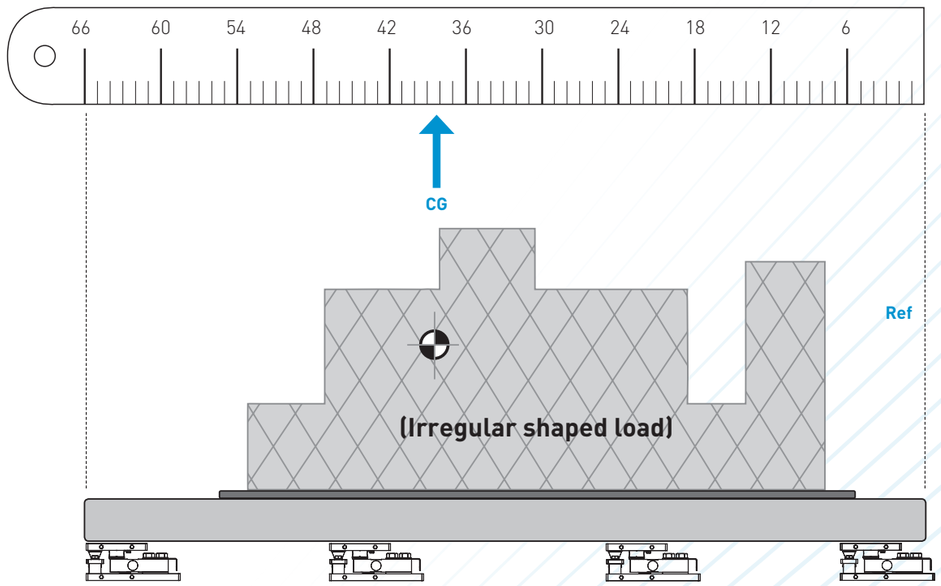
Dual scale

With the dual scale option, this indicator can display weight data from two scales simultaneously. Both scales are active and are independently weighing at all times. The display can be set to display both scales and the total weight at the same time or selected to one scale only.

Centre of gravity scale

Atrax CofG system

- Typically used in military air cargo applications the Atrax Centre of Gravity scale system is used to calculate the position of the centre of gravity for a loaded air cargo pallet. The pallet can be an unusual shape with irregular weight distribution and the CofG accurately determined with the help of a complex mathematical algorithm running inside the 920i digital weight indicator
- The CofG measurement system is normally fitted to a purpose built roller deck divided into modules and supported on multiple load cell weight sensors. The weight signals from each set of load cells is input to the 920i via separate scale channels, processed at high speed then used as the data for the CofG computation. An accurate CofG position is calculated in less than one second, displayed on the 920i front screen and available for output to a printer, large figure display or remote computer



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Large figure display

The Atrax highly visible series of indoor/outdoor displays are designed for applications wherever clear messages or weight information must be seen from a distance.

Suitable for a wide range of applications including remote scale display, vehicle guidance messages for tugs and ground support vehicles outdoor use with truck scales and flight information displays in cargo and airside operations.

Super bright LED display
The high quality display is clearly visible in any lighting condition. Highly efficient LEDs virtually never need replacement and lower energy costs.

Alpha numeric display with symbols
An active display area of 640 x 160mm with an LED array of 64 x 16 pixels allows display of all characters, numerals and many symbols. Chinese characters can also be displayed (may need loading into font set).

Dual LEDs
Can display red, green and amber (red + green) colour.

High visibility, low maintenance
The 140mm high characters allow a viewing range of 120-140 metres. The high intensity LEDs offer a wide viewing angle that can be read in direct sunlight, are long lasting and provide lower energy consumption thereby reducing costs.

Multiple interfaces
Serial communication over RS232, RS485 or 20mA current loop as well as Ethernet TCP/IP are standard. Wireless interface option available.

Easy mounting
The supplied tilt stand makes wall, desk-top or pole mounting a simple matter. Standard VESA mounting holes are included on the rear case allowing a huge range of VESA compliant mounting hardware to be used. Outdoor weather shield also available, Powder coated black aluminium.

Outdoor shield
An aluminium, powder coated corrosion resistant shield cover is available when extra protection from direct sunlight and rain may be wanted.

Printers

Atrax digital weight indicators will connect with most modern printers that have a serial communication port. Data printed, depending on DWI and printer selected, can include scale weight, time and date, sequential number and fixed company name and/or logo.

If used with the CDI-1600 or 920i DWI's the **printout can include other data captured at the scale location such as airway bill, flight or ULD number, barcodes and much more**. The printout format can be customised to suit the end user requirements.

The choice of printing technology depends on the intended use of the printout. Atrax can supply direct thermal, thermal transfer and impact dot matrix. Three different types of printout are also available, including pre-printed individual dockets (may be carbonised for duplicates) strip/roll printouts and self-adhesive labels.
Other printer brands and label applicators available on request.

Slip docket printer

Model TM-U295

Printer method: 7pin, impact dot matrix

The Atrax model TM-U295, slip printer is an ultra-compact versatile printer that can accept a range of docket sizes and multiple copy carbonised stationery. Most suitable for container close-out slips or printing on any manual placed forms. Select from among four print sizes and four printing directions.

Label printer

Model GC-420

Print method: Direct thermal or thermal transfer

The GC-420 is a fast printing ultra-compact high resolution label printer which can print text, graphic logos and barcodes onto a self-adhesive label. Available as a direct thermal print, using thermal sensitive label stock or as a thermal transfer print which uses a thermal ribbon and plain label stock.

Strip/tally roll printer

Model TM-U220

Print method: 9pin, impact dot matrix

The TM-U220 series has been equipped with numerous features that maximise ease of use, including drop-in roll paper loading and auto paper cutter. Individual tickets are printed on plain roll paper which can be presented separately or left on a continuous roll.

Model TM-T88V

Print method: Direct thermal or thermal transfer

The TM-T88V series thermal printers are fast and provide high resolution text and graphics, allowing company logos and barcodes to be produced. Drop in roll paper loading and auto cutter are standard. Available as a direct thermal print, using thermal sensitive paper or as thermal transfer print which uses a thermal ribbon and plain paper roll stock.

ATRAX
Weighing and Dimensioning Specialists

Operator kiosk

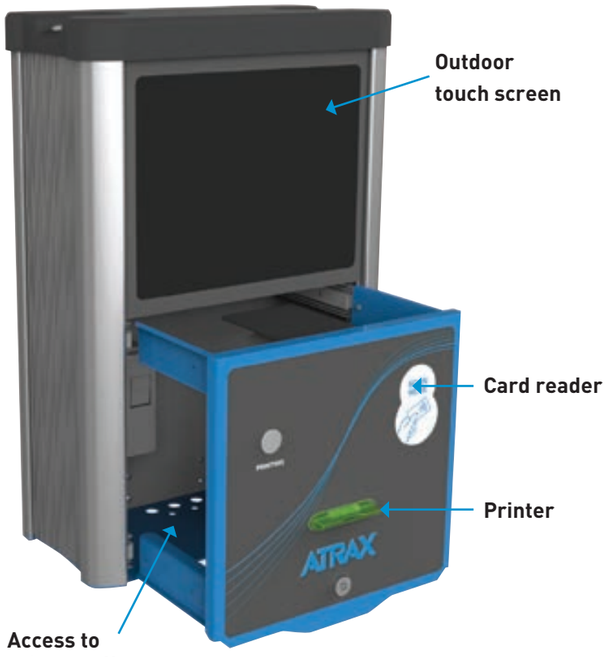
Atrax produce a range of customised control consoles, from computerised Kiosks with touch screens and printers to simple enclosures with push buttons and indicator lamps.

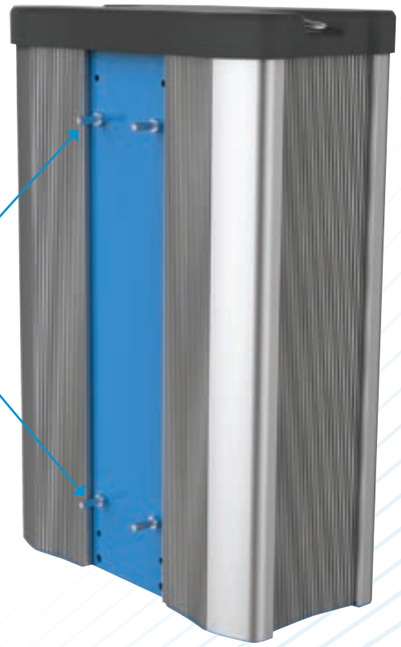
The Operator Kiosk can include a solid state rugged fan less computer with all the processing power and connectivity you require along with a high brightness touch screen suitable for outdoor use.

Any of the Atrax scale Digital Weight Indicators can be fitted in place of the Touch Screen if built in weighing is required.

A strip printer with a large paper roll can be included, for reliable operation and easy access to paper roll changes via the slide open drawer on the front.

Contact Atrax with your specific needs.





ATRAX
Weighing and Dimensioning Specialists

Electrical controls

Atrax produces a range of customised control equipment for use in our weighing and material handling solutions.

Talk to Atrax about your project requirements

Atrax electrical cabinets - system controls

Atrax control stations

These plastic control stations house controls components such as push buttons (illuminated or non-illuminated), E-stops (illuminated or non-illuminated), AS-i safe modules if required for the E-stops, selector or key switches or indicator lamps. They can also be hardwired when no field bus is used. Customisd options, including stainless steel panels and enclosures available. Talk to Atrax.

Large (145 x 195)

Small Tall (105 x 105)

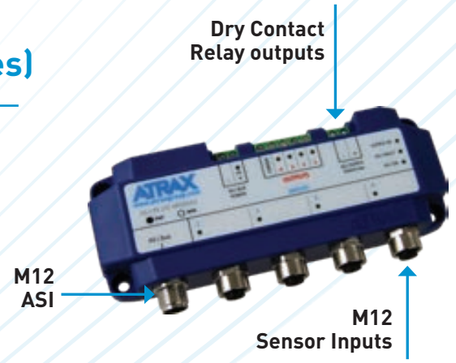
Intermediate (105 x 195)

Small Low (105 x 105)

Atrax AS-i nodes (A-B Half address nodes)

The Atrax AS-i Interface Modules are AS-i trigger Modules with four inputs and four outputs. There are three versions of the AS-i modules viz, the AS-i General I/0 Module and the AS-i Ex-OP Module. The difference between two versions is the connection technology. The AS-i General I/0 Module is equipped with screw terminals whereas AS-i Ex-OP Module is installed with pluggable connections for indicator lamps and contacts.

A sensor input AS-I module is also available, fitted with M12 connectors for sensors and AS-I connection. Dry contact relay outputs may be fitted to screw terminals.



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Trusted in over 140 countries

Rotating volume scanner system - SCANATRAX

RELEASE THE HIDDEN VOLUMETRIC PROFITS IN YOUR BUSINESS

Two important things you need to know to ship cargo - how big and how heavy. Most people use scales to find out how heavy things are but how do you quickly and accurately record how big the cargo is?

The old fashioned way is by hand using a simple tape measure but this is slow, seldom accurate and very difficult to do if the cargo is an irregular shape. Worse still, many people just guess the dimensions because they don't know better.

Customers often register a smaller volume than actual when delivering parcels to the cargo centre in order to obtain a cheaper freight charge. Sometimes this is due to human error but often it is a deliberate strategy.

Nobody would accept such a vague measurement approach to their bank balance! **If you cannot measure it - you cannot control it.**

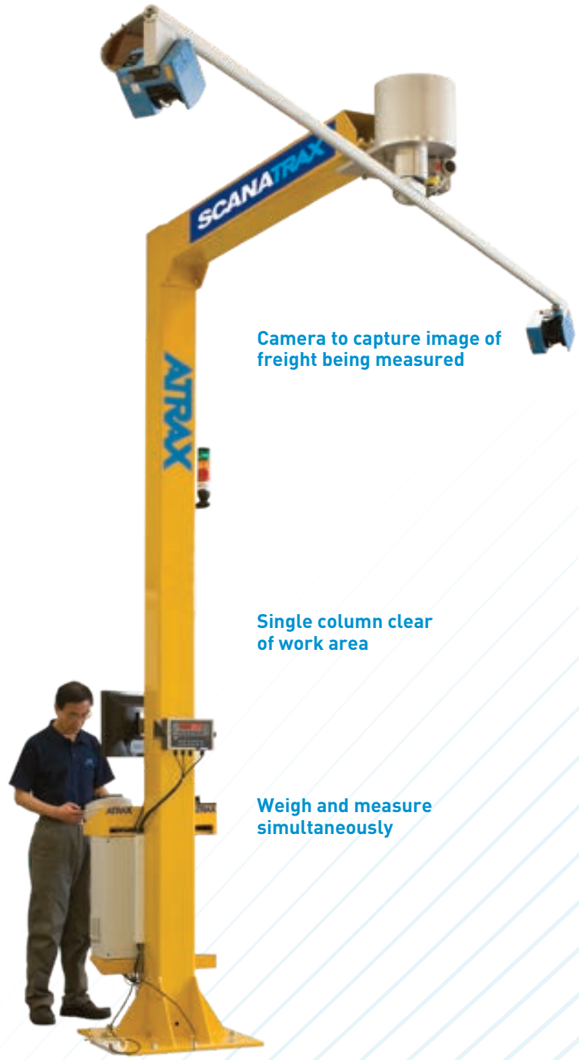
The Atrax Rotating Dimensioning System SCANATRAX eliminates these problems. **It is fast, accurate and removes human error.** In approximately 3 seconds it takes a 360 degree view of the entire package and calculates the height, width and depth of the object to within 20mm, no matter how "difficult" the shape may be.

The measurement and volume calculation comply with the international regulatory standards of OIML and NTEP and are in accordance with IATA rules and guidelines for cargo. The SCANATRAX determines the smallest cuboid the package will fit into - no more human error.

With the true volume known, the correct charges may be applied and no revenue lost.

SCANATRAX

- Fast (approx 3 seconds)
- Accurate (meets OIML R129)
- Removes human error (no more hand measurement & guesswork)



Camera to capture image of freight being measured

Single column clear of work area

Weigh and measure simultaneously

Rugged, simple to use touch screen

Print labels for freight or documents

Barcode reader

Stores all data
Transfer to host computer

ATRAX
Weighing and Dimensioning Specialists

Trusted in over 140 countries

Dynamic scales

The Atrax Dynamic Weighing Scale is a freestanding, selfcontained and self-powered, flat-belt weighing system that can be incorporated into new or existing logistics facilities. The scale operates while the conveyor is in motion and is intended for the weighing of individual boxes, cartons and parcels in random order for check weighing and revenue collection.

It has been designed for easy integration into new and existing systems.

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Notes

Notes

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ATRAX
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Quality | Innovation | Technical skill | Experience | Support

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BE COMPLIANT WITH ATRAX WEIGHING AND MEASURING PRODUCTS

ATRAX has approvals and certificates for scale accuracy and equipment safety from relevant government and independent testing agencies, for use in over 140 countries.