



Pallet Weighing & Dimensioning

Easy to Install and Use

Improve Operational Ratio

No Negative Impact on Operations

Facilitates Business Decisions

Automatic Measuring Solutions
Profitable, Efficient Pallet Handling

Automatic Dimensioning

Profitable Costing and Invoicing

Accurate measurement data is critical to revenue recovery. METTLER TOLEDO's automatic pallet dimensioner calculates the dimensional weight of a shipment for correct classification, pricing and invoicing. This allows you to offer customers fair, visible pricing, while reducing your operational ratio.

Overhead Mounting



Out of the way of forklift traffic, the overhead mounting makes it easy to position pallets under the dimensioner with no slow-down in operation.

Measures all Shapes



The three dimensioning heads see the pallet from all angles, making sure that no protrusions or irregularities are missed.

Measures all Surfaces



Some scanners struggle with dark, reflective surfaces. The CSN840 absorbs more light for accurate measurement regardless of wrapping.



CSN840 Specifications

| | |
|-------------------------|---|
| Dimensioning accuracy | ± 0.75 in. |
| Maximum size (LxWxH) | 72 x 72 x 102 in. |
| Minimum size (LxWxH) | 9 x 9 x 9 in. |
| Throughput | Around 200 pallets per hour depending on terminal flow |
| Shape | All shapes |
| Surfaces | Most surfaces. Variances are sometimes encountered when a surface is transparent/translucent or very glossy |
| Orientation | Place most stable surface down within the defined field of view |
| Background | Flat continuous surface. Instrument verifies acceptable background. |
| Operational temperature | 14° to 104°F |
| Power | 230 V 50 Hz, or 100-115 V 60 Hz |
| Laser type | Class 2 |
| Interface | General Ethernet (TCP/IP) or Standard host (RS232) |
| I/O ports | VGA, USB, keyboard, binary in, binary out |



Accurate Measurement of any Object

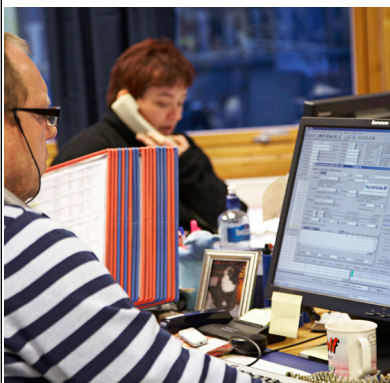
The CSN840 Pallet™ is a pallet dimensioning system that automatically captures the length, width and height of pallets and large objects. Simply integrated with weighing and identification technology, it provides accurate data for classifying, pricing and invoicing of shipments. By automating the measuring process, our customers are able to speed up the handling of shipments, reduce paper work, eliminate mistakes caused by human error and offer better quality customer service.

Easy-to-Operate



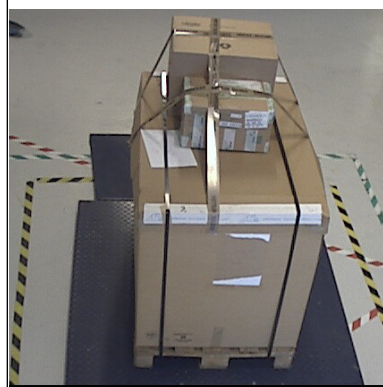
Simply place the pallet underneath the dimensioner and trigger measurement using your preferred method of identification.

Seamless Integration



Easily interfaced with barcode readers, scales and existing IT systems for seamless, paper-free operation.

Image Capture



Take a picture of each pallet for proof of condition, content and measurement using a legal for trade system.

One-Step Weighing Saves Time and Money

Make weighing a one-step operation with the METTLER TOLEDO range of forklift scales. Because the scale carriage is mounted on the forklift truck's lift bracket, you get an accurate weight reading simply by lifting a pallet. Specially configured software saves a complete transaction record, eliminating inefficient and error prone manual data entry.



Highly Accurate



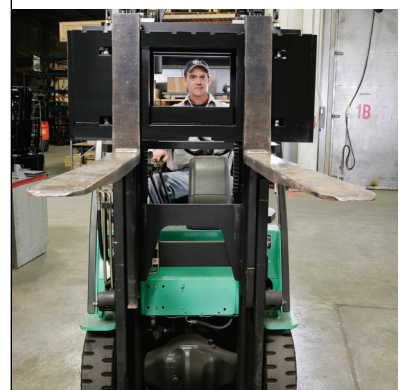
The unique design of the VFS220 holds calibration for a full year, providing consistently high accuracy without the frequent adjustments required by other scales.

Easy Installation

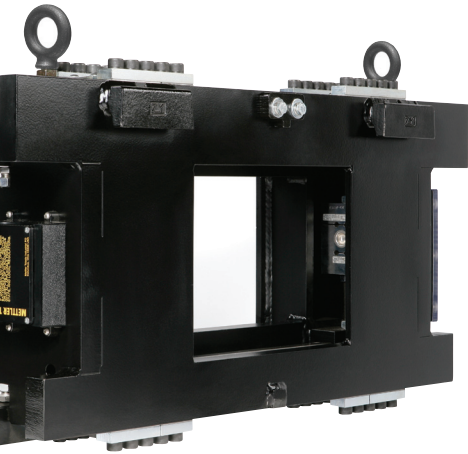


The VFS220 scale carriage can be installed in 30 minutes. It is ready for weighing immediately. Just hang the scale on the lift bracket, adjust the locating tab and tighten.

Designed for Safety



The center of the carriage is open, providing a high-visibility window. This design makes it easy for the forklift operator to see loads, position forks for lifting and avoid accidents.



VFS220 Specifications

| | |
|------------------------|--|
| Scale Capacity | 5,000 lb (2,000 kg) |
| Readability | 5 lb (2 kg), legal for trade |
| Load Cells | Two 5,000-lb, NIST H44 Class III |
| Forklift Mounting | Fits ANSI/ITSDF Class II carriage |
| Dimensions (W x H x D) | 36 x 22 x 7.43 inches (91 x 56 x 18.87 cm) |
| Weight | 415 lb (188 kg) |
| Electronics | Seven-channel, high-speed data acquisition module with up to 1 part in 500,000 resolution. Integrated dual-channel inclinometer. |
| United States Patent | 8,353,388 B2 |

Built to Last

The VFS220 forklift scale carriage is constructed of solid steel and designed to withstand years of heavy use. The carriage's strong front plate shields the load cells and electronics from damage that routinely puts competitors' forklift scales out of commission. The carriage can be installed on any internal combustion or electric truck with a Class II carriage.

Versatile Weighing



VFSVT software automates your weighing operation making it faster and more accurate. Choose from pre-configured applications depending on your weighing requirements.

Easy Data Management



Easily integrate a forklift scale into existing business systems and adapt to future changes. Download weight data at the end of a shift or in real time using a wireless network.

Extensive Capabilities



Speed up weighing transactions with accessories, such as printers and barcode readers that convert your forklift truck scale into a fully equipped weighing station.

Reap the Benefits

Automatic Weighing & Measuring

Wherever you are in the world, global Weights and Measures approvals ensure that measurements used for invoicing are accurate, repeatable and legal for trade.

- ▶ Improve Operational Ratio
- ▶ No Negative Impact on Operations
- ▶ Facilitates Informed Business Decisions
- ▶ Easy-to-Install & Easy-to-Use

Free Consultation

METTLER TOLEDO has over 25 years of experience in providing solutions to the transport and logistics industry and acts as a consultant for improving operational efficiency. If you would like to receive a free consultation on how to improve your operational ratio using automatic dimensioning and weighing solutions contact us using the details below to arrange a meeting.

www.mt.com/freight

For more information

METTLER TOLEDO

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View local contact addresses at www.mt.com/contacts

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