

# Flintec Overview

## What we do

Our comprehensive range of strain gage load cells and force sensors are highly reliable, accurate and cost effective. The combination of Flintec sensors and an extensive range of accessories and electronics allow our customers to install and create complete weighing systems.

For customers who require something unique, Flintec offers a fully project managed process of product development, producing sensors, hardware, electronics and software that are fully compliant with international standards and verification requirements. This process includes the manufacturing of complete systems for industrial weighing scales and medical applications.

## Customer service

We pride ourselves on customer focused service. With offices across the world, we ensure that each customer is given a regional contact who can provide technical guidance and support whenever it is needed. We have a global network of highly skilled engineers who can help with complex system integration and customization.

Flintec is a world leading manufacturer of precision weight measurement technologies designed for use across a diverse range of industrial sectors.

Our journey began in 1968 when two Swedish engineers established a weighing scale design company, designing unique scales and later developing innovative load sensors. Very soon the business grew to include offices in the USA and Germany. Today we have offices and representatives globally.

In 2008 the founder of Flintec passed ownership of the business to Indutrade AB ([www.Indutrade.Se](http://www.Indutrade.Se)), a company listed on the Swedish stock market. Although ownership of the company has changed, we remain committed to our values of innovation, quality, precision and customer service.



## Manufacturing

Since 1996 Flintec products have been manufactured in Sri Lanka. As demand grew, so did our manufacturing facilities. In 2006 our workforce expanded significantly with the opening of new state-of-the-art facilities. We currently employ over 800 highly skilled staff, manufacturing approximately 1 million sensors and 5 million strain gages annually.

Our sensors are manufactured using highly precise machinery, and are continually checked for accuracy. Our strain gages are manufactured by a dedicated team of highly skilled staff who ensure consistency and reliability. Each product manufactured by Flintec is rigorously tested and conforms to ISO9001 and ISO13485 requirements, ensuring quality and precision.

 Flintec is an Indutrade Company

We are extremely proud of our manufacturing facilities and welcome any prospective customer to visit Sri Lanka to understand why our products are renowned for being well made and reliable.

## Global reach

With offices and product stock strategically placed around the world, Flintec is able to offer fast shipments to our customers, regardless of location.

If stock levels don't meet order requirements, we can often mobilize our vast team of manufacturing staff to quickly meet the needs of our customers, offering priority manufacturing combined with either air or sea shipping.



**Flintec USA**  
(+1) 978 562 7800



**Flintec UK**  
(+44) 2920 797959



**Flintec Sweden**  
(+46) 21 120155



**Flintec Singapore**  
(+65) 66 510265



**Flintec Italy**  
(+39) 039 245 5666



**Flintec India**  
(+91) 20 41228295



**Flintec Germany**  
(+49) 6226 9240-0



**Flintec France**  
(+33) 38 731 3620



**Flintec China**  
(+86) 10 8487 1101



**Flintec Brazil**  
(+55) 11 4704-1450

[www.flintec.com](http://www.flintec.com)

# Single Point Load Cells

Sensor Systems + Solutions



**flintec**  
quality + precision

**flintec**

# Single Point Load Cells

Flintec's market leading selection of single point load cells have been specifically designed and manufactured to be highly accurate and reliable. The range is designed purposely for applications where accuracy and reliability are essential.

## When to use a single point load cell

Single point load cells are typically used in low capacity, compact weighing systems. Their unique corner adjusted flexures provides high accuracy weighing even when subjected to off-center loads. The Flintec range is typically used for retail and bench scales, industrial scales and high capacity bin lifting applications on waste collection vehicles.

## Common applications

- Retail scales
- Bench scales
- High speed checkweighers
- Bin lift systems for waste collection vehicles
- Container filling machinery
- Multi-head filling machinery
- Packaging machinery

## Key features

- Wide range of capacities from 5kg to 5,000kg
- Hermetically sealed
- Stainless steel construction
- OIML and NTEP weights and measured certified
- Hazardous area certified
- Extensive line of electronics and hardware available

## The highest quality materials

Flintec is one of the few load cell manufacturers to design and produce their own strain gages, ensuring accuracy and reliability.

We select only the highest grade stainless steel and aluminum, ensuring quality and consistency with full traceability.

## Optimized manufacturing

Flintec's manufacturing facilities are certified to ISO9001, ISO13485 and ISO14001. Manufacturing begins with the use of stainless steel or aluminum bars which are precision machined to produce the sensor body.

In a controlled, clean environment; strain gages are applied and are connected to form the measurement circuit. Flintec load cells are environmentally protected ensuring the highest form of reliability.

## Total calibration

Each of our load cells is electrically adjusted to ensure a consistent accuracy across a wide range of temperatures; typically from -10°C to +40°C.

Every Flintec load cell is checked for accuracy between no-load through to full capacity using highly accurate and traceable dead weight and force generation machines. A record of critical performance parameters is then used to generate a calibration certificate unique to each and every load cell.

## Full traceability

Our manufacturing process is fully traceable from the procurement of raw materials through to final calibration and dispatch. Every load cell has a unique identity and history that is stored electronically for many years after shipment.

## Electronic accessories

In support of the single point load cell line, Flintec supplies a broad range of electronic modules, which includes:

- + Junction boxes
- + Analog amplifiers
- + Digitizing units
- + Weighing indicators

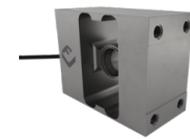
# Product Range

Flintec single point load cells are complimented by an extensive range of precision measuring electronics, allowing for optimum performance in all types of weighing applications.



## PC1

Capacities from 7.5 - 200kg  
Stainless steel construction  
Environmentally sealed by potting  
For platform sizes of 600 x 600mm



## PC2

Capacities from 20kg - 150kg  
Stainless steel construction  
Hermetically sealed, suitable for wall mounting  
For platform sizes of 1000 x 1000mm



## PC2H

Capacity of 2,000kg  
Stainless steel construction  
Hermetically sealed, rugged construction  
Off-center load compensated  
Designed for on-board vehicle weighing



## PC3H

Capacity of 5,000kg  
Stainless steel construction  
Environmentally sealed by potting  
Very rugged construction  
Off-center load compensated  
Designed for on-board vehicle weighing



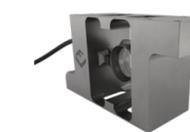
## PC7

Capacities of 100kg, 250kg & 500kg  
Stainless steel construction  
Hermetically sealed  
Electro-polished finish  
For platform sizes of 600 x 600mm



## PC7H

Capacity of 1,000kg  
Stainless steel construction  
Hermetically sealed  
Rugged construction  
Off-center load compensated  
Designed for on-board vehicle weighing



## PC12

Capacity of 20kg  
Stainless steel construction  
Hermetically sealed  
For platform sizes of 600 x 600mm  
Developed for dynamic weighing



## PC22

Capacities from 5 - 40kg  
Aluminium construction  
Environmentally sealed by potting  
Low profile design  
For platform sizes of 350 x 350mm



## PC5H

Capacity of 2,000kg  
Stainless steel construction  
Hermetically sealed  
Rugged construction  
Off-center load compensated  
Designed for on-board vehicle weighing



## PC6

Capacities from 10 - 200kg  
Stainless steel construction  
Hermetically sealed  
For platform sizes of 600 x 600mm



## PC6D

Capacity of 20kg  
Stainless steel construction  
Hermetically sealed  
Designed specifically for dynamic weighing  
Maximum conversion speed of 1200 measurements/sec



## PC6H

Capacity of 2,000kg  
Stainless steel construction  
Hermetically sealed  
Rugged construction  
Off-center load compensated  
Designed for on-board vehicle weighing



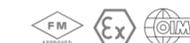
## PC30

Capacities from 7 - 100kg  
Stainless steel construction  
Environmentally sealed by potting  
For platform sizes of 400 x 400mm  
Wide range of capacities



## PC42

Capacities from 5 - 200kg  
Aluminium construction  
Environmentally sealed by potting  
Low profile design  
For platform sizes of 400 x 400mm



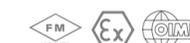
## PC46

Capacities from 50 - 250kg  
Aluminium construction  
Environmentally sealed by potting  
Low profile design  
For platform sizes of 400 x 400mm



## PC60

Capacities from 30 - 750kg  
Aluminium construction  
Environmental Protection IP67  
Maximum platform size up to 600 mm x 600 mm



## SB61C

Capacity of 50kg  
Aluminium construction  
Environmentally sealed by potting  
Bolt-hole compatible with SB6, SB8 and ZLB  
For platform sizes of 250 x 250mm



## PC81

Capacity of 2,000kg  
Aluminium construction  
Environmentally sealed by potting  
High capacity single point  
For platform sizes of 1400 x 1400mm  
Side mounted



## PCB

Capacities from 50 - 1,000kg  
Stainless steel construction  
Hermetically sealed  
For platform sizes of 1000 x 1000mm

