

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.

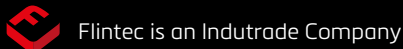
In 2008 the founder of Flintec passed ownership of the business to Indutrade AB (www.Indutrade.Se), a company listed on the Swedish stock market. Although ownership of the company has changed, we remain committed to our values of innovation, quality, precision and customer service.



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.



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.



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Miniature Force Sensors

Sensor Systems + Solutions



Miniature Force Sensors

Flintec’s range of miniature and low profile force sensors are designed for a broad range of process automation and test and measurement applications. Due to the very compact designs and high accuracy, the force sensors are easy to integrate into machinery; ensuring long-term, reliable force measurement.

When to use a miniature force sensor

General load cells constrain their use in many types of machinery due to their overall size and mounting requirement. The Flintec range of force sensors overcomes this constraint due to the very compact size and ease of mounting.

For general measurement tasks in the laboratory, the Flintec miniature force sensors offers a compact, high accuracy measurement solution across a broad range of capacities from as little as 1 lb.

Common applications

General test and measurement tasks
Press-fit machinery
Packaging machinery
Process automation equipment
Assembly equipment
Medical devices
Material test machines

Key features

Accuracies from 0.25%
Wide range of capacities from 1lb to 10,000lb
Tension & compression measurement
Environmental protection
Stainless steel & aluminium construction
Compact, low weight designs
High accuracy
TEDS (Transducer Electronic Data Sheet) storage
Extensive line of electronics and hardware available

The highest quality materials

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

We select only the highest grade stainless steel and aluminium, 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 aluminium 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 force sensors are environmentally protected ensuring the highest form of reliability.

Total calibration

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

Every Flintec sensor 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 force sensor.

Full traceability

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

Electronic accessories

In support of our force sensor rage, Flintec supplies a broad range of electronic modules, which includes:

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

Products

Our miniature force sensors can be ordered with a range of precision measuring electronics, and can be supplied with TEDS storage.



AP8

Capacity of 1kg
Compression force measurement
Aluminium construction
Environmental protection to IP64
Low capacities with high accuracy



ISA/ISB

Capacities from 1 - 100lb
Tension & compression force measurement
Stainless steel construction
Environmental protection to IP40
Compact, low weight design



MBC

Capacities from 100 - 10,000lb
Compression force measurement
Range of internal thru-hole diameters
Stainless steel construction
Environmental protection to IP65
Compact, low weight design



MBA

Capacities from 100 - 10,000lb
Compression force measurement
Stainless steel construction
Environmental protection to IP65
Low profile design



AP5

Capacities from 1kg - 10kg
Compression force measurement
Aluminium construction
Environmental protection to IP64
Low capacities with high accuracy



JF1

Capacities from 2 - 100kN
Compression force measurement
Stainless steel construction
Environmental protection to IP60
Low profile design



MBA-TW

Capacities from 25 - 50lb
Compression force measurement
Stainless steel construction
Environmental protection to IP64
Miniature, low weight design



MBD2

Capacities from 10 - 5,000lb
Compression force measurement
Range of internal thru-hole diameters
Stainless steel construction
Environmental protection to IP64
Compact, low weight design



Q1

Capacities from 200 - 500N
Tension & compression force measurement
Stainless steel construction
Hermetically sealed offering environmental protection to IP68
Low profile design



MHT

Capacities from 1 - 5,000kg
Compression force measurement
Aluminium (MHT1) and stainless steel (MHT2)
Environmental protection to IP64
Compact, low weight design



Y1

Capacities from 200N - 5000N
Tension & compression force measurement
Stainless steel construction
Environmental protection to IP64
Compact, low weight design



MK

Capacities from 100N - 150kN
Compression force measurement
Stainless steel construction
Environmental protection to IP64
Compact, low weight design



Y2

Capacities from 10kN - 50kN
Tension & compression force measurement
Stainless steel construction
Environmental protection to IP64
Compact, low weight design

