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, 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.

What we do

Our comprehensive range of strain gage load cells and force sensors are designed for use across a diverse range of industrial sectors. For customers who require something unique, Flintec offers a fully project managed process of product development, producing sensors, firmware, electronics, software that can fully comply with international occupational and production requirements. This process secures the manufacturing of complete systems for industrial weighing, water and chemical 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.

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 a new state-of-the-art factory, with capacity to produce over 400,000 highly-detailed strain gages annually. Today, our workforce consists of 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 consistent performance. Each sensor manufactured by Flintec is rigorously tested, conforming to ISO885 and ISO9001 requirements, ensuring quality and precision.

We are securely proud of our manufacturing facilities and encourage any interested party 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.

www.flintec.com

Flintec Overview

Flintec is an Indutrade Company

Miniature Force Sensors

Sensor Systems + Solutions

Flintec USA
(+1) 617 442 7823

Flintec UK
(+44) 20 7020 0569

Flintec Sweden
(+44) 21 297 7055

Flintec Singapore
(+65) 66 51 0265

Flintec Italy
(+39) 039 245 5666

Flintec India
(+91) 20 412 2829

Flintec Germany
(+49) 6226 9240-0

Flintec France
(+33) 38 73 1 3620

Flintec China
(+86) 10 8487 1101

Flintec Brazil
(+55) 11 4704 1450

www.flintec.com
Miniature Force Sensors

Flintec’s range of miniature force sensors is designed for a broad range of process automation and test and measurement applications. Due to the very compact design 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

Sensors and weighing indicators are used in many types of machinery due to their overall accurate force measuring requirements. 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 compact, high accuracy measurement solution across a broad range of capacities from as little as 1 lb.

Common applications

- General testing and measurement
- Packaging machinery
- Structural and deformation measurement
- Assembly equipment
- Football e.g. ball pressure
- Pressed metal machine

Key features

- Compact, low weight design
- Environmental protection to IP65
- Stainless steel & aluminium construction
- High accuracy
- Range of internal thru-hole diameters
- Capacities from 1lb to 10,000lb

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 its history that is stored electronically for many years after shipment.

Electronic accessories

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

- Analog to digital
- Analog amplifiers
- Digitalising units
- Weighing indicators
- Measuring instruments

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 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 calibrated to ensure a consistent accuracy across a wide range of temperatures, typically from -40°C to +80°C.

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

Products

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