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 technology enable customers to benefit from the measurement of forces and loads used in the most demanding industrial scales and systems, ensuring safety and precision.

For customers who require something unique, Flintec offers a fully project managed process of product development, producing sensors, building intricate solutions that can fully comply with international occupational and medical requirements. This process guarantees the manufacturing of complete systems for accurate weighing and handling applications.

Customer service

We pride ourselves on customer focused service. With offices strategically placed around 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 our large-scale production facility on the outskirts of Colombo. Today we are the world’s largest producer of load sensors, producing approximately 1 million sensors and 5 million strain gauges annually.

Our sensors are manufactured using highly precise machinery, and are continually checked for accuracy. Our strain gauges are manufactured in a dedicated facility of highly skilled staff who ensure that the highest quality load sensors are produced.

Our fully equipped test facility conforms to ISO 9001 and ISO 13485 requirements, ensuring quality and precision.

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 followed by either air or sea shipping.

www.flintec.com
Tension Load Cells

Flintec offer a range of tension load cells for a wide variety of weighing and measurement applications. Capacities range from as little as 1lb to 10,000kg.

**When to use a tension load cell**

Often called S-type due to their shape, these load cells are designed to measure tension and compression forces. Common in suspended weighing and a wide range of lifting applications. Compact variants are also now available for test and measurement applications.

**Common applications**

- **Silo weighing systems**
- **Suspended tank and hopper weighing**
- **Patient hoist systems**
- **Tensile load cell machinery**
- **Crane scales**
- **Test and measurement equipment**
- **Machine monitoring and control**

**Key features**

- Wide range of capacities from 1lb to 10,000kg
- Hermetically sealed for accuracy
- Stainless steel or aluminium construction
- High accuracy
- Hazardous area certified
- Extensive line of electronics and hardware available

**Optimized manufacturing**

Flintec’s manufacturing facilities are certified to ISO9001, ISO14001 and ISO13485. 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 load cells are then hermetically sealed by laser welding 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.

**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’s stored electronically for many years after shipment.

**Electronic accessories**

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

- Junction boxes
- Analogue amplifiers
- Digitising units
- Weighing indicators
- Measuring instruments

**Mounting hardware**

Flintec’s mounting systems are specifically designed to fit the tension load cell range. The 53-04 is manufactured using high-grade stainless steel, is simple to install and maintenance free.

**Products**

Our tension load cell family can be ordered with a range of precision measuring electronics and high quality mounting hardware allowing for optimum performance in all types of weighing and force measurement applications.

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacities</th>
<th>Construction</th>
<th>Environmentally sealed</th>
<th>High accuracy and input resistance</th>
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