Catalogue

2024 // 2025

flintec

Welcome

What we do

At Flintec, we specialise in the design and manufacture of high-precision load cells and force sensors, serving a diverse array of industries worldwide. Our products are integral to applications in industrial & agricultural vehicles, test and measurement, weighing machinery, process weighing, process control & automation, and medical devices. By providing robust and accurate sensor solutions, we enable our customers to achieve superior performance and reliability in their operations, ensuring precision in measurements that are critical to their success.

Our expertise extends beyond mere production; we pride ourselves on our collaborative approach. We work closely with businesses to develop custom solutions tailored to their specific needs, whether it involves integrating our sensors into complex machinery or creating bespoke systems for unique applications. This partnership-driven ethos ensures that our solutions are not only cutting-edge but also seamlessly aligned with the operational requirements and goals of our customers, fostering long-term relationships built on trust and excellence.

Mission

Innovation is at the heart of Flintec's mission. We continually invest in research and development to advance our product offerings and stay ahead of industry standards.

Our commitment to quality and innovation is reflected in our rigorous testing processes and adherence to international standards. By pushing the boundaries of sensor technology, we empower our customers to enhance their operational efficiencies, drive technological advancements, and maintain competitive edges in their respective markets.

Contents

Industry Sectors

Load cells are utilised across a wide range of industries and applications.

At Flintec, we have identified six key areas where load cells and force sensors are essential.

We focus our efforts on providing solutions that suit the multitude of applications found within these sectors.

- Industrial + Agricultural Vehicles
- Medical Devices
- Process Automation + Control
- Process Weighing
- Test + Measurement
- Weighing Machinery

Industrial Vehicles

Overview

The industrial and agricultural vehicles sector involves the application of load cells and force sensors in a variety of heavy-duty vehicles used in construction, agriculture, and logistics. Flintec's sensors are engineered to provide precise and reliable measurements under harsh, changable conditions, enhancing safety, efficiency, and productivity.

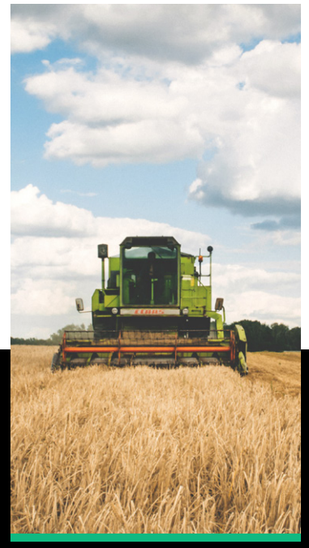
Key Needs and Offerings

This sector requires robust, durable sensors capable of withstanding extreme environments and providing accurate measurements in both static and dynamic conditions. Flintec offers high-precision load cells and force sensors designed for rugged conditions, customisable to meet specific vehicle requirements, and easily integrated with existing systems.

Applications

Refuse Collection

Flintec's load cells ensure accurate weight measurement of waste loads, optimising efficiency and safety by preventing overloading and ensuring compliance with weight regulations.



Harvesting

Our force sensors provide precise monitoring of weight and force in harvesting equipment, enhancing performance and yield management, and ensuring machinery longevity.

Haulage

Flintec's robust load cells offer precise weight monitoring for haulage trucks, ensuring safe and efficient transportation, preventing overloading, and ensuring compliance with legal weight limits.

Medical Devices

Overview

The medical devices sector encompasses a diverse range of applications requiring high precision, safety, and compliance with stringent standards. Flintec's advanced load cells and force sensors are designed to meet the unique challenges of this sector, providing reliable and accurate measurements essential for various medical devices and equipment.

Key Needs and Offerings

The medical devices sector demands customised, highly accurate, and reliable measurement solutions that comply with medical standards like ISO 13485. Flintec addresses these needs by offering medical-grade sensors tailored to specific device requirements, ensuring safety, performance, and compliance. Our expertise in sensor development, electronic circuit design, and rigorous quality management underpins our commitment to excellence in the medical field.

Applications

Infusion Pump

Flintec's sensors for infusion pumps ensure precise monitoring and control of fluid delivery, enhancing the reliability and safety of infusion therapy crucial for patient care.

Infant Scales

Our advanced load cells for infant scales provide highly accurate weight measurements, essential for monitoring the growth and health of newborns, with features like extended battery life and dual-range functionality.

Incubators

Flintec offers ultra-low-profile planar beams and bespoke measurement electronics for incubators, ensuring precise environmental control and monitoring, critical for maintaining optimal conditions for neonatal care.

Process Automation

Overview

The process control and automation sector relies on precise and reliable load cells and force sensors to enhance the automation and control of industrial processes. Flintec's sensors provide the accuracy and durability needed for real-time monitoring and control, optimising efficiency and productivity in automated environments.

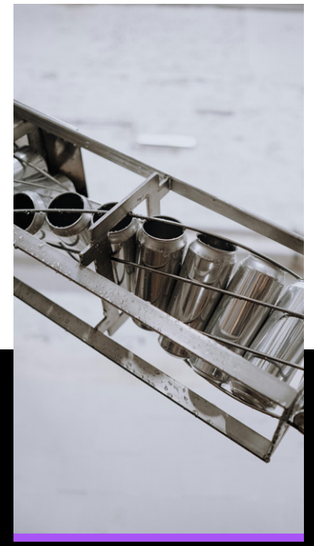
Key Needs and Offerings

This sector demands high-precision sensors for accurate control, seamless integration with automation systems, and reliable performance in challenging industrial conditions. Flintec offers advanced load cells and force sensors that meet these needs, customisable to specific process requirements, and compatible with various automation technologies.

Applications

Pump Control

Flintec's load cells ensure precise monitoring and control of oil pump operations, enhancing efficiency and preventing overloading or underloading in pumping systems.



Assembly

Our sensors provide accurate weight and force measurements for automated assembly equipment, ensuring consistent production quality and operational efficiency.

Inventory

Flintec's load cells offer precise weight monitoring for inventory control systems, enabling accurate stock management and preventing discrepancies.

Process Weighing

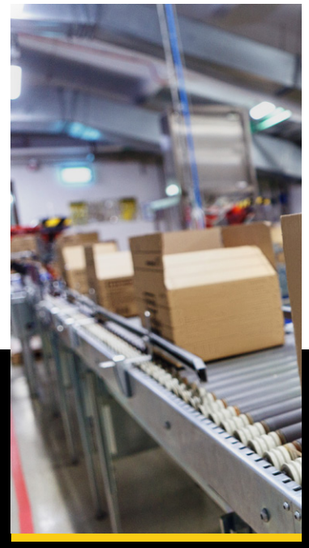
Overview

The process weighing sector integrates load cells and force sensors into manufacturing and processing lines to monitor and control weight during production. Flintec's sensors provide the precision and reliability needed for real-time weight monitoring, enhancing efficiency and consistency in various industrial processes.

Key Needs and Offerings

This sector requires high-accuracy sensors for continuous and batch weighing, seamless integration with automated systems, and robust performance in demanding environments. Flintec offers advanced load cells and force sensors tailored to these needs, ensuring reliable and precise measurements for process control.

Applications



Conveyor Scales

Our sensors provide real-time weight monitoring for materials on conveyor belts, optimising process control and efficiency in continuous production lines.

Food Packaging

Flintec's load cells ensure precise weight measurement in food packaging processes, maintaining consistency and quality in packaged products.

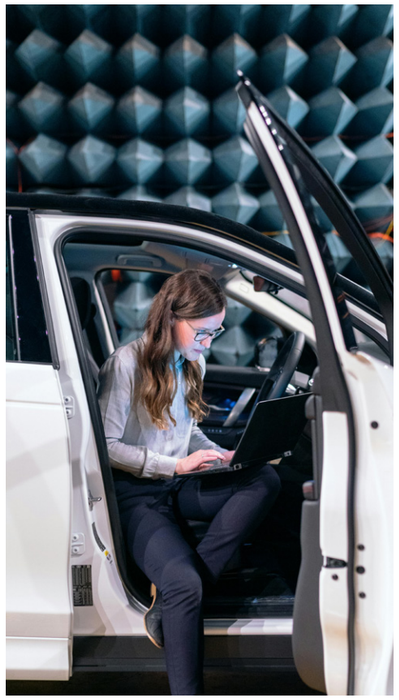
Silo Weighing

Our load cells offer precise weight measurements for contents in tanks and silos, enabling accurate inventory management and optimising storage efficiency.

Test + Measure

Overview

The test and measurement sector involves the precise assessment of materials, components, and systems across various industries. Flintec's high-precision load cells and force sensors are designed to meet the stringent requirements of this sector, providing accurate and reliable data essential for quality control, research, and development.



Key Needs and Offerings

This sector demands sensors with exceptional accuracy, versatility to handle different testing conditions, and durability for consistent performance. Flintec offers advanced load cells and force sensors that deliver precise measurements, customisable solutions for specific test setups, and robust designs to withstand various environments.

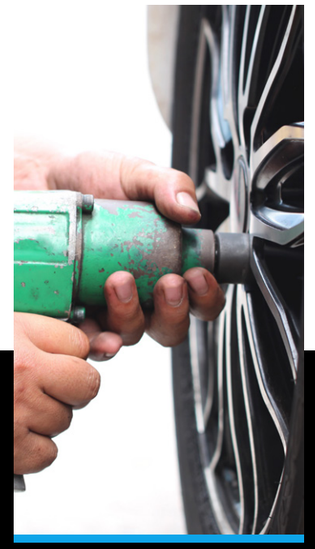
Applications

Haptics

Flintec's sensors provide precise force measurement for haptic feedback systems, enhancing the accuracy and realism of tactile responses in various devices and applications.

Material Testing

Our load cells measure the force required to deform materials, offering critical data for quality control and research in material properties and strength.



Hand Tools

Flintec's force sensors accurately measure the forces exerted by hand tools, ensuring ergonomic design and enhancing the performance and safety of tools used in various industries.

Weighing Machinery

Overview

The weighing machinery sector demands trade-approved accuracy, high precision, durability, and reliability in weight measurement solutions. Flintec provides cutting-edge load cells and force sensors designed to meet these stringent requirements, ensuring that our customers can charge accurately by weight. Our products guarantee compliance and longevity in various industrial and commercial applications. We cater to retail, industrial, and laboratory environments, offering versatile and customisable options to fit specific requirements.

Key Needs and Offerings

Customers in this sector require precise, trade-approved weighing systems capable of withstanding various operational environments. Flintec addresses these needs with highly accurate load cells, robust designs for demanding applications, and customisable solutions to meet specific machinery requirements. Our sensors integrate seamlessly with existing systems, ensuring reliable performance and ease of use.

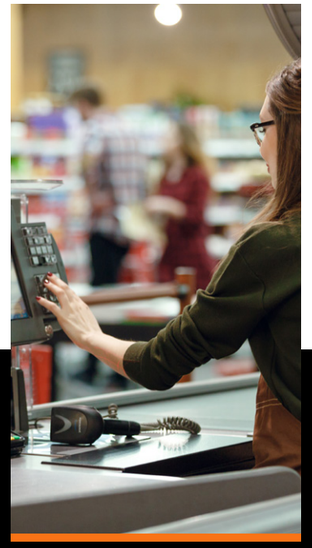
Applications

Truck Scales

Flintec's robust load cells offer precise weight monitoring for truck scales, ensuring safe and efficient weighing of heavy vehicles for logistics and compliance with road regulations.

Bench Scales

Flintec's load cells provide precise weight measurement for bench scales used in various industrial and commercial settings, ensuring accuracy and reliability for routine weighing tasks.



Scanner Scales

Our high-precision load cells ensure accurate weight measurements for checkout scanners in retail environments, enhancing transaction efficiency and customer satisfaction.

Beam
Load Cells

IAV M PAC PW WM TM

BK2

200 - 2,000kg
GP // C3

Low-profile beam load cell designed for space restricted industrial and medical applications.

Stainless steel | Potted seal | IP67

Industries:

New

DESB

30klb & 25klb
GP

The DESB load cell is a robust, high-accuracy solution for industrial and agricultural vehicle weighing.

Stainless steel | Hermetic seal | IP68

Industries:

DSB7

7.5t, 15t & 25t

Double-ended shear beam load cell designed for on-board vehicle weighing.

Stainless steel | Hermetic seal | IP68

Industries:

New

MC1

5lb - 250lb
GP

A high-performance, cost-effective miniature beam load cell, ideal for test and measurement applications in confined spaces.

Aerospace-grade aluminium | Protective cover | IP67

Industries:

New

MC4

5lb & 10lb
GP

A high-performance, cost-effective miniature beam load cell with built-in overload protection, ideal for test and measurement applications in confined spaces.

Aerospace-grade aluminium | Overload Protection | IP67 | Protective cover

Industries:

SB14

227 - 4,536kg
GP // C3 // C3 MI 6

A high accuracy and low profile bending beam load cell with a wide range of capacities.

Stainless steel | Hermetic seal | IP68

Industries:

SB2

20.4t & 45.4t
GP // C1 // C3

A heavy-duty range of shear-beam load cells, designed specifically for applications found in steel processing systems.

Painted tool steel | Hermetic seal | IP68

Industries:

SB4

510 - 10,197kg
GP // C1 // C3 // C3 MI7.5 // C4 // C4 MI7.5

A high-accuracy, welded, bending-beam load cell with a wide range of capacities and a blind-ended loading hole.

Stainless steel | Hermetic seal | IP69K

Industries:

SB5

510 - 10,197kg
GP // C1 // C3

A high-accuracy, potted, bending-beam load cell with a wide range of capacities and a blind-ended loading hole.

Stainless steel | Potted seal | IP67

Industries:

SB6

20 - 204kg
GP // C1 // C3 // C3 MI 6 // C4

Unique bending-beam load cell, designed for a wide range of high-accuracy applications. Features a blind loading hole.

Stainless steel | Hermetic seal | IP68

Industries:

SB8

10 - 500kg
GP // C3

A bending-beam load cell with a wide range of available capacities and a welded bellows casing.

Stainless steel | Hermetic seal | IP68

Industries:

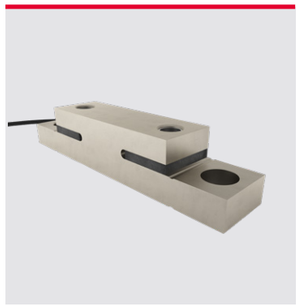
SB9

250 - 2,000kg
GP // C3

Rugged shear-beam load cell designed for industrial platform scales and other applications not requiring welded seals.

Stainless steel | Potted seal | IP67

Industries:



SBT

10,000kg
GP

A robust, nickel-plated beam load cell designed to be mounted underneath heavy-duty vehicles and trailer bodies.

Alloy steel | Potted | M12 connector | IP68

Industries:

SLB

91 - 2,268kg
GP // C3

A high accuracy and low profile bending beam load cell with a wide range of capacities.

Stainless steel | Potted seal | IP67

Industries:

Custom Solutions

At Flintec, we recognise that some projects demand unique solutions beyond standard offerings. That's why we provide customers with fully bespoke load cell solutions, meticulously engineered to meet your specific requirements.

Reflecting our customer-driven philosophy, about half of our new products each year are custom load cell solutions. Our custom work ranges from minor modifications to complex, large-scale projects.

With one of the strongest engineering teams in the industry, we are well-equipped to handle any project, regardless of its complexity. We adhere to international standards ISO 9001:2015 for quality management and ISO 13485:2016 for medical device manufacturing, ensuring the highest quality in all our work.

Driven by passion and dedication, we guarantee exceptional quality and precision in every custom solution we deliver.

Where Quality meets Precision.

Single Point
Load Cells

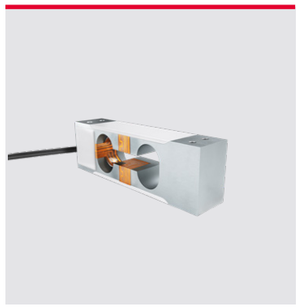
PA1

300 - 20,000g
GP

Miniature single-point load cells designed for very low-capacity weighing scales, process machinery and medical devices.

Aluminium | Potted seal | IP67

Industries:



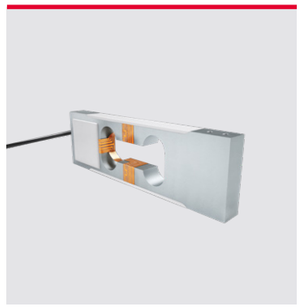
PA2

300 - 5,000g
GP

Miniature single-point load cells designed for very low-capacity weighing scales, process machinery and medical devices.

Anodised aluminium | Potted seal | IP66

Industries:



PA3

300 - 5,000g
GP

Miniature single-point load cells designed for very low-capacity weighing scales, process machinery and medical devices.

Anodised aluminium | Potted seal | IP66

Industries:

PC1

7.5 - 200kg
GP // C3 // C3 MI6 // C4

A high-accuracy, single-point load cell, ideally suited to a wide range of weighing tasks and certified weighing equipment.

Stainless steel | Potted seal | IP67

Industries:

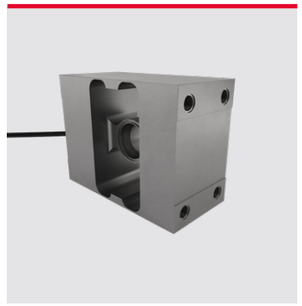
PC12

20kg
GP // C3

Single capacity load cell optimised for dynamic weighing applications, such as speed checkweighers.

Stainless steel | Hermetic seal | IP68

Industries:



PC2

20 - 150kg
GP // G3

Robust, end-mounted single-point load cell, ideal for both dynamic and static applications with large platforms.

Stainless steel | Hermetic seal | IP68

Industries:

PC22

5 - 40kg
GP // C3

A compact and low-capacity single-point load cell. Industry-standard mounting, ideal for new equipment or replacements.

Aluminium | Potted seal | IP67

Industries:

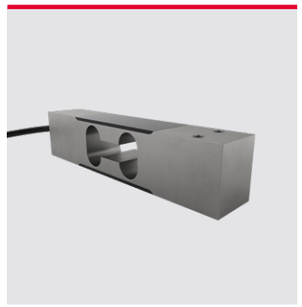
PC2H

2,000kg
GP // C3

A robust, single-point load cell designed for front and rear-end bin lifting systems on waste collection vehicles.

Stainless steel | Hermetic seal | IP69K

Industries:



PC30

7 - 100kg
GP // C3

A high-accuracy, single-point load cell, ideally suited to a wide range of weighing equipment.

Stainless steel | Potted seal | IP67

Industries:

PC3H

5,000kg
GP // C1 // C2.5

A rugged and high-capacity, single-point load cell designed for front-end bin lifting systems on waste vehicles.

Stainless steel | Hermetic seal | IP69K

Industries:

PC42

5 - 200kg
GP // C3

A compact, low-capacity, single-point load cell. Industry-standard mounting holes for new or replacement scale equipment.

Aluminium | Potted seal | IP67

Industries:

PC46

50 - 250kg
GP // C3 // C4

A highly accurate, single-point load cell ideally suited to medium-capacity bench and platform scales.

Aluminium | Potted seal | IP67

Industries:

PC52

100 - 200kg
GP

A very low-profile, single-point load cell, ideal for applications where overall scale height needs to be minimised.

Aluminium | Potted seal | IP67

Industries:

PC5H

2,000kg
GP // C3

A robust, high-capacity, single-point load cell, designed for rear-end bin lifting systems on waste collection vehicles.

Stainless steel | Hermetic seal | IP69K

Industries:

PC6

10 - 200kg
GP // C3 // C3 MI6 // C4

A highly accurate and electropolished single-point load cell, ideal for trade-approved equipment in the food industry.

Stainless steel | Hermetic seal | IP68

Industries:

PC60

30kg - 750kg
GP // C3

A medium capacity, single-point load cell, ideal for bench scales, medical scales and platform scales.

Aluminium | Potted seal | IP67

Industries:

PC6H

2000kg
GP // C3

A rugged single-point load cell designed for rear-end bin lifting vehicles. Trade-approved.

Stainless steel | Hermetic seal | IP69K

Industries:

PC7

100kg, 250kg & 500kg
GP // C3 // C3 MI6 // C4

An electro-polished, single-point load cell to compliment the PC6 and PCB. Ideal for weighing in marine, food and pharma.

Stainless steel | Hermetic seal | IP68

Industries:

PC7H

1,000kg
GP // C2

A rugged and high-capacity, single-point load cell designed for rear-end bin lifting systems on waste collection vehicles.

Stainless steel | Hermetic seal | IP69K

Industries:

PC81

2,000kg
GP // G3

A high-capacity option for very large platform scales, vessel weighing and bin-lifting systems.

Aluminium | Potted seal | IP67

Industries:

PCB

50 - 1,000kg
GP // C3 // C3 MI6

Highly accurate and electropolished; designed for trade approved scales in the food or chemiical industry.

Stainless steel | Hermetic seal | IP68

Industries:

PC3

7kg - 150kg
GP // C3

A low-profile single-point load cell with numerous capacity variants. Offers an accurate and economical solution to many weighing applications.

Stainless steel | Potted seal | IP67

Industries:

PC4

10, 20, 50 & 100kg
GP // C3

A high performance single-point load cell designed for applications that require trade-approved weighing in harsh environments.

Stainless steel | Hermetic seal | IP69K

Industries:

SB61C

50kg
GP

An economical alternative to the SB8 for applications that do not require trade-approved performance.

Aluminium | Potted seal | IP67

Industries:

Specialist Sensors

IAV M PAC PW WM TM

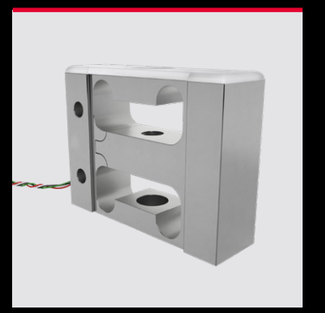
J25

20, 150 & 250 bar

A pressure sensor for monitoring gas and fluid. Robust and compact design, ideal for numerous automotive and industrial applications.

Stainless steel | Hermetic seal | IP68

Industries:



PD3

2.2lb - 500lb

A parallelogram load cell capable of both tension and compression measurements. High performance with in-build overload protection.

Stainless steel | Mechanical overload protection | IP65

Industries:

Compression
Load Cells

CN3

0.5t - 1t
C3 // C4

A high-capacity compression load cell with a bending-ring design. It delivers high-accuracy measurments ideal for trade-approved applications.

Stainless steel | Hermetic seal | IP68

Industries:

MSA

5lbs - 1,000lbs
optional TEDS enabled

A miniature button sensor similar to the MBA but with an extra low height profile. Ideal for various test and measure applications.

Stainless steel | Potted seal | IP64

Industries:

CC1W

30K lbs & 50K lbs

The CC1W is a wireless compression load cell used for pump-off control in the oil and gas industry. No more costly cable repairs.

Stainless steel | Hermetic seal | IP67

Industries:

CC3

30K lbs & 50K lbs

A rugged and robust compression load cell for polished rod sensors (pump-off control) in the oil and gas industry.

Cast steel | Hermetic seal | IP68

Industries:

JF1

2 - 100kN
optional TEDS enabled

The JF1 conpression sensor is designed for press-fit applications. Low profile design to easily embed into assembly machines.

Stainless steel | Miniature sensor | IP64

Industries:

AP5

1 - 10kg
optional TEDS enabled

Very low capacity, miniature sensor. A low profile and compact design to fit inside assembly and test machinery.

Aluminium | Miniature sensor | IP40

Industries:

AP8

1kg
optional TEDS enabled

Very low capacity, miniature sensor. A low profile and compact design to fit inside assembly and test machinery.

Aluminium | Miniature sensor | IP40

Industries:

CC1

30K lbs & 50K lbs

The CC1 compression load cell is a robust and reliable option for polished rod sensors in the oil and gas industry.

Stainless steel | Hermetic seal | IP68

Industries:

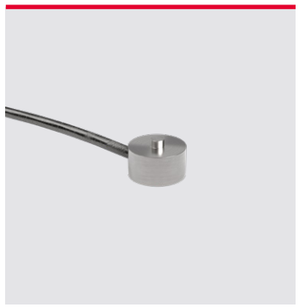
MBA

100lb - 50klb
optional TEDS enabled

A miniature button sensor designed for applications in test and measurement as well as machine monitoring and control.

Stainless steel | Miniature sensor | IP65

Industries:



MBA-TW

25 - 50lb
optional TEDS enabled

A miniature button sensor designed for applications in test and measurement as well as machine monitoring and control.

Stainless steel | Miniature sensor | IP64

Industries:

MBC

100lb - 50klb
optional TEDS enabled

A miniature thru-hole sensor designed for applications in test and measurement as well as machine monitoring and control.

Stainless steel | Miniature sensor | IP65

Industries:

IAV M PAC PW WM TM

MBD2

10 - 5,000lb
optional TEDS enabled

A miniature thru-hole sensor designed to test and measure the compressive forces acting on cylinders, bolts and shafts.

Stainless steel | Miniature sensor | IP64

Industries:

MHT1

1 - 200kg
optional TEDS enabled

A miniature compression sensor with threaded mounting. Ideal for various test and measure applications.

Aluminium or stainless steel | Miniature sensor | IP64

Industries:

MHT2

500 - 5,000kg
optional TEDS enabled

A miniature compression sensor with threaded mounting. Ideal for various test and measure applications.

Stainless steel | Potted seal | IP64

Industries:

RC1

25.5t - 91.8t
GP // c1 // C3

A robust, column load cell designed for applications in truck scales and process weighing systems.

Stainless steel | Hermetic seal | IP68 | Self-restoring column

Industries:

RC3

7.5t - 300t
GP // C1 // c3 // c3 mi8 // c4

A rocker-column load cell with a very wide range of capacities. An economical alternative to the RC1.

Stainless steel | Hermetic seal | IP68 | Self-restoring column

Industries:

RC3D

30t - 50t
GP // C1 // C3 // C4

An digital version of the RC3 with embedded electronics to improve accuracy and data handling.

Stainless steel | Hermetic seal | IP69L | Daisy-chain configuration

Industries:

MK

100N - 200kN
optional TEDS enabled

A low-profile, miniature button sensor designed to be embedded into test and measurment machinery.

Stainless steel | Miniature sensor | IP64

Industries:

Q1

200 - 5000N
optional TEDS enabled

A smart sensor with high-accuracy and electronicly adjustable zero and span signals.

Stainless steel | Miniature sensor | IP68

Industries:

Q50

0.5 - 30t
GP

A compression load cell with a high capacity and low-profile design. Electropolished surface is ideal for use in sterile and clean environments.

Stainless steel | Hermetic seal | Eletropolished surface | IP68

Industries:

Smart Sensors

All our miniature force sensors are available with TEDS-enabled connectors, enhancing their functionality and ease of use. TEDS, or Transducer Electronic Data Sheet, refers to a small chip housed within the connector that encodes sensor specifications and calibration data. This technology enables plug-and-play functionality in accordance with the IEEE 1451.4 Standard for Smart Transducer Interface.

Our TEDS-enabled solutions ensure consistent accuracy in demanding environments, leveraging reliable strain-gauge technology, durable electronics, and advanced environmental sealing.

The benefits of our smart sensors include:

- Eliminate data-entry error
- Simplify setup with plug-and-play
- Hot-swap sensors with ease
- Identify sensors electronically

Choose from our range of available sensors to experience the reliability and precision of Flintec's smart sensor technology.

Tension
Load Cells

ISA

1 - 10lb
optional TEDS enabled

Miniature S-beam sensors configured for both tension and compression measurment. Ideal for embedding in test equipment.

Aluminium | Miniature sensor | IP40

Industries:

ISB

25 - 100lb
optional TEDS enabled

Miniature S-beam sensors configured for both tension and compression measurment. Ideal for embedding in test equipment.

Aluminium | Miniature sensor | IP40

Industries:

UB1

1,000 - 10,000kg
GP // C1 // G3 // C3

A robust, high capacity s-beam load cell, suitable for both tension and compression measurments in trade-approved weighing.

Stainless steel | Hermetic seal | IP68

Industries:

UB6

75 - 500kg
GP // C1 // C3

A low capacity s-beam load cell that measures both compression and tension. Rugged with trade-approved performance.

Stainless steel | Hermetic seal | IP68

Industries:

ULB

100 - 5,000kg
GP // G3 // C3

An s-beam load cell with a vast range of capacities, measuring both tension and compression. Ideal for process plants.

Stainless steel | Potted seal | IP67

Industries:

UXT

50 - 7,500kg
GP // C3

A robust and reliable s-beam load cell. Suitable for both compression and tension, it is an economical alternative to the ULB.

Nickel-plated alloy | Potted seal | IP64

Industries:

Y1

50 - 5,000N
optional TEDS enabled

Miniature threaded force sensor configured for both tension and compression. Easy to embed into test equipment and machinery.

Stainless steel | Miniature sensor | IP64

Industries:

Y2

10kN - 50kN
optional TEDS enabled

Miniature threaded force sensor configured for both tension and compression. Larger capacity version of the Y1.

Stainless steel | Miniature sensor | IP64

Industries:

UT4

200lb - 1,000lb

A low-profile load cell capable of both tension and compression measurements. Designed for medical devices where vertical space is limited.

High-grade aluminium or Stainless steel | Central axis mounting | IP65

Industries:

Extensometer
Load Cells

VT1
Extensometer

A rugged exensometer designed for silo monitoring. Bolts to support leg to monitor elastic deformation under the load.

Electropolished stainless steel | Hermetic seal | Optional installation kit | IP68

Industries:

XT50
Extensometer

A bolt-mounted extensometer that measures the deformation of structures under load, such as elevators & chassis.

Stainless steel | Hermetic seal | Bolt-on | Low activation force | IP68

Industries:

Planar Beam
Load Cells

IAV M PAC PW WM TM

PB
3.75 - 375kg
GP // C3

A trade-approved, planar-beam load cell for use in ultra-low-profile weighing equipment.

Aluminium | Potted seal | IP65

Industries:

PBW
5.7 - 150kg
GP // C3

A trade-approved, planar-beam load cell for use in ultra-low-profile weighing equipment.

Aluminium | Potted seal | IP65

Industries:

ZLS
20 - 200kg
GP // g3

A stainless steel, planar-beam load cell suited to general measurment tasks offering low-profile and high accuracy.

Stainless steel | Potted seal | IP67

Industries:

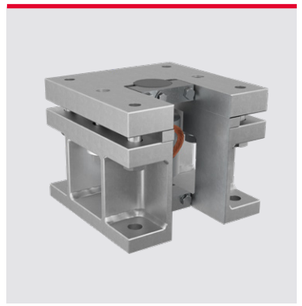
ZLB
20 - 200kg
GP // C1 // C3

A planar-beam load cell offering high accuracy and OIML certification. Bolt-hole compatible with SB8, SB6, SB61C.

Aluminium | Potted seal | IP67

Industries:

Hardware
Mounting



55-55
Load Mount

A symmetrical load mount, designed to be rugged and stable whilst allowing access on all sides. For use with compression load cells.

Steel or stainless steel | Symmetrical design | 7.5t - 300t

Compatible with:

RC3

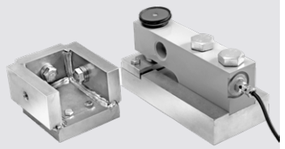
52-00
Base Plate

A base plate designed to ensure optimum weighing performance from a beam load cell.

Stainless or zinc plated alloy | Optional overload protection

Compatible with:

SB4 SB5 SB6 SB8 SB LB SB9 SB14



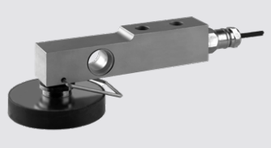
52-01HD
Weigh Module

A rugged weigh module designed especially for the high-capacity SB2 beam load cell, minimising overloads and sliding.

Painted mild steel | Optional overload protection

Compatible with:

SB2



52-02
Rubber Foot

A self-aligning foot with height adjustable shims. Designed to improve the weighing results for a number of beam load cells.

Zinc plated tool steel or stainless steel | Optional fixation plate

Compatible with:

SB4 SB5 SB6 SB8 SB LB SB9 SB14

52-05
Rubber Element with Flange

A self-aligning rubber element and mount, to ensure precise loading when subjected to vibrations and thermal expansion.

Zinc plated steel | High lateral compliance

Compatible with:

SB4 SB5 SB6 SB LB SB9 SB14

52-08
Rocker Pin

A rugged system for ensuring optimal load introduction. Suitable for high-capacity platforms and hopper scales.

Stainless steel | Guide installation pin

Compatible with:

SB4 SB5 SB LB SB9 SB14

52-10
Height-adjustable Rubber Foot

A self-aligning foot with the added feature of being height adjustable. Ideal for industrial platform scales.

Zinc-plated tool steel or stainless steel | Optional fixation plate

Compatible with:

SB4 SB5 SB6 SB LB SB9 SB14

52-13
Sliding System

A sliding system that offers excellent load introduction for hoppers, tanks and vessels. Both a 2- and 3-directional bumper version.

Stainless or zinc-plated steel | Optional weldments | Optional lift-off protection

Compatible with:

SB4 SB5 SB6 SB LB SB14

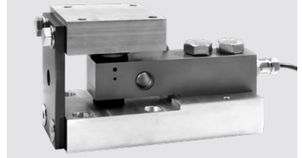
52-15
Height-adjustable Rubber Foot

A self-aligning foot with height adjustability. Acts to reinforce performance, mitigating the effects of artifact forces.

Stainless steel | Metric or Unified threads | Optional fixation plates

Compatible with:

BK2 SB8



52-18
Weigh Module (Rocking or Sliding System)

The most universal mount available, with variants to suit static weighing, mixing and adgitated vessels as well as high-accuracy.

Zinc-plated or Stainless steel | Optional overload an lift-off protection

Compatible with:

SB4 SB5 SB LB SB9 SB14

52-28
Weigh Module

A compact module designed to stabalise the lower capacity bending-beam cells. Lift-off and overload protection included.

Zinc-plated or stainless steel | Ball and socket | Integrated check-link

Compatible with:

SB6 SB8

52-31
Tension Adapter

A robust, self-aligning module designed to improve performance of load cells mounted to suspended tanks and vessels.

Zinc-plated steel | Suitable for 20kg - 10t

Compatible with:

SB4 SB5 SB6 SLB SB9 SB14

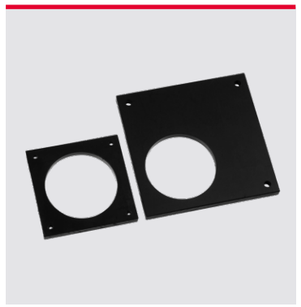
56-01
Dummy Support

A dummy support that offers an economic means of creating a tank or vessel weighing system.

Zinc plated mild steel or stainless steel | Optional welding plates

Height compatible with:

52-13 52-18



FX
Fixation Plates

Designed to secure the feet of platform scales, preventing movement during installation.

Black polypropylene | Symmetric or asymmetric versions

Compatible with rubber feet:

52-02 52-10 52-15

LM-SB8
Load Mount for SB8

A mount designed especially for the high-capacity SB8 beam load cell, improving load introduction.

Rubber and steel plates | Optional threaded or cone inerface

Compatible with:

SB8

53-04
Tension Assembly

A self-aligning mounting system for s-beam tension load cells. Ideal for use in suspended tank and vessel applications.

Zinc plated steel | Supplied earthing strap

Compatible with:

UB1 UB6 ULB UXT

55-01-07A
Rocker System

A self-aligning support mount for the RC1 load cell. Ensures optimum performance, ideallly suited to truck scale systems.

Zinc plated steel | Anti-rotation |

Compatible with:

RC1

55-01-07C
Rocker System

A self-aligning support for the RC3 and RC3D. Ensures optimum performance, ideal for truck scale systems.

Zinc-plated steel | Anti-roation |

Compatible with:

RC3 RC3D

55-01-07D
Rocker System

A low-profile mount designed for the lower capacity versions of the RC3 load cell. Ensures optimal weighing performance.

Zinc plated steel | Anti-roation

Compatible with:

RC3

55-01-07H
Rocker System

A mounting system for the RC3 and RC3D. Easy to install and maintain, ensures accurate performance in truck scales.

Zinc-plated steel | Anti-roation | Self-aligning

Compatible with:

RC3 RC3D

55-01-10
Weigh Module

A self-aligning support for rocker-column load cells used in hopper and tank weighing. Ensures accurate performance.

Stainless steel | Self-aligning | Integrated bump-stop and lift-off protection

Compatible with:

RC3

55-01-11
Weigh Module

A support mount designed for use with hoppers and tanks fitted with agitators. Integrated check link to offset oscillations.

Zinc-plated or stainless steel | Check link | Integrated lift-off protection |

Compatible with:

RC3

55-20
Weigh Module

A rugged support for rocker column load cells. Suitable for a wide range of tank and silo weighing systems.

Zinc-plated or painted cast mild steel | Integrated bumpstop & lift-off protection

Compatible with:

RC3

55-30
Weigh Module

A self-aligning support designed to help eliminate occilations caused by tank and hoppers that have agitators fitted.

Zinc-plated or stainless steel | Check link | Integrated lift-off protection

Compatible with:

RC3

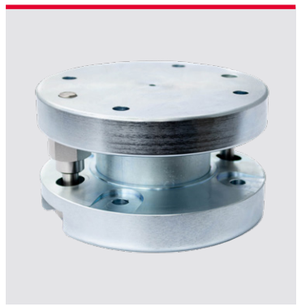
56-02
Dummy Support

A dummy support that offers an economic means of creating a tank or vessel weighing system.

Zinc-plated mild steel | Welding plates available

Compatible with:

55-20 55-01-10 55-07C 55-07D



66-20
Weigh Module

A support designed especially for the Q50 load cell used in sterile environments such as

Plated alloy or stainless steel | Easy clean | Integrated lift-off protection

Compatible with:

Q50

LM-PB
Load mount for PB / PBW

A load mount designed to improve load introduction and weighing accuracy for PB and PBW planar beams.

Zinc-plated steel & natural rubber

Compatible with:

PB PBW

LM-ZL
Load mount for ZLB / ZLS

A load mount designed to improve load introduction and weighing accuracy for ZLB and ZLS planar beams.

Zinc-plated steel & natural rubber

Compatible with:

ZLB ZLS

Quality and Precision.

Indicators
Electronics

DAD 141.1
Process Indicator

A powerful and economical indicator for weighing and filling as well as force measurement. OIML R76 10,000d certified. With Ethernet interface and analogue output.

Six-digit display | 600 measures/s | IP40

Industries:

DAD 142.2
Process Indicator

A powerful and economical indicator for weighing and filling as well as force measurement. OIML R76 10,000d certified. With Profibus interface.

Six-digit display | 600 measures/s | IP40

Industries:

DAS 72.1
Process Indicator

A fast, high-accuracy, DIN-mountable instrument for static and dynamic weighing.
Easy interfacing with a PC or PLC.

Five-digit display | 2,400 measures/s | IP40

Industries:

DAD 143.1
Weighing Indicator

A powerful and economical indicator for weighing, filling & force measurement. OIML R76 10,000d certified. With Profinet/EtherCAT/ EtherNet plus analogue output.

DIN mountable| max 600 updates per sec | Legal-for-trade | IP40

Industries:

FRD
Remote Displays

A family of three remote displays for use in various weighing applications. Red LED screens for use in bright environments.

Steel or aluminium housing | Six-digit display | Wall-mountable | IP65

Industries:

FT-10
Weighing Indicator

A comprehensive family of indicators for static weighing. Numerous communication protocols and certified to 10,000d and OIML R76 certified.

Multiple versions | 1600 measures/s | IP65

Industries:

FT-10 Fill
Weighing controller

An accurate and verstaile indicator designed specifically for automating filling applications. OIML R61 certified.

Stainless steel & aluminium | For filling, dispensing and packaging | IP65

Industries:

FT-10 Flow
Weighing controller

A precise dosing controller designed for trade-approved monitoring of flow rates and summing transported material. OIML R107 certified

Stainless steel | 1,600 measures/s | Configured for flow rate control | IP65

Industries:

FT-107
Weighing Indicator

General purpose indicators that are compact and lightweight. Essential functionality, OIML certified to 6,000d.

Plastic or stainless steel | Rechargible battery | Wide-angle LCD | IP65

Industries:

FT-111

Weighing Indicator

A multifunctional indicator for weighing and monitoring. An intutive menu, onboard memory and OIML R76 certified.

Stainless steel enclosure | Numerous interfaces | Analogue or digital load cells | IP67

Industries:

FT-111 P

Weighing Indicator

An alternate version of the popular FT-111 indicator, featuring a panel-type housing that is ideal for cabinet mounting.

Analogue or digital connections | Tactile keypad | Multipe interface options | IP67

Industries:

FT-30M

Onboad Weighing Indicator

A modular, plug-and-play indicator for onboard vehicle weighing. Din-mountable, accessory-rich and intuitive to use.

Microsoft embedded OS | Full-colour touchscreen | Suite of fuctions | IP30

Industries:

VR2

Handheld Display

A convenient, portable indicator for load cells and strain gauges with measurement rate up to 2,400 SPS. It supports TEDS and is ideal for calibration and monitoring in the field.

Water-resistant | Tactile buttons | Standard functions | 220h battery | IP64

Industries:

FT-150

Weighing Indicator

An indicator designed for vehicle weighing & labelling and data collection applications. Trade-approved according to OIML R76.

Stainless-steel enclosure | 7" LCD Touch Display | Multiple Interfaces | IP30 or IP67

Industries:

FT-112

Weighing Indicator

A high-precision, multifunctional terminal allowing dual-scale connections. Features SmartAPP and OIML R76 certified.

Stainless steel | Dual scale | Smart functions | Analogue or digital load cells | IP67

Industries:

FT-112 P

Process Indicator

An alternate version of the popular FT-112 indicator, featuring a panel-type housing that is ideal for cabinet mounting.

Analogue or digital connections | Tactile keypad | Multipe interface options | IP67

Industries:

FT-113 Fill

Weighing Indicator

A versatile indictor for filling and packaging applications. 12 modes, programmable keys and a range of fieldbus options. OIML R107 certified.

High-speed conversion | Tactile keypad | Smart filling algorithm | 12 filling modes | IP67

Industries:

Software

The Flintec Device Configurator (FDC) is a powerful Windows-based application designed for use with the EM100 and TR2 electronic modules. With FDC, you can easily calibrate, configure, and monitor your connected devices, supporting connections for up to four devices simultaneously.

Key features of FDC include:

- Multiple connection options: RS232, RS485, USB-CDC, or CANbus.
- Support for multiple devices: Connect and manage up to four devices at once.
- Auto-find feature: Quickly locate and connect devices with ease.
- Powerful real-time charts: Monitor device performance in real-time with comprehensive charting tools.
- Clone settings: Effortlessly replicate settings from one device to another.

Download the Flintec Device Configurator at flintec.com to enhance your device management and configuration capabilities

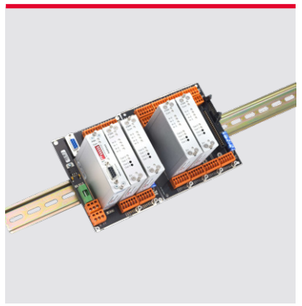
Digitisers
Electronics

MCS-08
Multi-channel Weighing System

State-of-the-art, multi-channel digitiser with high-resolution, standard functions, and optional modules for I/O, bus and display.

24-bit | DIN-mountable | 8 channels | 0.0015% accuracy | 800 measures/s | IP20

Industries:

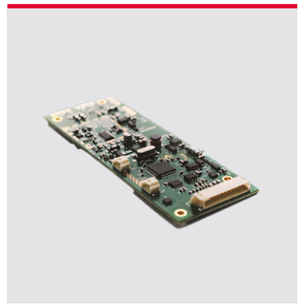


MCS-64
Multi-channel Weighing System

A 64-channel digitiser. Versions for automatic weighing, fluid filling and weight loss. Optional mods.

24-bit | DIN-mountable | 64 channels | 0.002% accuracy | 2,400 measures/s | IP20

Industries:



TR2
Electronics Module

A digitiser, tilt-accelerometer, and microcontroller designed for OIML approved systems.

24-bit ADC | 10-bit tilt-accelerometer | Up to 4 sensors | RS-232/485 | USB

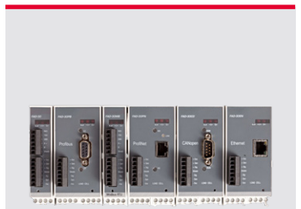
Industries:

EM100
Amplifier and 24-bit ADC module

High precision digitiser for general weighing, check-weighing, and filling, 1200 measures/s, OIML R76, R51, R61 certified.

24-bit | Legal-for-trade | CANopen | USB | RS-232/485 | Option: adapter board | IP20

Industries:

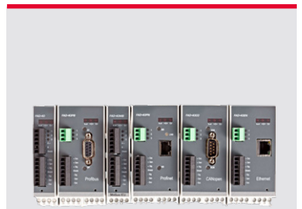


FAD-30
Analogue-to-Digital Converter

A high-accuracy digitiser for static and dynamic weighing. Supports numerous bus protocols.

24-bit | DIN-mountable | 800 measures/s | 0.0015% accuracy | up to 18 sensors | IP20

Industries:



FAD-40
Analogue-to-Digital Converter

A high-accuracy digitiser for static and dynamic weighing. Same functionality as the FAD-30 but with extra inputs/outputs.

24-bit | DIN-mountable | 800 measures/s | 0.0015% accuracy | up to 18 sensors | IP20

Industries:

JBE
Digital Junction Box

A digital junction box to connect four load cells in parallel. Two variants are available: a polyester or an aluminium enclosure. Designed for use with the EM100 electronics module.

Polyester or aluminium enclosure | EM100 support | Up to 4 sensors | IP66

Industries:

p.o.e

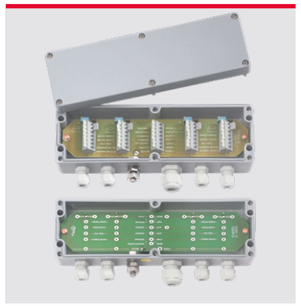
Junction Boxes
Electronics

KEK-4
Junction Box

A rugged styainless steel junction box, ideal for tough industrial conditions. Designed for four cells plus corner trimming resistors.

Stainless steel | 4 load cells | Clamped terminals | Corner trimming | IP65

Industries:



KP-KPK
Junction Boxes

A polyester junction box for up to four load cells. It comes in two versions; one with soldered terminals, the other clamped.

Polyester | 4 load cells | Soldered or clamped terminals | Corner trim | IP66

Industries:

KPB-4
Junction Box

Connect up to four planar-beam load cells via AMP connectors. Accurate corner trimming with 10Ω or 50Ω potentiometer.

Plastic with aluminium baseplate | AMP connect 4 sensors | Corner trimming | IP54

Industries:

ATEX
Junction Boxes

A range of ATEX-certified junction boxes suitable and safe for use in potentially explosive atmospheres.

Stainless steel, aluminium or plastic | 4/6/8 connections | Screw terminals | IP66

Industries:

KA-1 & 2
Junction Box

A simple junction box designed to make it easy to connect one or two load cells to electronic instrumentation.

Painted aluminium | 1 or 2 load cell | Screw terminals | IP66

Industries:

KA-KAK
Junction Boxes

A family of three junction boxes designed to connect 3 to 6 load cells. Robust and useful for a wide range of weighing applications.

Painted aluminium | 3/4/6 load cells | Soldered or clamped terminals | IP66

Industries:

KPF
Junction Boxes

Robust junction box available for 4, 6, 8, or 10 load cells. Ideally suited to outdoor applications such as truck scales and silos.

Polyester | 10 sensors | Surge-protected | Clamped terminals | Corner trim | IP66

Industries:

Amplifiers
Electronics

EA250
Analogue Amplifier

A high-performance amplifier and signal conditioner. Suitable for all strain-gauge sensors, and housed in a robust casing.

ABS plastic | Up to four 350Ω bridges | Voltage or current output | IP65

Industries:

FAA-26
Analogue Amplifiers

Accurate and economical amplifier that support a range of applications in process weighing and process automation.

DIN-mountable | 12× 1,000Ω sensors | Volt or Amp outputs | 3-step filter | IP20

Industries:

FAA-27
Analogue Amplifiers

Accurate and economical amplifiers that support a range of applications in process weighing and process automation.

DIN-mountable | 12× 1,000Ω sensors | Multiple output options | 3-step filter | IP20

Industries:

FAA-28
Analogue Amplifier

Accurate and economical amplifiers that support a range of applications in process weighing and process automation.

DIN-mountable | 18× 1,100Ω sensors | Multiple output options | 9-step filter | IP20

Industries:

Diagnostics
Electronics

LCS-1
Analogue Load Cell Simulator

Simulates the analogue signal produced by one strain-gauge load cell. Ideal for testing and troubleshooting systems.

Rugged ABS housing | 0 - 2mV/V adjustable output | IP40

Industries:

LCS-1D
Digital Load Cell Simulator

Emulates the input recieved from a single RC3D load cell. Ideal for testing and troubleshooting systems.

Rugged ABS housing | 0 - 40k counts adjustable output | IP40

Industries:

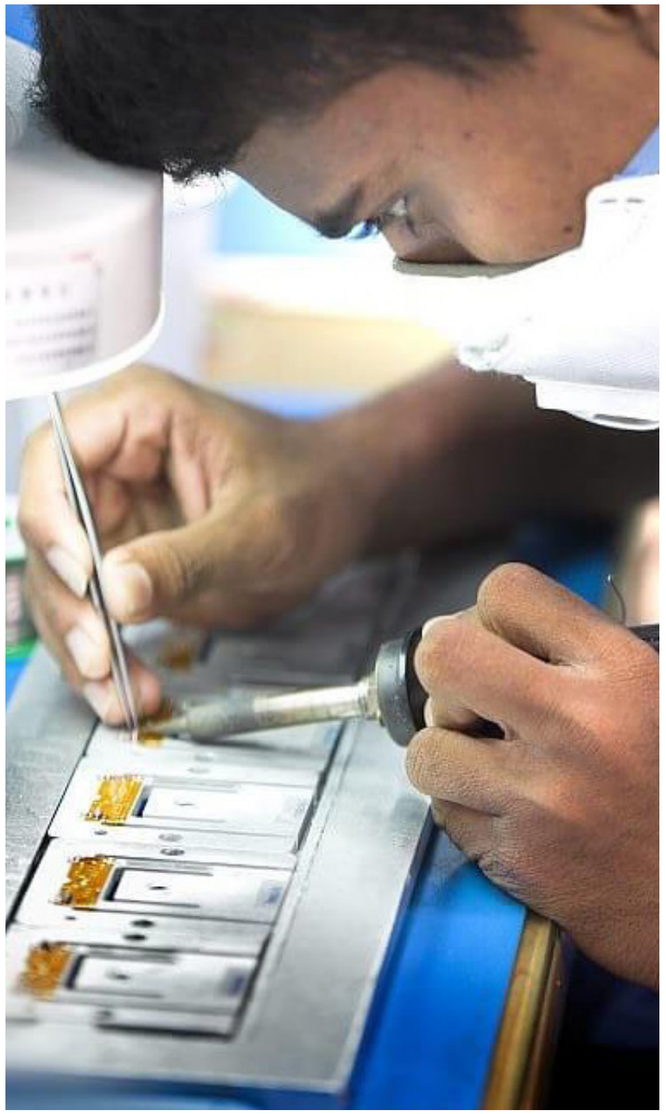
LCT-11
Load Cell Tester

A hand-held, battery-operated device for troubleshooting strain-gauge sensors. It provides useful diagnostic data to the user.

ABS Enclosure | 16-bit ADC | 16-digit display | 8-pin connector | IP40

Industries:

Services



Overview

We offer a range of services for the design and manufacture of made-to-order weighing systems. We can take care of everything, from electrical design, software development, approvals and production.

We support many of the world's leading blue-chip companies in developing systems for product manufacturing, inventory control, automation and consumer purchasing.

Project Process

Stages
Feasibility
Concepting
Quote Agreement
Design
Pre-production
Production

Capabilities

Mechanical Design

Capabilities	
3D Design & Modeling	✓
Generative Design	✓
Visualisations	✓
2D Drafting	✓
Rapid Prototyping	✓
Data Management	✓

Manufacturing

Capabilities	
Machining	✓
Heat treatment	✓
Strain gauge	✓
Surface finishing	✓
Medical devices (ISO 13485)	✓
Calibration	✓
Quality control (ISO 9001)	✓
Health and Safelty (OHSAS 18001)	✓

Regulatory Standards			
OIML	✓	CE	✓
NTEP	✓	GDPR	✓
ATEX	✓	ROHS	✓
FM	✓	FCC	✓
UL	✓	IC	✓
ISO	✓		

Electrical Design

Capabilities	
Analogue to digital conversion	✓
CAN-bus	✓
RS-485	✓
RS232	✓
USB	✓
SPI	✓
I2C	✓
Wireless	✓
EMC	✓

Legal Metrology

We have extensive experience in acquiring the relevant legal and regulatory requirements of our products.

Our familiarisation with the pplication processes and global test houses means we can facilitate a pain-free process of getting your product fit for the market.

Software Design

Langages			
C	✓	Python	✓
C++	✓	Perl	✓
C#	✓	HTML	✓
Java	✓	XML	✓
JavaScript	✓	JSON	✓
VBS	✓		

Interfaces			
RS-232	✓	SPI	✓
RS-485	✓	I2C	✓
Modbus	✓	Ethernet	✓
CAN	✓	Telnet	✓
CANopen	✓	HTTP	✓
J1939	✓	Wi-fi	✓
USB CDC	✓	Zigbee	✓
USB HID	✓	Bluetooth	✓

Simulation Analysis

Advanced Finite Element Analysis (FEA) by our skilled specialists offer actionable reports on product performance without the need for physical testing, which is faster, more efficient and more cost-effective.