



# CELMI s.r.l.

## COMPANY PROFILE

Celmi S.r.l. © 2024

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# CELMI – our background

- Celmi s.r.l has been in the field of static and dynamic weighing **since 1981.**
- The number of our clients has grown constantly: at the moment we sell our products to **more than 20 countries all over the world.**



We  
give the right weight to  
YOUR SUCCESS



## CELMI – our target

- Our target has always been to realize **high performing instruments with significant technological content**, capable of satisfying the most demanding clients.
- The objective has been reached combining **design techniques** that use all the **latest softwares** with **artisanal production processes**, which are controlled by the **quality system ISO9001**.



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# CELMI – our offer

Our offer includes:

- **load cell**, both standard and on demand
- ad hoc **electronic instrumentation**
- **electronic scales** and **pressure transducers**: in order to measure forces such as weight and pressure



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## CELMI – our offer

- All our internal processes are controlled and certified by the **quality system ISO9001** that ensures constant and reliable performances through the years.
- Our offer also includes the load cell with **integrated CANopen technology**, that can interface with all embedded systems equipped with this innovative communication protocol.



# CANopen



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# CELMi – load cells

Celmi s.r.l. offers a **wide range of load cells**, designed for any weighing need:

- **AVAILABLE TYPES:**
  - off-center
  - low profile
  - column
  - universal
  - shear beam
  - double shear beam
  - special types



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# CELMI – load cells: technical specifications

## CHARACTERISTICS:

- the construction is **watertight** to immersion
- completely **stainless steel**
- standard nominal loads: **from 5 Kg to 500 T**
- **high precision** (5000 divisions)
- **extreme torsional stiffness**
- welded with **microplasma**
- **Atex certification**



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# CELMI – load cells: where they can be used

## APPLICATIONS:

- packaging machines
- medical equipments
- steel plants
- oil & gas plants
- lifting systems
- nautical facilities
- automation



AUTOMOTIVE



NAUTICAL



INDUSTRIAL AUTOMATION



FOOD & BEVERAGE



OIL & GAS



PACKAGING



PAPER & TISSUE



LIFTING



STEEL PLANT



MEDICAL

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# CELMi – instruments and end products

Celmi s.r.l. can offer you a **wide range of instruments and end products**:

- **instruments**: indicators, weighing transmitters, process instruments
- **end products**: industrial scales (weighing-counting-weight/price), dynamometers, transpallets



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# CELMI – instruments and end products: technical specifications

## CHARACTERISTICS:

- **keyboard** interface 10 keys
- **LED and LCD** display
- **RS232 and RS485** serial output
- **stainless steel** on request
- **analog output**



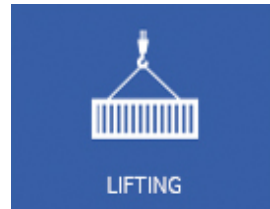
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# CELMI – instruments and end products: where they can be used

## APPLICATIONS:

- lifting
- medical equipments
- paper and tissue equipments
- automation
- test benches
- food & beverage



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# CELMI – pressure transducers

Our company is focused on **oem sensors** (own production and original) and **mems sensors** (intelligent systems typical of the microtechnology).

## AVAILABLE MODELS:

- pressure transducers
- pressure differentials
- Barometers
- piezoresistive sensors
- level sensors



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# CELMI – pressure transducers: technical specifications

## CHARACTERISTICS:

- wide range of compensation temperature:  $-30^{\circ}\text{C}$   $+85^{\circ}\text{C}$
- pressure range: 0 – 700kPa ...100MPa
- stainless steel 316L
- integrated LCD display
- units to be selected: psi, bar, Kg/cm<sup>2</sup>, o kPa
- compact sizes, low weight



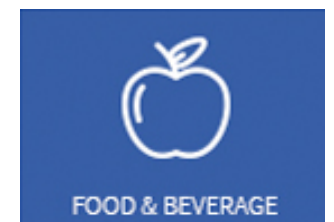
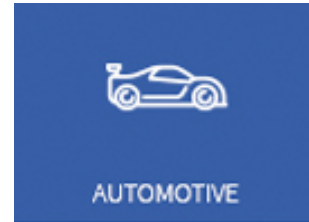
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# CELMI – pressure transducers: where they can be used

## APPLICATIONS:

- automotive
- packaging equipments
- medical equipments
- oil & gas
- food & beverage
- printing machines
- renewable energies



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## CELMI – can also offer you

A wide range of **accessories** useful for the correct usage of load cells, ad hoc projected for specific applications:

- **end products**: laboratory scales, counting and postal scales, weighing platforms, dynamometers for suspended loads, weighing transpallets and axle weighing
- **strain gages** of any kind, for any specific need, both standard and special
- **standard software** that can be matched with our appliances in order to guarantee an easy integration with the implant softwares



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CELMi – always with you

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