

INTERMERCATO®

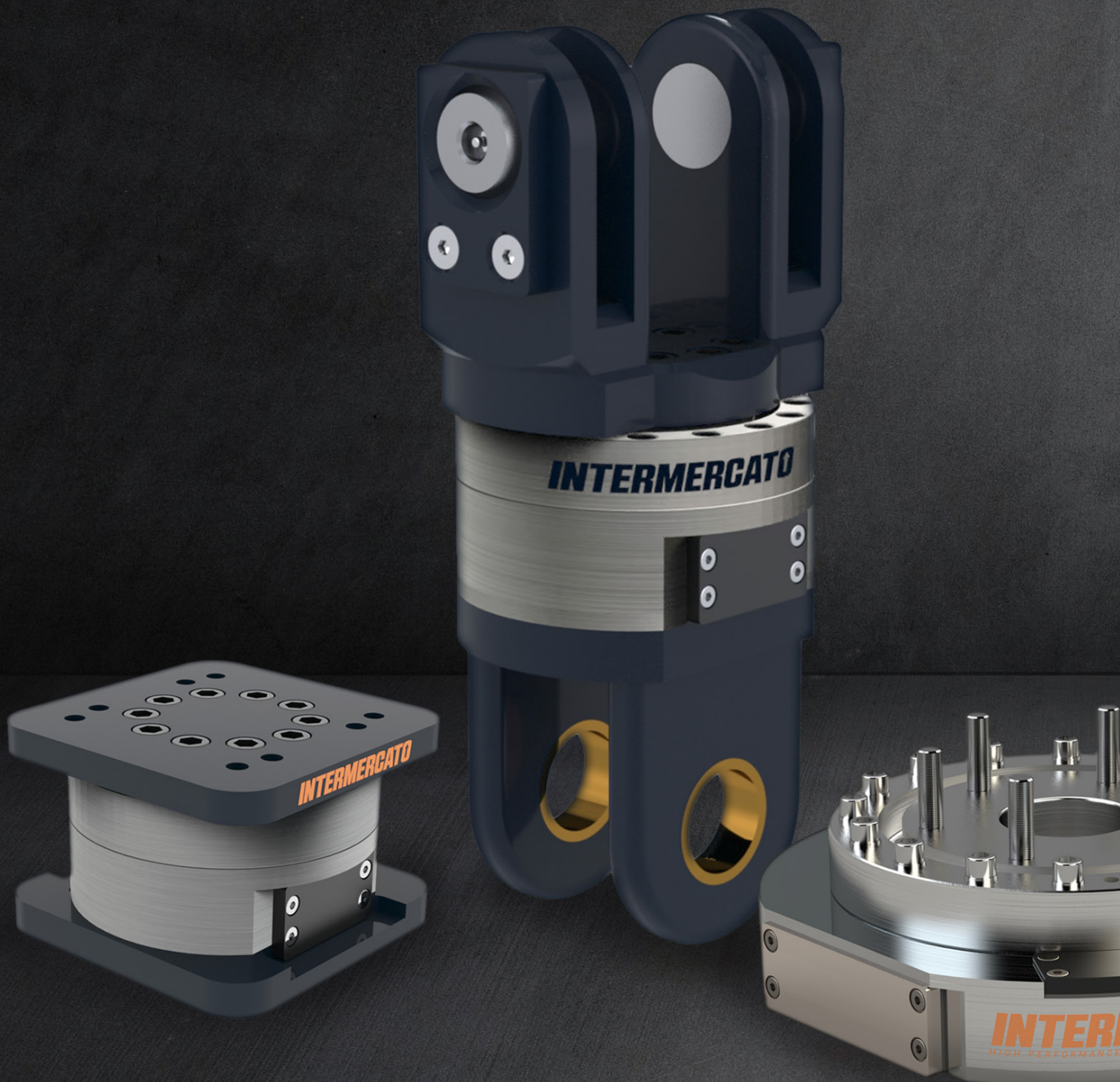
INTELLIGENT WEIGHING SYSTEMS

WIRELESS CRANE SCALE SYSTEMS



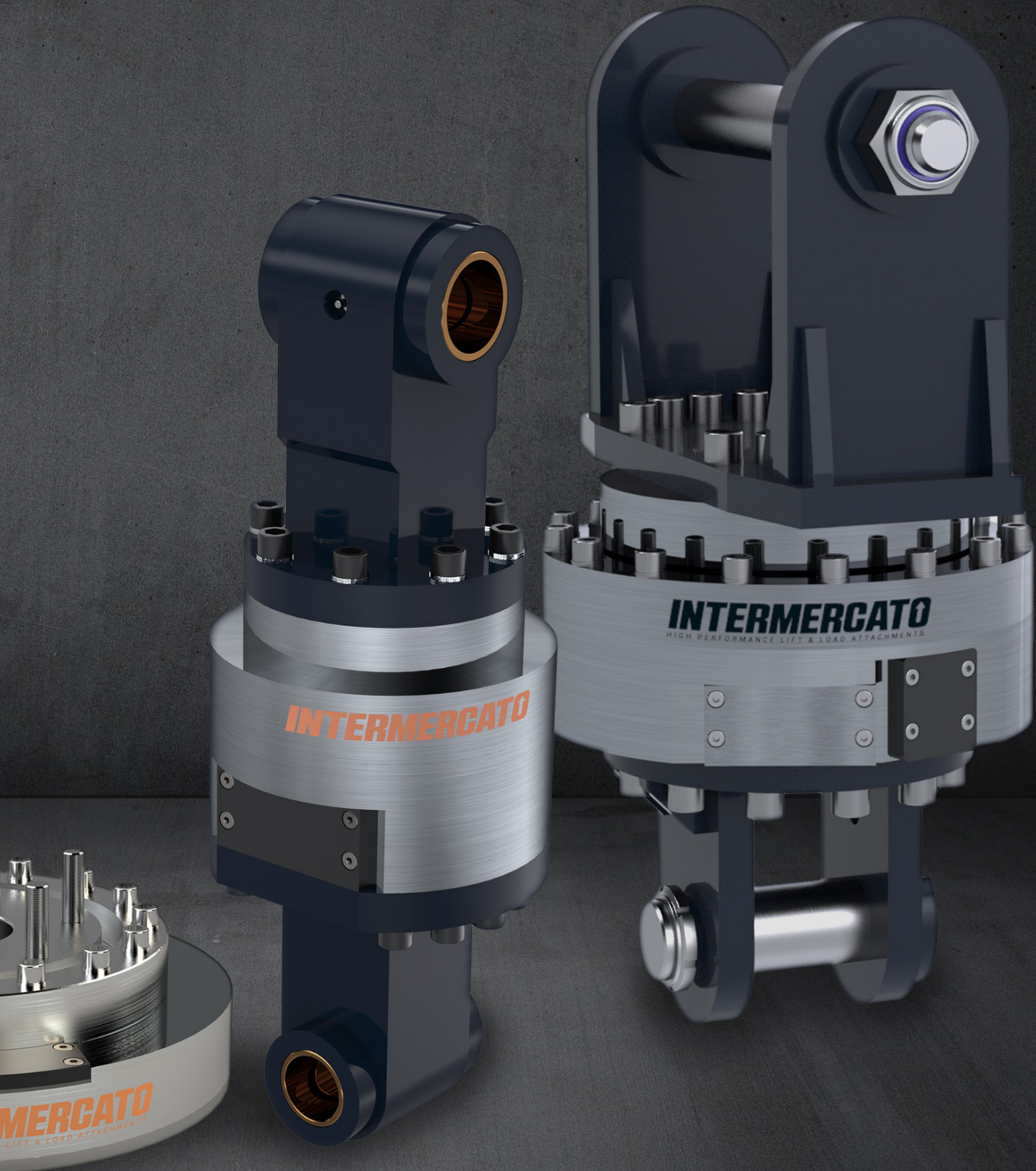
Intermercato leads the way with intelligent technology

Say hello to Intermercato Intelligent Weighing Systems - a revolution in dynamic weighing of hanging load. Intermercato's range of scales help you do more in less time. Using a unique algorithm, Intermercato IWS calculates weight load with the load in motion. The hardware is completely customizable with a modular design made to fit any load, any machine and any job. Intermercato IWS also connects wirelessly to Android devices giving you complete control over your data.





The system is legal for trade and certified according to MID for hanging load in motion. Your success starts with Intermercato Intelligent Weighing Systems.



Intelligent weighing

What is intelligent weighing?



Intelligent weighing means that once the scale has been activated, either automatically or manually, the scale takes over the weighing process.

When the scale has calculated a stable weight, the operator gets a signal to unload, and the weight is stored in the active memory bank in the App.

In-house production



Intermercato has complete control over each single part in the weighing system

The Intermercato Weighing App has been developed by in-house programmers.

The hardware and software for weight calculation has been developed by Intermercato

The load cells are produced in Intermercato's own workshop The complete scales are mounted, calibrated and tested by Intermercato's own specialists.

With full control over production we are able to optimize product performance and innovate quickly based on customer feedback.





Special features

All Intermercato scales are designed for dynamic weighing (weighing in motion)

Intermercato scales all have high resolution load cells, built-in accelerometer and specially designed algorithm for motion- & temperature compensation

All Intermercato scales have a European "legal-for-trade" Type Approval

All Intermercato scales are maintenance free, over dimensioned and highly resistant to corrosion

All Intermercato scales have built-in electronics and power supply

The power of Intermercato Intelligent Weighing Systems

Accuracy



Intermercato uses a unique algorithm, making them the only scales world certified as legal for trade for loads in motion. Using data from the load cell and accelerometer, hanging load weight is calculated 8 times per second for the most accurate reading.

Easy Installation



Delivered pre-calibrated, Intermercato scales are operational immediately after installation. The wireless scale hardware and prewired ComBox reduce installation costs to a minimum.

Rugged Construction



Made to withstand extreme conditions, weighing is insensitive to temperature fluctuations and the load cell is mechanically overload protected. All Intermercato scales are designed to withstand heavy overload, three times nominal weighing range. Intermercato makes scales with weighing range up to 50 ton.

Smart Interface



The Intermercato application has an easy-to-use interface made to help you work smarter and more efficient. The app comes in several versions depending on which type of data needs to be available or delivered. It includes several weighing modes designed for specific applications.

Analytics



Android application allows for flexibility in data management. Data can be directly printed, emailed or exported to a USB drive in .csv and .pdf formats. Data can be mined to identify opportunities, optimizations and best practices for your business.

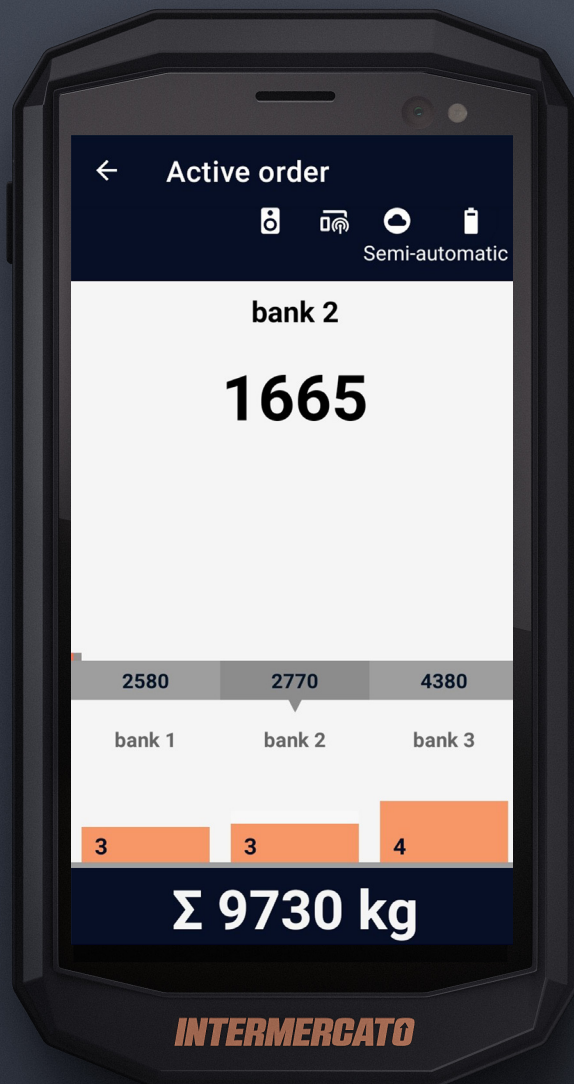
Wireless solution



Intermercato Weighing Systems uses 2,4 GHz radio frequency which is a worldwide license free frequency. Radio reach is 50 meter. Low energy radio link and high capacity rechargeable batteries for many hours of continuous operation.

Our top priority is that our clients can achieve their goals in the most advanced way possible.

Software for Android



Rugged mobile devices available

Choose between a waterproof Smartphone or Tablet (IP68).

Several weighing modes

Static, automatic, semi-automatic, container discharge mode.

Cloud solution

Cloud storage of weighing data.

Intuitive design

Easy to learn thanks to intuitive design.

Memory banks

Can be given alias according to requirements. Number of memory banks can be extended without limits.

Multilingual

File formats

.csv and .pdf

Open structure

Versatile, easily customized to interact with external administration programs.

GPS Positioning

GPS coordinates can be attached to the working order.



Software for Android devices provides an easy to use solution for managing your projects and getting the most out of Intermercato's scale technology.

With Intermercato's software you have access to advanced and versatile applications adapted to specific industries, including forestry, recycling, construction and transport.

Compact FM

Timber trucks
Forwarders



IWS Compact 50 F

- Measuring range: 5000 kg
- Perfect for recycling jobs, like container discharging
- Robust construction for mounting on clamshell buckets and polyp grabs
- Mounted between grab and rotator
- New ultra compact design
- No moving parts for high durability and minimal maintenance
- Integrated motion control
- Easy installation. Delivered pre-calibrated
- High resolution load cell. Several strain gauges for unmatched accuracy
- Wireless
- Rechargeable high capacity battery (350 crane hours between charging)
- Long range radio – 50 m
- Legal for trade
- Patented

Compact FR 5

Timber trucks
Forwarders
Recycling cranes
Cargo cranes



IWS Compact FM

- Measuring range FM 5: 5000 kg, FM 7: 7000 kg
- Extremely low built design
- No moving parts for high durability and minimal maintenance
- Mounted between grab and rotator
- Hose connection between rotator and grab through the center of the scale
- Easy installation. Delivered pre-calibrated
- Integrated motion control
- High resolution load cell. Several strain gauges for unmatched accuracy
- Wireless
- Can be combined with a swing damper
- Rechargeable high capacity battery (1000 crane hours between charging)
- Long range radio – 50 m
- Legal for trade
- Patented

INTERMERCATO[®]
INTELLIGENT WEIGHING SYSTEMS

Compact 50 F

Cargo cranes
Recycling cranes
Grapple loaders



IWS Compact FR 5

- Measuring range: 5000 kg
- Extremely low built design
- No moving parts for high durability and minimal maintenance
- Modular by design. IWS Compact FR 5 can easily be adapted to fit any crane and any rotator
- Easy installation. Delivered pre-calibrated
- Integrated motion control
- High resolution load cell. Several strain gauges for unmatched accuracy
- Wireless
- Rechargeable high capacity battery (350 crane hours between charging)
- Long range radio – 50 m
- Legal for trade
- Patented

Compact

MH 15

MH 25

MH 30/50

Material handlers between 20 and
300 t service weight
Port cranes



IWS Compact FR 10

- Measuring range: 10 000 kg
- Extremely low built design
- No moving parts for high durability and minimal maintenance
- Modular by design. Can easily be adapted to fit any crane and any rotator
- Easy installation. Delivered pre-calibrated
- Integrated motion control
- High resolution load cell. Several strain gauges for unmatched accuracy
- Wireless
- Rechargeable high capacity battery (1000 crane hours between charging)
- Long range radio – 50 m
- Legal for trade
- Patented

IWS Compact MH

MODEL SPECIFICATIONS



Compact MH 15	60	15 000
Compact MH 25	150	25 000
Compact MH 30	300	30 000
Compact MH 50	300	50 000

- Extremely low built design
- Overdimensioned design - measuring range x 3
- Modular by design. IWS Compact MH can easily be adapted to fit any grab and any machine
- Standard solutions for Sennebogen, Liebherr, Fuchs, CAT, Volvo, Doosan etc
- No moving parts for high durability and minimal maintenance
- Integrated motion control
- Easy installation. Delivered pre-calibrated
- High resolution load cell. Several strain gauges for unmatched accuracy
- Wireless
- Rechargeable high capacity battery (1000 crane hours between charging)
- Long range radio – 50 m
- Legal for trade up to 25 t
- Patented

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INTELLIGENT WEIGHING SYSTEMS

Compact FR 10

Small material handlers up to 22 t,
such as Sennebogen 817/818,
Liebherr H18/LH22,
Fuchs 310/320.
Log loaders of 20-30 tm
Very large cargo cranes



INTERMERCATO®

INTELLIGENT WEIGHING SYSTEMS



Forestry



Transport



Construction



Recycling

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