



**PCM M1500e**

**SRO TECHNOLOGY**  
**MODULAR WEIGHBRIDGE**  
**STEEL-CONCRETE**  
**OR**  
**FULL STEEL**

[www.srotechnology.com](http://www.srotechnology.com)

**WEIGHING A  
NEW WORLD**



# ABOUT

SRO Technology is thrilled to announce its new partnership with Balancas Marques, a renowned European weighbridge manufacturer hailing from Portugal.

Established in 1967, Balancas Marques has consistently strived to “Add value to the weighing world through Innovation & Excellence”.

Operating in over 35 countries, Balancas Marques produces a new weighbridge every six hours, showcasing its dedication to innovation & quality.

The company’s commitment to excellence was reaffirmed in 2023 once again when it clinched the prestigious “Best Weighing Company” & “Best Weighbridge in the World” titles, as recognized by Weighing Review (a Global Resource for the Weighing Industry). Recently in 2024 Marques have once again been awarded “Best Weighbridge in the World”.

Adapting to diverse markets, the Marques range has been meticulously re-engineered to meet the specific requirements of the Australian market, now fully compliant with local standards & recently granted full NMI (National Measurement Institute) Trade Approval.

SRO Technology is honored to join forces with such a reputable partner, offering the simplicity, adaptability, & seamless installation of the Marques Modular weighbridge series to the Australian market.

While proud of their own local manufacturing capabilities, SRO Technology recognizes the value of embracing international expertise to provide the Australian market with a versatile & customizable weighbridge solution.

With a focus on redesigning & engineering to tailor the product to the Australian needs, SRO Technology extends gratitude for the opportunity to introduce this globally acclaimed product as the Premier Modular Weighbridge choice in Australia.

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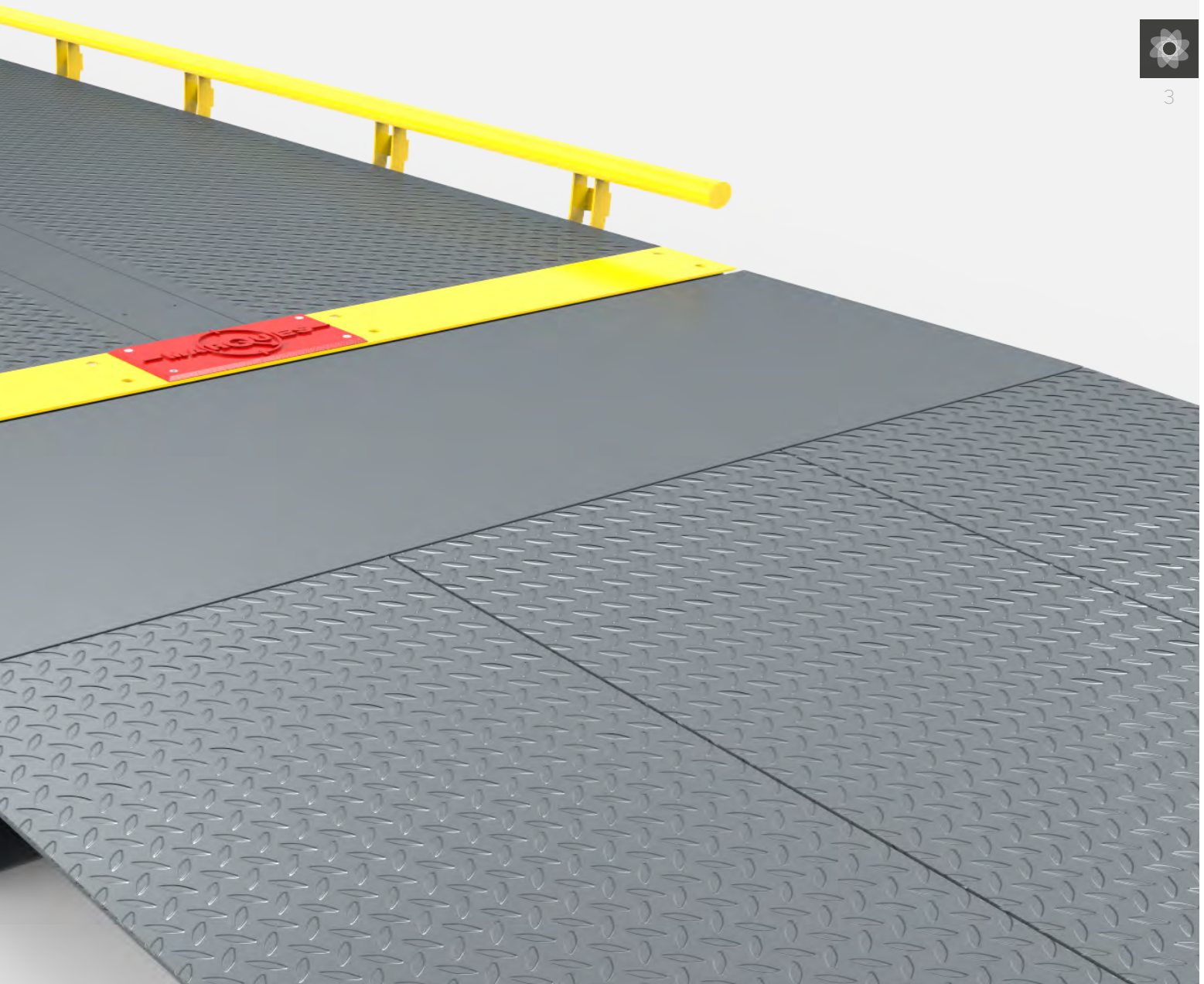
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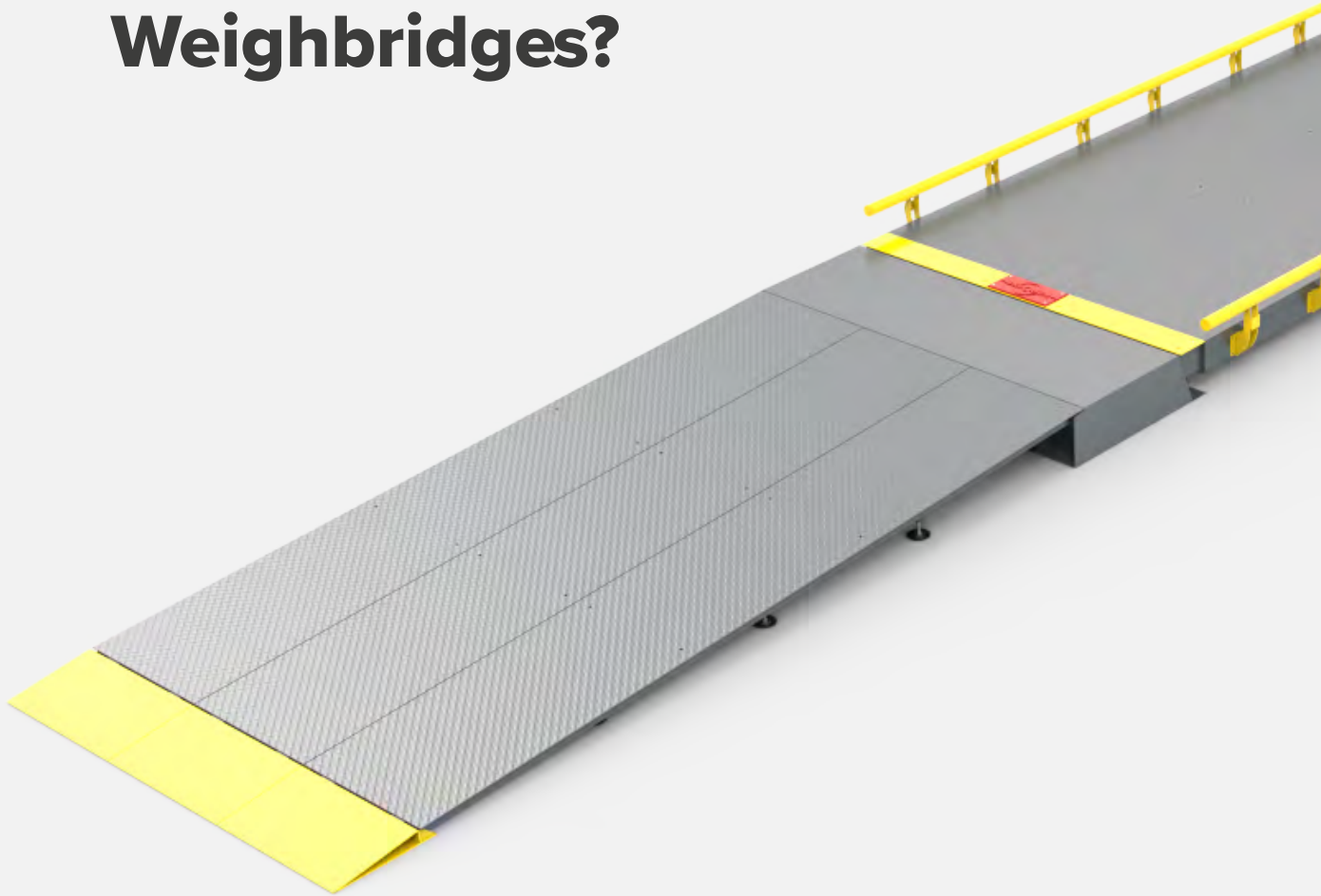
# Why Choose SRO Technology Modular Weighbridges?

These revolutionary weighbridges, with side by side modules and removable center grids, are designed for easier transport and assembly, while maintaining the same strength, robustness and reliability.





# Why Choose SRO Technology Modular Weighbridges?



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Fast Site Installation by standardized **STEEL / CONCRETE or FULL STEEL** modules with a width of 1,375mm, allowing the construction of platforms up to 56 meters long and 3.35 meters wide.

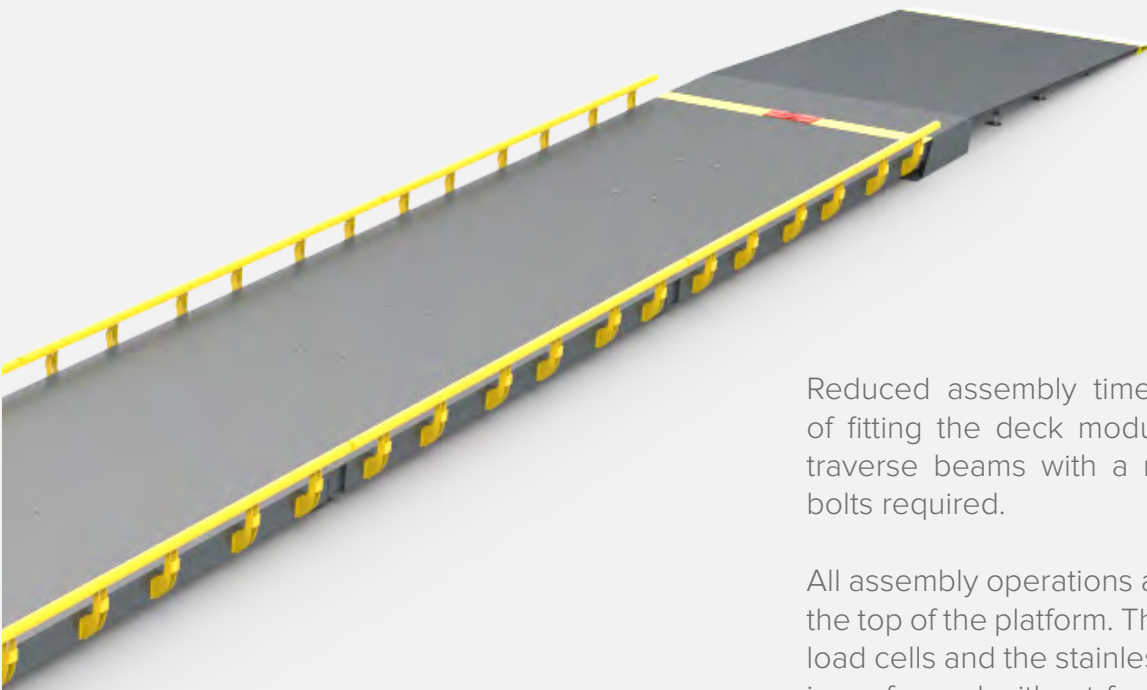
Structure with intelligent profiles, designed using the finite element calculation program (EMRC-NISA II) and fully welded by robot.

Bridge height of 400mm has been re-engineered specifically to meet Australian standards.

Simple and low-cost installation on the ground with access ramps, or built-in, with a pit of only 400 mm deep.

Removable central crosswalk of 600mm wide.





# Why Choose SRO Technology Modular Weighbridges?

Reduced assembly time due to the ease of fitting the deck modules directly to the traverse beams with a minimal number of bolts required.

All assembly operations are carried out from the top of the platform. The placement of the load cells and the stainless steel cup system is performed without fastening screws. The end and center traverse beams carry the load cells assembled from the factory.

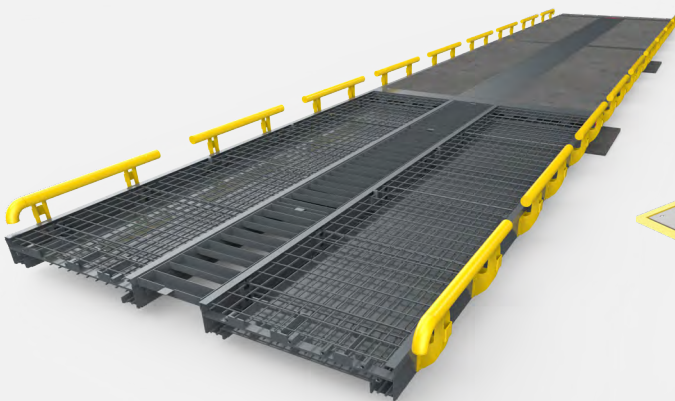
General wiring and connections then made onsite through pre-installed conduits. The PCM M1500e has upper covers to access the load cells and the summing boxes while also facilitating the cleaning and maintenance of the weighbridge.



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Below picture shows the deck modules before concrete with pre-installed reo bar and mesh ready for on-site pour

The Metal-Concrete modules are supplied without concrete requiring 40mpa concrete to be poured on-site.



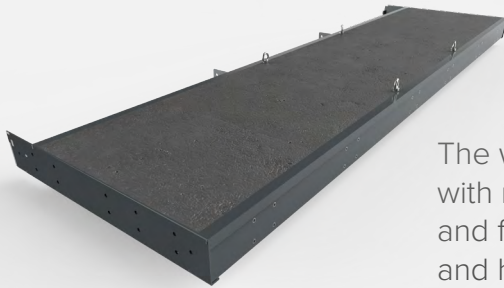
**Innovation | Excellence | Durability | Modularity | Precise assembly |  
Ease of installation | Ease of maintenance | Ease of mobility**

# SRO Technology Modular Weighbridge Components

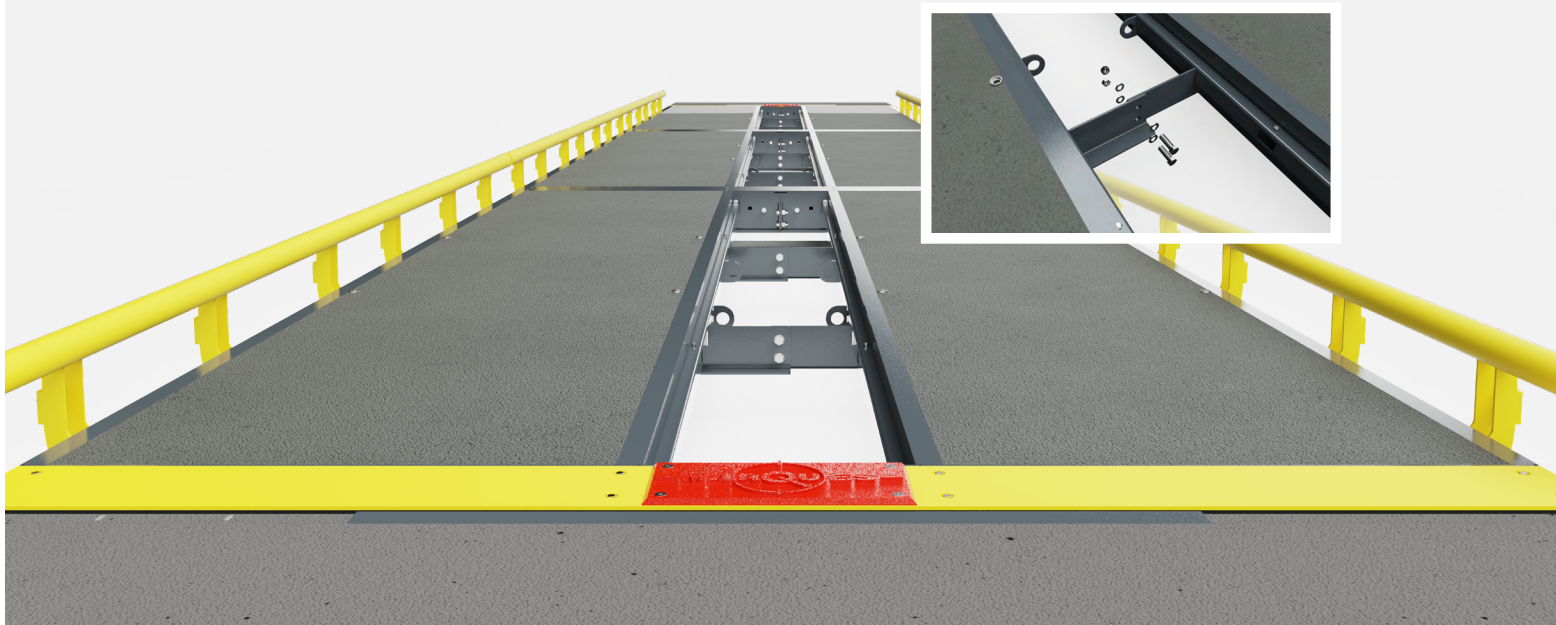


## 1 MODULES

The 1,375mm wide Deck modules are placed between the traverse beams and side by side at the installation site.



The weighbridge is equipped with mechanical centralisers and fasteners for safe transport and handling.



# SRO Technology Modular Weighbridge Components



## 2 TRANSVERSE BEAMS

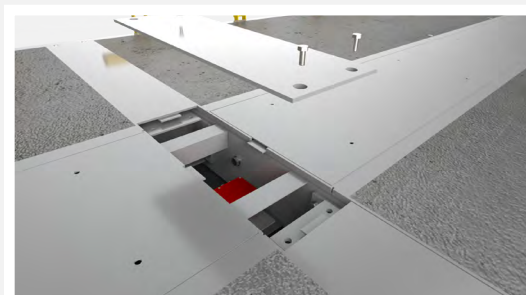
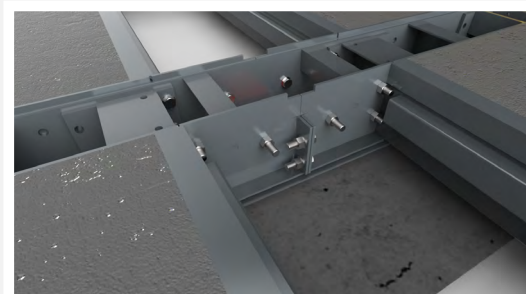
The weighbridge is made up of transverse beams, on which the load cells are already mounted and centered.



The SRO Technology Modular has a removable center crosswalk for easy access to the interior and easy maintenance. The load cell summing box is installed on one of the center plates.



The SRO Technology Modular can take from 4 - 20 Marques MC-CT load cells, depending on the length of the weighbridge.





# SRO Technology Modular Weighbridge Components



## 3 MARQUES MC-CT 30T LOAD CELLS

- Compression type load cell.
- Made of stainless steel construction
- With self-pivoting system.
- Insulation resistance : >5000MΩ.
- Hermetic sealing by laser welding, IP68
- Protection against electric shock.
- Uses anti-rodent cables.
- Supply voltage: 5-12VDC.
- Included accessories: 2 stainless steel cell holders, 2 seals and 1 copper mesh earth straps
- NMI Approval - S853



.....•  
**Made of stainless steel construction**

.....•  
They use a **mechanical locking anti-rotation mechanism** on the cell body instead of a pin, making them safer and more durable in the long run.

.....•  
**Anti-rodent cables.**

.....•  
**Analog cells IP68.**

.....•  
**More robust**  
Wider body, with same height as many others in the market..

.....•  
**Rubbers** to protect against debris, dust, etc., ensuring maximum sealing.



## BM400 TOWER



## 4 MARQUES INDICATORS

Touch-screen display with integrated ETVIS multifunction software for weighing management (visualisation, control, database and documentation).

## BM1000



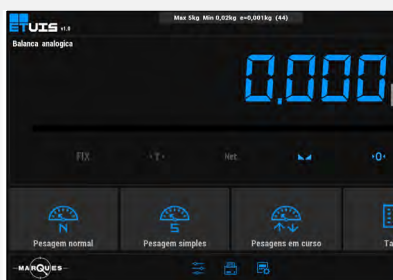
Display for connection without a printer, typically used on weighbridges connected to a computer with weighing management software. With or without an internal battery, the BM1000 is fully constructed of stainless steel and has IP54 protection.

## BM1000P

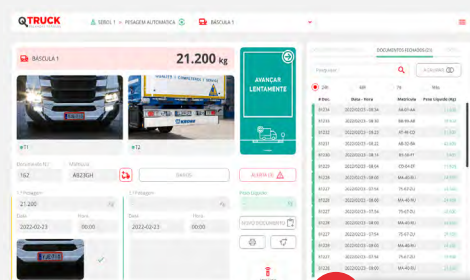


Display for connection without a printer, normally used on weighbridges connected to a computer with weighing management software. With or without battery, the BM1000P is completely covered in ABS, resistant to falls, accidents and waterproof.

## ETVIS - SOFTWARE



## QTRUCK - SOFTWARE



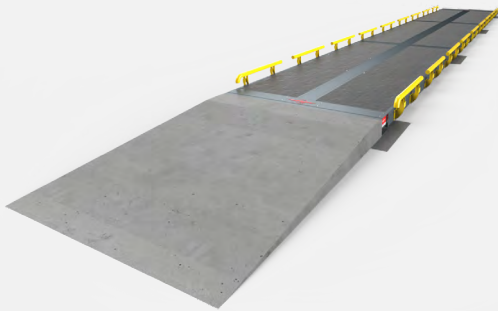
VIDEO

## SRO Technology Modular Weighbridge

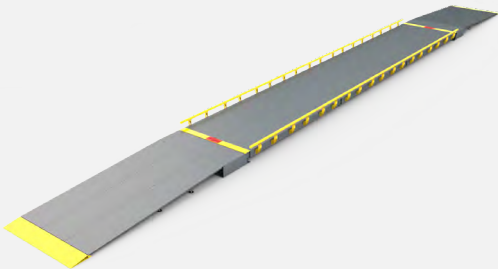
# Specifications



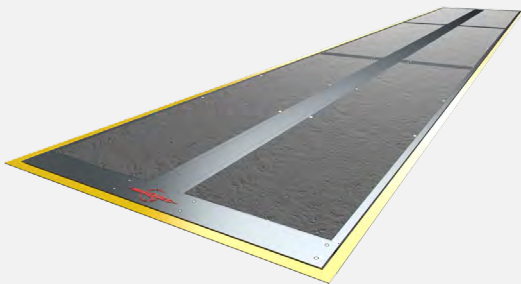
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**ABOVE GROUND**  
(Concrete ramps)



**ABOVE GROUND**  
(Metallic ramps)



**PITTED - BUILT-IN**

### TECHNICAL SPECIFICATIONS

#### SURFACE FINISH

Painted, with pickling by granulation to ensure a perfect adhesion of the primers and Epoxy enamels. Finish of the main structure with RAL 7046 enamel. It is also possible to paint with other colors.

*Full Galvanization also available.*

#### CONCRETE

40mpa Concrete infill to modules. Concreting to take place on-site. Two A500ER welded mesh layers installed prior to delivery.

#### LOAD CELLS

NMI Trade Approved Analog MC-CT 30t Stainless Steel, with IP68 protection.

#### LOAD CELL SUMMING BOX

Summing box made of aluminum, with for either 4, 6, 8 or 10 load cells.

#### LENGTH OF CELL CABLES

15 meter long Anti-rodent cables

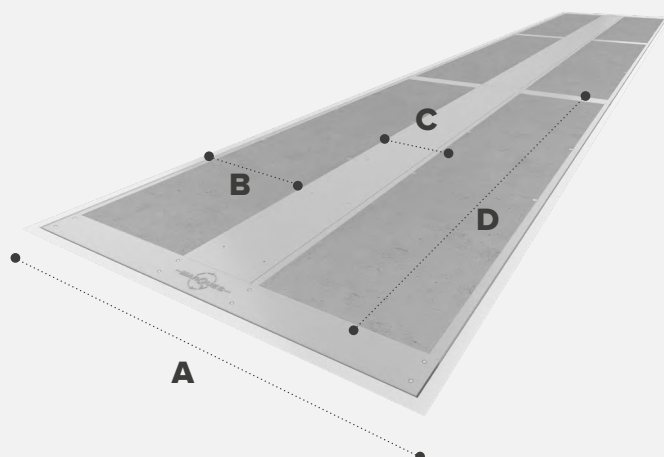
#### BOLTS

Quality High Tensile 8.8 zinc.

#### CENTRAL OPENING

Demountable grids of 600mm wide





PCM M1500e XL 400 CO	
<b>A</b>	3350mm
<b>B</b>	1375mm
<b>C</b>	600mm
<b>D</b>	3,657mm and/or 5657mm

## SRO MODULAR WEIGHBRIDGE | FULL STEEL

MODEL	DIMENSIONS (mm)	Nr. MODULES	Nr. CELLS	CAPACITY (kg)	WEIGHT (kg)
PCM M1500e XL 400 CO MT 4	4187x3350	2	4	30000	2346
PCM M1500e XL 400 CO MT 6	6187x3350	2	4	30000	3222
PCM M1500e XL 400 CO MT 8	8094x3350	4	6	60000	4512
PCM M1500e XL 400 CO MT 12	12094x3350	4	6	60000	6264
PCM M1500e XL 400 CO MT 14	14001x3350	6	8	60000	7554
PCM M1500e XL 400 CO MT 16	16001x3350	6	8	60000	8430
PCM M1500e XL 400 CO MT 18	18001x3350	6	8	60000	9306
PCM M1500e XL 400 CO MT 20	19908x3350	8	10	60000	10596
PCM M1500e XL 400 CO MT 24	23908x3350	8	10	60000	12348
PCM M1500e XL 400 CO MT 28	28017x3350	12	16	80000	15108
PCM M1500e XL 400 CO MT 32	32017x3350	12	16	100000	16860
PCM M1500e XL 400 CO MT 36	36017x3350	12	16	120000	18612
PCM M1500e XL 400 CO MT 40	39831x3350	16	20	120000	21192
PCM M1500e XL 400 CO MT 48	47831x3350	16	20	120000	24696



## SRO MODULAR WEIGHBRIDGE | STEEL - CONCRETE

MODEL	DIMENSIONS (mm)	Nr. MODULES	Nr. CELLS	CAPACITY (kg)	WEIGHT (kg)
PCM M1500e XL 400 CO 4	4187x3350	2	4	30000	1706
PCM M1500e XL 400 CO 6	6187x3350	2	4	30000	2136
PCM M1500e XL 400 CO 8	8094x3350	4	6	60000	3232
PCM M1500e XL 400 CO 12	12094x3350	4	6	60000	4092
PCM M1500e XL 400 CO 14	14001x3350	6	8	60000	5188
PCM M1500e XL 400 CO 16	16001x3350	6	8	60000	5618
PCM M1500e XL 400 CO 18	18001x3350	6	8	60000	6048
PCM M1500e XL 400 CO 20	19908x3350	8	10	60000	7144
PCM M1500e XL 400 CO 24	23908x3350	8	10	60000	8004
PCM M1500e XL 400 CO 28	28017x3350	12	16	80000	10376
PCM M1500e XL 400 CO 32	32017x3350	12	16	100000	11236
PCM M1500e XL 400 CO 36	36017x3350	12	16	120000	12096
PCM M1500e XL 400 CO 40	39831x3350	16	20	120000	14288
PCM M1500e XL 400 CO 48	47831x3350	16	20	120000	16008

## SRO Technology Scales Modular Weighbridge

# Accessories

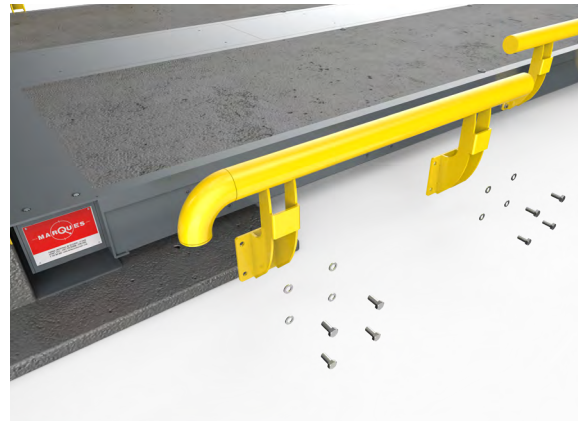


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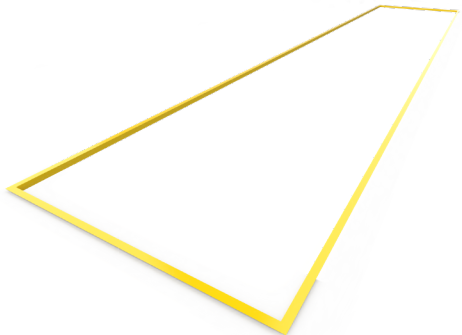
### **SIDE STEPS OFF DECK**

The steps are fixed in the same place as the side rail mounts.



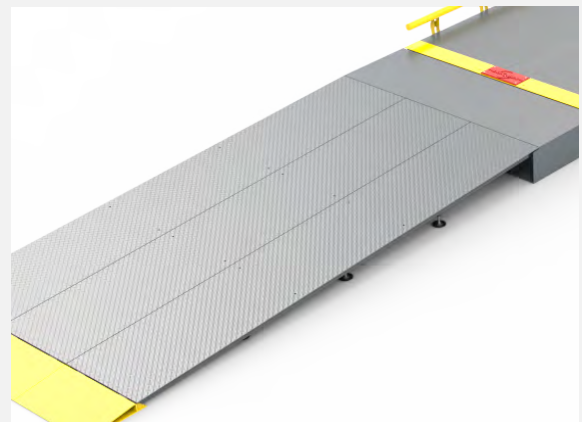
### **SIDE GUARDS - RAILS**

All the weighbridges have side guard mounting brackets. Rails made of 3" structural tubes with rounded ends.



### **CHASSIS FOR PIT INSTALL**

It can be supplied from the factory for installation during construction.



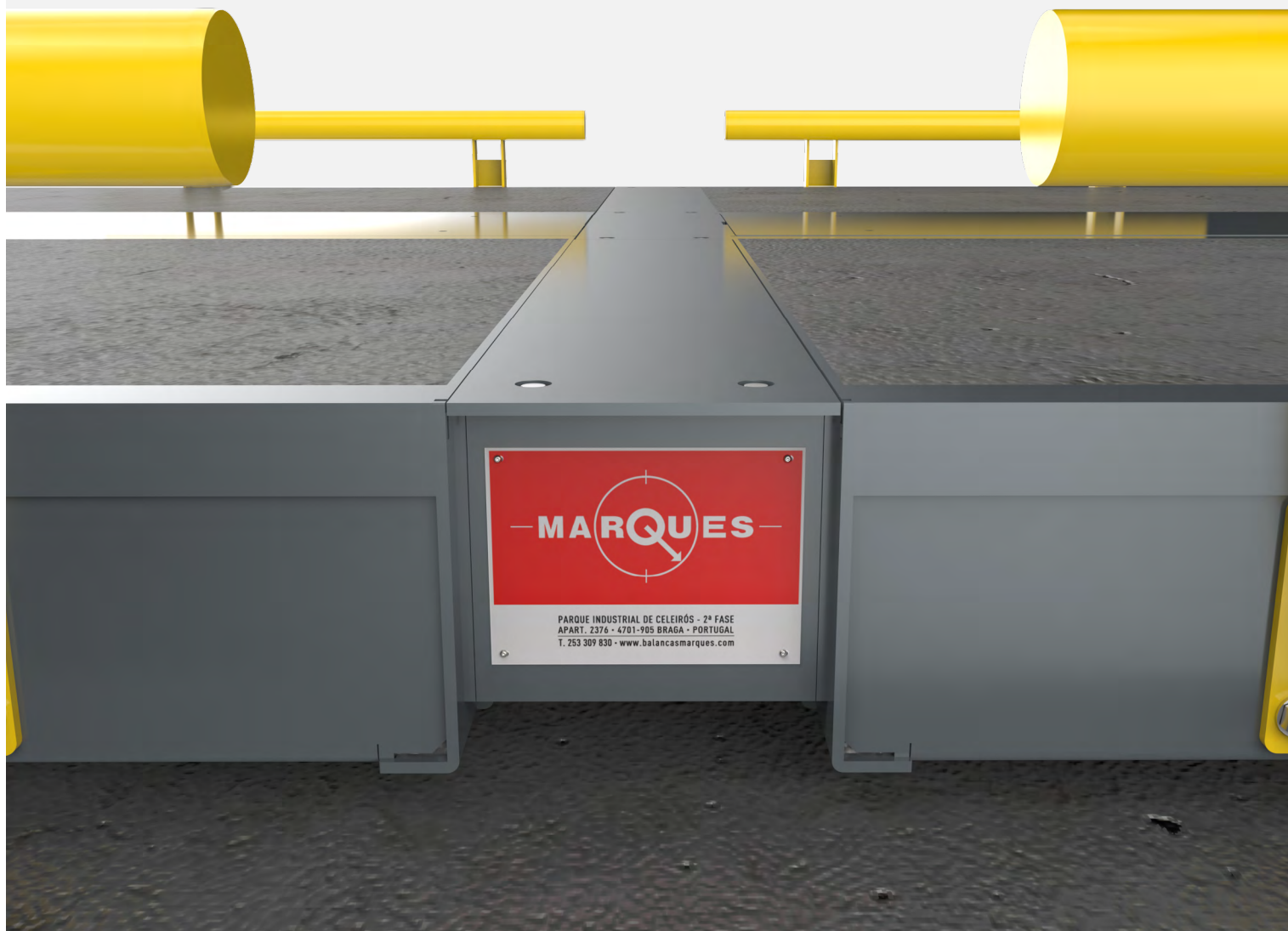
### **METALLIC RAMPS**

Optional to install 3 x metal ramps with 1m end abutments per end with the corresponding chassis.



**SRO TECHNOLOGY**  
Solutions in Measurement

**THANK YOU!**  
**WEIGHING A NEW WORLD**



Call **SRO Technology** today!

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