



by



WEIGHBRIDGESMART
S O L U T I O N S

**MYSICAL IS THE NAME TO CHOOSE
WEIGH-IN AND WEIGH-OUT
AND YOU'LL NEVER LOSE**



Your smart choice for **MYSICAL** management



INTRODUCTION

MYSCALE by Weighbridge Smart Solutions

Grainline introduced **ON-FARM** weighbridges into its product range in February 2013 after the sale of GRAINTEST AUSTRALIA (GTA Solutions). Weighbridge Smart Solutions acquired the weighbridge division from Grainline in 2017 and rebranded in 2020 to **MYSCALE**.

We have designed a wide range of weighbridge models to meet almost every need in different markets.

- All our weighbridges structure are calculated using **FINITE ELEMENT ANALYSIS (FEA)**. **FEA uses mathematical models to understand and quantify the effects of real-world conditions on a part or assembly.**
- All our Weighbridges are calculated to withstand up to 120 tons load according to DIN 8119 specifications and manufacturing standard to ISO 9001 ensuring quality workmanship. They receive very thorough blast-cleaning to SA 2.5 and are covered with high quality primer and final paint coating.
- All of our Weighbridges DIY range have Australian National Measurement Institute (NMI) pattern approval for trade. **Certificate number NMI6/10B/88.**

Myscale DIY Steel Constructed Weighbridges

- All-steel modular construction allows for easy transport and assembly on site.
- Module design allows for quick and easy relocation and takes MYSCALE weighbridges to the next level.
- Practical access to load cells and junction box, by removable covers.
- DIY scales offer a 24 month warranty period.





9M AND 10M LENGTHS

| Model | Length | Width | Height | Capacity Static Weight | Load Cells | Pattern Approval No. |
|---------|--------|-------|--------|------------------------|------------|----------------------|
| WSS-90 | 9m | 3m | 0.4m | 60t | 6 | NMI 6/10B/88 |
| WSS-100 | 10m | 3m | 0.4m | 60t | 6 | NMI 6/10B/88 |



18M AND 20M LENGTHS

| Model | Length | Width | Height | Capacity Static Weight | Load Cells | Pattern Approval No. |
|---------|--------|-------|--------|------------------------|------------|----------------------|
| WSS-180 | 18m | 3m | 0.4m | 80t | 12 | NMI 6/10B/88 |
| WSS-200 | 20m | 3m | 0.4m | 80t | 12 | NMI 6/10B/88 |



27M AND 30M LENGTHS

| Model | Length | Width | Height | Capacity Static Weight | Load Cells | Pattern Approval No. |
|------------|--------|-------|--------|------------------------|------------|----------------------|
| WSS-270/30 | 27m | 3m | 0.4m | 120t | 18 | NMI 6/10B/88 |
| WSS-270/35 | 27m | 3.5m | 0.4m | 120t | 18 | NMI 6/10B/88 |
| WSS-300/30 | 30m | 3m | 0.4m | 120t | 18 | NMI 6/10B/88 |
| WSS-300/35 | 30m | 3.5m | 0.4m | 120t | 18 | NMI 6/10B/88 |

Load Cells

Load cells are a very important components in a weighbridge. MYSCALE Weighbridges will only supply the world's very best.

Flintec pioneered the concept of the single column compression load cell – the RC3 load cell is renowned for accuracy, reliability, robustness, weatherproof and durability. MYSCALE weighbridge have 6 x 30-ton capacity loads cells. The rocker column design ensures that the optimum weighing accuracy is achieved when subjected to scale deck movement. Fully hermetically sealed and constructed from stainless steel made in Germany, the RC3 is most reliable in all-weather conditions.

Australian National Measurement Institute Trade Approval Number: NMI S 695 for trade use.



Weighbridge Digital Indicator

Model LD5218 or Similar in Enclosed Dust Proof Case.

The LD5218 is a **powerful alphanumeric terminal**, designed for weighbridges, inventory control, and other demanding weighing applications.

The extended keyboard includes alphanumeric and functional keys, for easy data entry and setup.

A 16-character dot-matrix **LCD display** supports the required user interface in complex industrial applications.

LD5218 software manages various transactions allowing choices of customer, material type, or truck identification. Documented records of all daily activities are maintained in memory and made available for computer reporting.

For accuracy class III

Large Outdoor Display for Truck Scales

One display is supplied in standard kit.

This remote display is an outdoor truck scale remote display of the highest quality with full stainless-steel body with IP65 standard, which is the world's first ultra-light LED display that has a **viewing angle of 170 degrees** and is crystal clear directly under sunlight. The remote display offers unmatched flexibility with its smart data recognition system compatible with indicators from major international indicator brands.

PLEASE SPECIFY IF YOU REQUIRE TWO OUTDOOR DISPLAYS. This is necessary if weighbridge is accessed from both ends.



Printer

Printer technology dot matrix.

- Drop in and print paper loading: lift the lid, drop in the roll, and close the lid and print
- Logic seeking, bidirectional print technology allows higher speed than the previous models with much less noise built in power supply
- High operational reliability: the market proven quality by world installation provides you option of an auto cutter and take-up, and the ability to print one original plus two copies
- The receipt printer is compact, reliable, and fast, and offers all of the easy-to-use features important to the Grain Grower and **ON-FARM** storage complex.



WEISERHAR PASTORAL
PO BOX 84
RUPANYUP VIC 3388
TEL 0428 504 544

Time: 17:42
Date: 05/09/2013
ID Number: 3
CROP: 1 WALT BARLEY

| | |
|--------------|----------|
| Axle 1 Gross | 16240 kg |
| Axle 2 Gross | 17440 kg |
| Axle 3 Gross | 16240 kg |
| Total Gross | 49920 kg |
| Tares | 17000 kg |
| Net Weight | 32920 kg |

FOUNDATIONS



Foundation Levels

We recommend concrete foundations for **TRADE APPROVED WEIGHBRIDGES**. We supply a full set of drawings with each weighbridge and highly recommend you select a concreter in your area to do the foundations.

Three foundation levels available:

- **Pit or below ground level**

Advantages: Less road base required for approach and departure. For trade approval weighbridge approach and departure must be the length of your longest truck.

Negatives: Drainage of water is essential. Although load cells are reasonably waterproof it is not advisable to submerge load cells under water.

- **Pitless or above Ground**

Advantages: Less earth works. Although storm water drainage is still important, water will flow around 200mm pad. *Negatives:* More road base or above ground fill is needed. Height of fill 600mm above ground.

- **Semi-pit or between Pit and Pitless**

Advantages: Halfway between Pit and Pitless. No extensive earth works required and less fill is needed +/- 400mm.

IMPORTANT: Allow 28 days curing time for concrete before full use.



POWER, DELIVERY, OFFICE

Electrical Power Requirements

240V AC in site office.

We supply Australian electrical specifications details with each weighbridge and highly recommend you select a competent electrician that understands your electrical supply for your area OR we can quote you for electrical installation.

Off grid power: Got no power to weighbridge site?
NO PROBLEM, we can supply and install for you.



Delivery and Installation

The design of our weighbridges allows for low-cost installation fees.

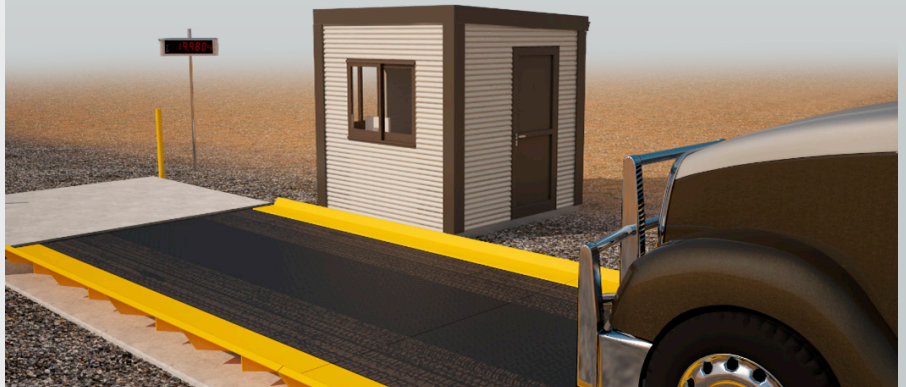
Normal installation time 8 to 10 hours at \$100/hr once on site.

Delivery cost \$4.00/km (one way) from Wagga Wagga NSW 2650.

Weighbridge Office

Ready to go, options:

- Power points
- Insulated
- Air Conditioned (optional)



Distributed by:

Weighbridge Smart Solutions, Wagga Wagga NSW 2650

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Added technology only available in Australia



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