

# FORCE 2 & 4

## Semi Portable Static & Dynamic Axle Weigher

Proven To Be The World's Toughest Mining Truck Scale

Chile, South America



Utah, America

Underground Mine, Laverton, WA, Australia



FORCE 2

The **FORCE** series of portable and fixed mining dump truck scales represents the pinnacle of weighing technology for off-road heavy haulage applications. Designed for precision and durability, each system is built to optimise accuracy and withstand the toughest conditions.

Available in both fixed and portable configurations, FORCE consists of 2 or 4 individual weigh pads, allowing it to measure each wheel, axle group, and total dump truck weight with ease. Its modular design enables seamless configuration to accommodate any make and model of mining haul truck.

Additionally, the FORCE series offers an optional feature to monitor employee travel and productivity times, enhancing operational efficiency.

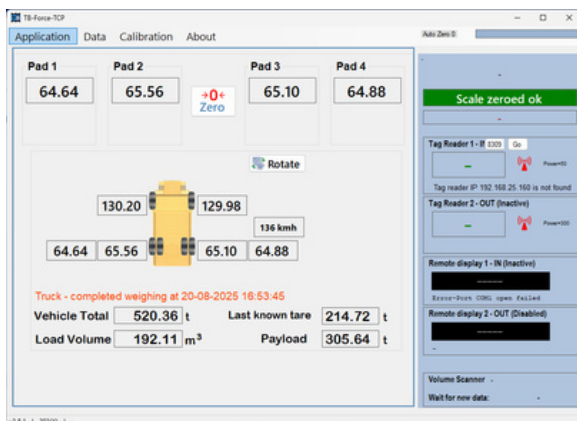
Each system includes:

- ✓ A touchscreen PC controller housed in a portable weatherproof case or
- ✓ A PC-based system loaded with Trakblaze's reliable, user-friendly software

The total truck weight is accurately calculated by summing individual wheel and axle loads, with results displayed in real time on the PC interface.

Experience unmatched precision, flexibility, and durability with FORCE – the trusted solution for mining haul truck weighing.

The FORCE 2 & 4 is easy to install, with training available from Trakblaze's highly skilled engineers via Zoom or on-site. It's essentially a do-it-yourself product



FORCE Software with Volumetric Scanning



PC based controller with built-in printer in carry case

Approx. dimensions 58cm x 45cm x 28cm



FORCE being tested and calibrated at site with a portable test press unit



Weatherproof outdoor electrical cabinet

## Load Sensors

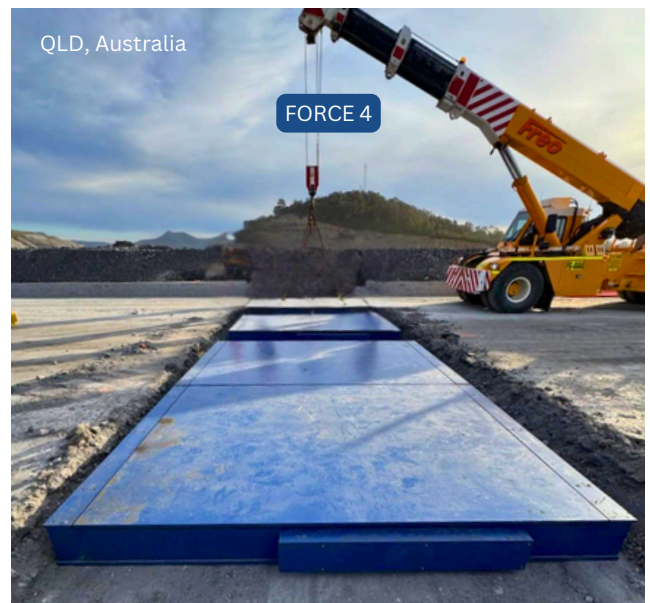
Each hi-technology weigh pad incorporates multiple heavy duty temperature compensated load cells. The strategic positioning of these sensors within the pad allows for off-center wheel loads to be measured accurately and with a safe overload sufficient to deal with the inertia and shock effects of a loaded mining truck braking on the weigh pad.

## Accuracies

Accuracies of approx.  $\pm 0.05$  in static mode and  $\pm 0.5\%$  in dynamic (in-motion) mode (Gross Vehicle Mass). This is achievable dependent upon the site conditions and the operator.

## Calibration

Each FORCE system is factory calibrated prior to shipment. We also offer an optional in-field portable calibration test press unit, which can be used at site by local service personnel.



Note: These are the same electronics & software used in our high speed 80 km/h govt. trade approved train weighing systems.

## TECHNICAL DATA

### FORCE 4

Nominal Pad Size L x W x H	330cm x 200cm x 30cm
Weighing surface area	300cm x 200cm
No. of Pads	2 or 4
Load Cell Type	100t
No. of Cells per Pad	6
Individual Pad Capacity	150t
Total Axle Capacity	300t or 600t

## TECHNICAL DATA

### FORCE 2

Nominal Pad Size L x W x H	230cm x 150cm x 25cm
Weighing surface area	200cm x 150cm
No. of Pads	2 or 4
Load Cell Type	40t
No. of Cells per Pad	4
Individual Pad Capacity	50t
Total Axle Capacity	100t or 200t

Note: Subject to change without notice. Images are for illustration purposes only. Speeds and accuracies may vary based on site conditions and vehicle operation.

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T: +61 (0) 3 9318 9277

info@trakblaze.com

www.trakblaze.com

5 Mareno Road, Tullamarine,  
Victoria, Australia 3043

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