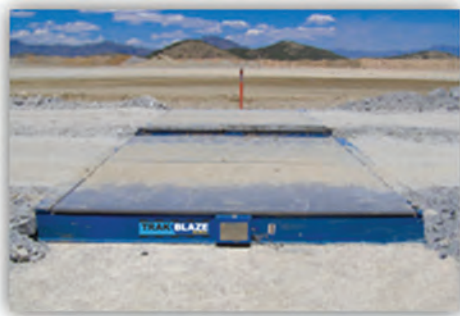


"Unbeatable speed and accuracy up to 12 kph!"

Over 88 Years of Innovation

# FORCE

## The World's Toughest MINING TRUCK SCALE



The range of FORCE portable and fixed mining dump truck scales are the ultimate in weighing technology for off road heavy haulage applications. Each system is designed to optimize accuracy and efficiency of use and built to last! Unlike a standard full deck weighbridge, the FORCE is a portable system made up of a combination of individual weigh pads which measure the load on each wheel of a dump truck. The modern modular design enables the FORCE to be configured to weigh any make and model of mining haul truck.



In addition the FORCE series can even monitor your employees travel and productivity times (optional).

The FORCE system features either a touch screen PC controller mounted in a weatherproof enclosure or a PC based rack system loaded with Trakblazes proven and reliable software that is user friendly to accurately measure the load on each wheel either statically or in-motion up to an unbeatable 12 kph\*. The total truck weight is then derived from the summation of the individual wheel and axle loads and displayed on the PC interface.



Approx. Dimensions  
58cm x 45cm x 28cm

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

PC based controller with  
built-in printer in carry case

**TRAKBLAZE**  
MINING, RAIL, ROAD & AIRCRAFT WEIGHING SYSTEMS

\*depending on site conditions

# FORCE - 2

## TECHNICAL DATA

Nominal Pad Size L x W x H	2000mm x 1500mm x 250mm
No. of Pads	2 or 4
Load Cell Type	40t analogue
No. of Cells per Pad	4
Individual Pad Capacity	50t
Total Axle Capacity	100t or 200t

# FORCE - 4

## TECHNICAL DATA

Nominal Pad Size L x W x H	3000mm x 2000mm x 300mm
No. of Pads	4
Load Cell Type	100t analogue
No. of Cells per Pad	6
Individual Pad Capacity	150t
Total Axle Capacity	600t



### Load Sensors

Each weigh pad incorporates multiple heavy duty "OIML approved" 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.



### Accuracy

Accuracies of  $\pm 0.05$  in static mode and  $\pm 0.5\%$  in dynamic (in-motion) mode approximately, are achievable dependent upon the site conditions and the operator.



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

### 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.*



*Instructional Video*



MINING, RAIL, ROAD & AVIATION WEIGHING SYSTEMS

Over 88 Years of Innovation

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