

# FAIRBANKS®

## MATRIX SERIES CONFIGURABLE TRUCK WEIGHING SYSTEM



Fairbanks' Matrix truck weighing system challenges conventional truck scale design with its revolutionary modular approach to obtaining legal-for-trade vehicle weights in low-volume weighing applications.

### UNIQUE SCALE CONCEPT FEATURES COST-SAVING DESIGN

*Is it always necessary to buy a full-length truck scale when the axles and tires of most highway vehicles require only 20 to 25 feet of total scale length?*

Until now, the only option was a full-length scale. Thanks to the Matrix, many truck scale operations now have a choice.

The Matrix is a new configurable truck weighing system that reduces cost by utilizing steel scale platforms only under each set of truck scale axles and incorporating concrete modules (dead spans) between scale platforms. The ultra-low-profile Matrix is designed for installation on a level, unyielding surface, thereby eliminating cost associated with building a foundation or pit.

### MATRIX FEATURES

- Ultra-low 6" profile.
- Foundation not necessary for most installations.
- Can be configured to weigh most highway vehicles.
- Single day installation — Easy to move/relocate.
- Acquires legal gross weight and individual axle weights.
- Typically requires less real estate than full-length scale.

### BUILD THE MATRIX YOUR WAY

Matrix steel platforms are 10 feet wide and come in standard lengths of 7, 10, 14, 17 and 20 feet. Configuring multiple platforms with variable length, steel-framed concrete dead span modules allow the system to be customized to fit a broad range of loading scenarios.

### WIDE RANGE OF APPLICATIONS

The Matrix is right for truck scale applications with anticipated daily weightings of 50 trucks or less. Here are a few examples of industries and applications that could benefit from the savings, convenience and flexibility of a Matrix system:

- Moving and shipping
- Warehouse facilities
- Filling operations
- Light manufacturing
- Equipment weighing
- Manufacturing operations
- Service companies

### SPECIFICATIONS

Weighing platforms:

Standard width . . . . .	10 feet
Standard lengths . . . . .	7, 10, 14, 17, and 20 feet configurable with dead span modules to achieve desired weighing system length
Capacities . . . . .	60 ton to 135 ton
CLC . . . . .	60K and 80K
Design . . . . .	Orthotropic, open bottom
Construction . . . . .	Structural steel
Approvals . . . . .	NTEP CC No. 07-069

Dead span Modules:

Construction . . . . .	Composite concrete
Frame . . . . .	Structural steel and Nelson studs
Required fabrication . . . . .	Field pour concrete

Load cell data:

Capacity . . . . .	50,000 lbs
Type . . . . .	Rocker column
Material . . . . .	Stainless steel, 17-4 PH (1.458)
Protection . . . . .	Complete hermetic sealing
Resistance . . . . .	1,000 ohms
Output . . . . .	2.0 mV/V
Approvals . . . . .	NTEP CC No. 97-078; Factory Mutual
Accessories . . . . .	Ramps, remote displays, indicators, traffic signals, unattended terminals

### QuickFacts™

Models and specifications subject to change without notice.  
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Call toll-free for the Fairbanks representative nearest you:

**(800) 451-4107**

Internet Address: <http://www.Fairbanks.com>