Technology Comparison Report
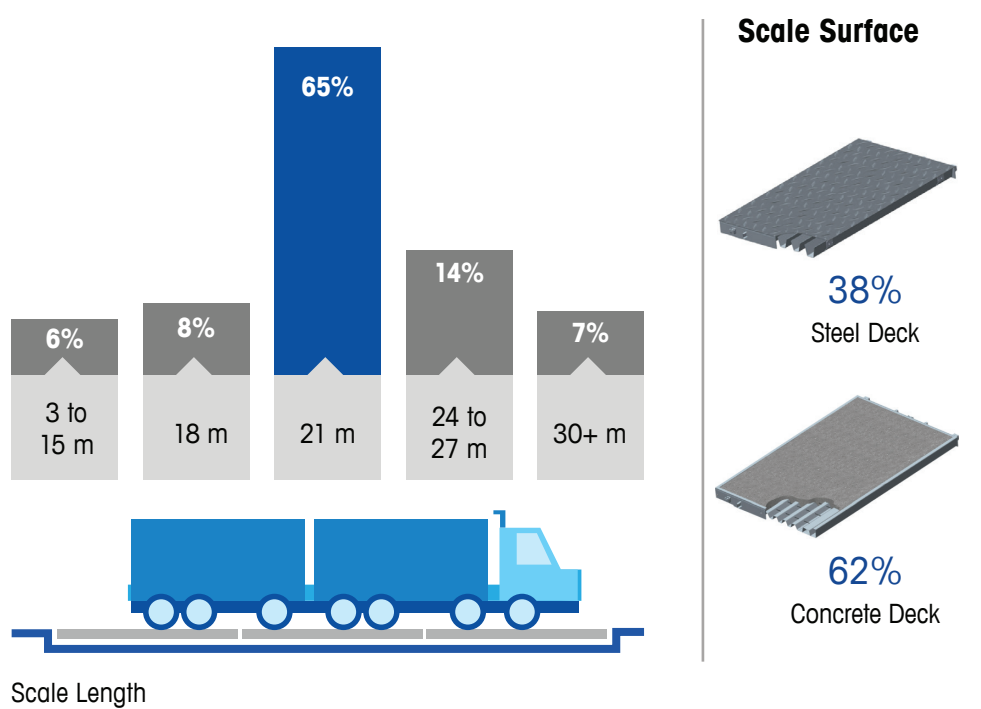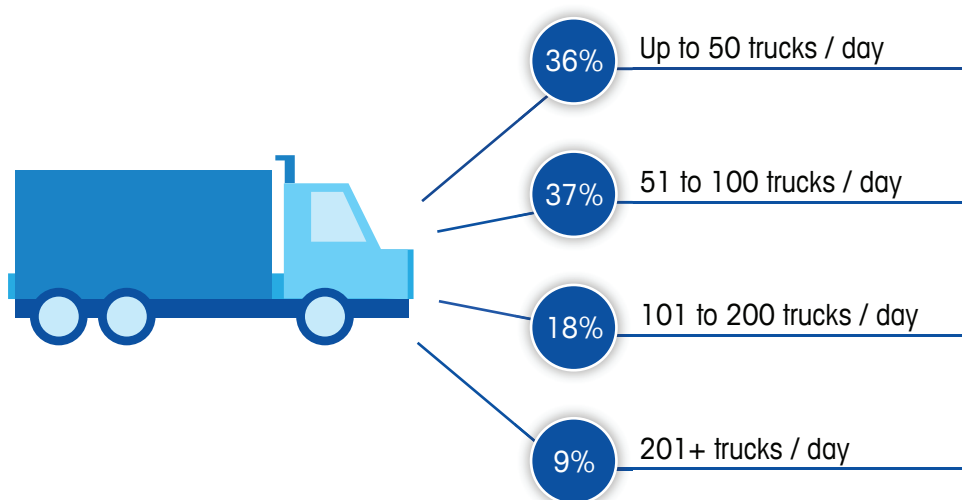
What do the numbers say about your weighbridge?

For the past 4 years METTLER TOLEDO's certified technicians have been collecting data from the nearly 6,000 sites we currently service. The compilation of this data gives us a unique view in to the condition of the scales we service, including competitor scales.

The below statistics are the result of nearly 35,000 service records collected.
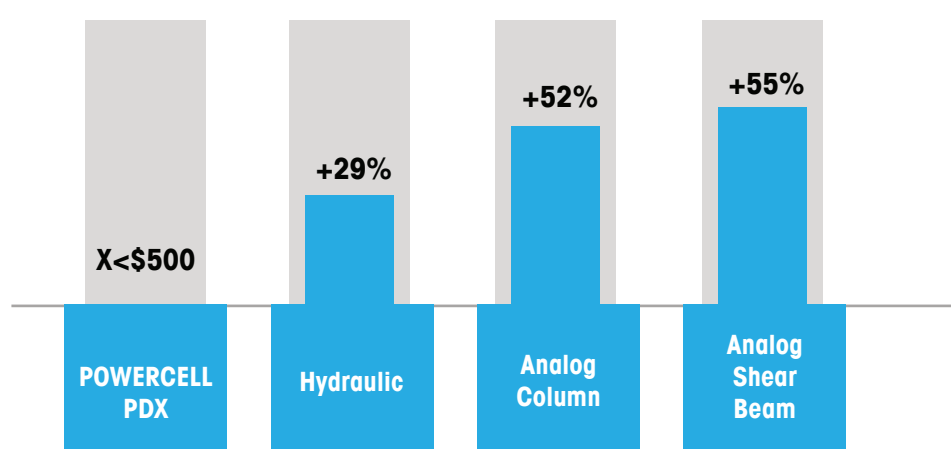
All Industry Demographics

When considering the purchase of a new truck scale, there are many factors that come in to play. Elements such as trucks per day, material being weighed, maximum truck length and local climate all influence the product that will be best for your operation. Here we have totaled the averages from truck scales we service around North America.

Average Trucks / Day

- **36%** Up to 50 trucks / day
- **37%** 51 to 100 trucks / day
- **18%** 101 to 200 trucks / day
- **9%** 201+ trucks / day

Scale Length

6%	8%	65%	14%	7%
3 to 15 m	18 m	21 m	24 to 27 m	30+ m

Scale Surface

38% Steel Deck

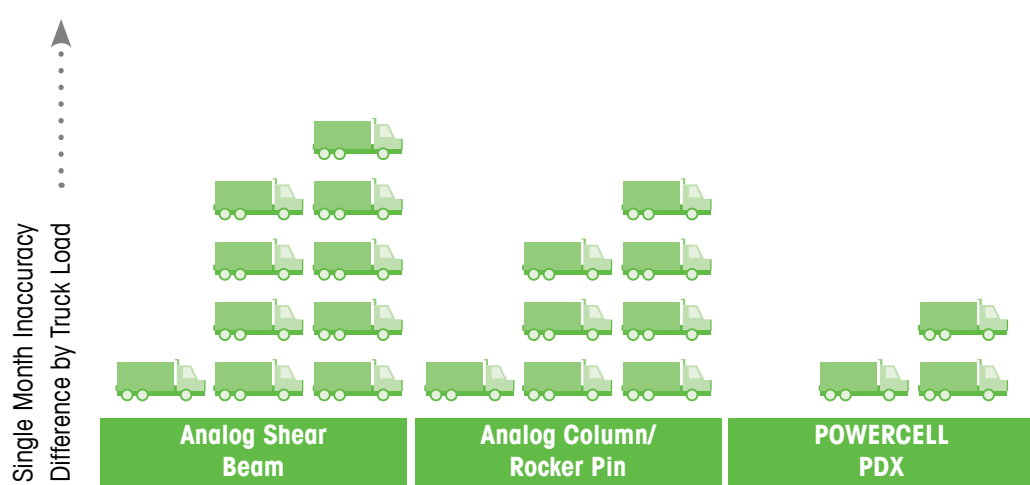**62%** Concrete Deck

Average Annual Repair Spend

A truck scale is an investment that should last for 20+ years of heavy duty use. However, selecting the wrong technology can lead to significant annual repair costs. Our service data shows that POWERCELL® PDX® has the lowest total cost of ownership by keeping the repair spend low, and the reliability high.
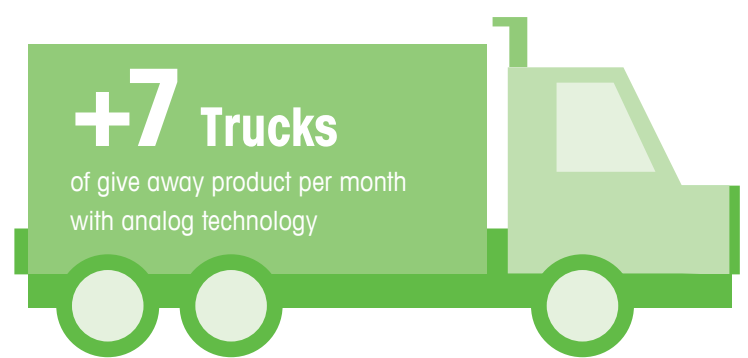
- **X<$500** POWERCELL PDX
- **+29%** Hydraulic
- **+52%** Analog Column
- **+55%** Analog Shear Beam

more spend on repair **+55%**

*Service records showed that repair spend on a scale could range from $250 to $5,000 annually.

Business Impact of Inaccuracy

Are you giving away product with every truck load? Even the smallest amount of inaccuracy can add up overtime. Choosing the right load cell technology can limit your exposure to product giveaway and/or poor inventory control. The below chart is based on actual accuracy data to show what truck scale owners just like you are giving away each month.

Single Month Inaccuracy Difference by Truck Load

- Analog Shear Beam
- Analog Column/ Rocker Pin
- POWERCELL PDX

+7 Trucks of give away product per month with analog technology

*Based on 100 trucks per day, 20 working days in 1 month

Industry Specific Accuracy

Annual Weights + Measures certification of a scale does not ensure long-term accuracy. From +35,000 service calibration tests METTLER TOLEDO has statistically valid measurements of long-term scale performance across the major truck scale industries.

Industry	POWERCELL Sensors	Analog Load Cell		POWERCELL Sensors	Analog Load Cell	Industry
Aggregate Industry	9%	26%	% Found Outside Legal Tolerance	9%	21%	Waste Industry
	+/- 100 lb. (+/- 50 kg)	+/- 280 lb. (+/- 140 kg)	Accuracy Range (95% of Scales)	+/- 118 lb. (+/- 59 kg)	+/- 288 lb. (+/- 144 kg)	
Chemical Industry	10%	27%	% Found Outside Legal Tolerance	8%	24%	Bulk Food Industry
	+/- 94 lb. (+/- 47 kg)	+/- 292 lb. (+/- 146 kg)	Accuracy Range (95% of Scales)	+/- 98 lb. (+/- 49 kg)	+/- 300 lb. (+/- 150 kg)	

For a detailed report on your specific industry, visit:
www.mt.com/veh-technology-report

METTLER TOLEDO