TINY SENSORS, BIG IMPACT
LOAD CELLS IN WEIGHING

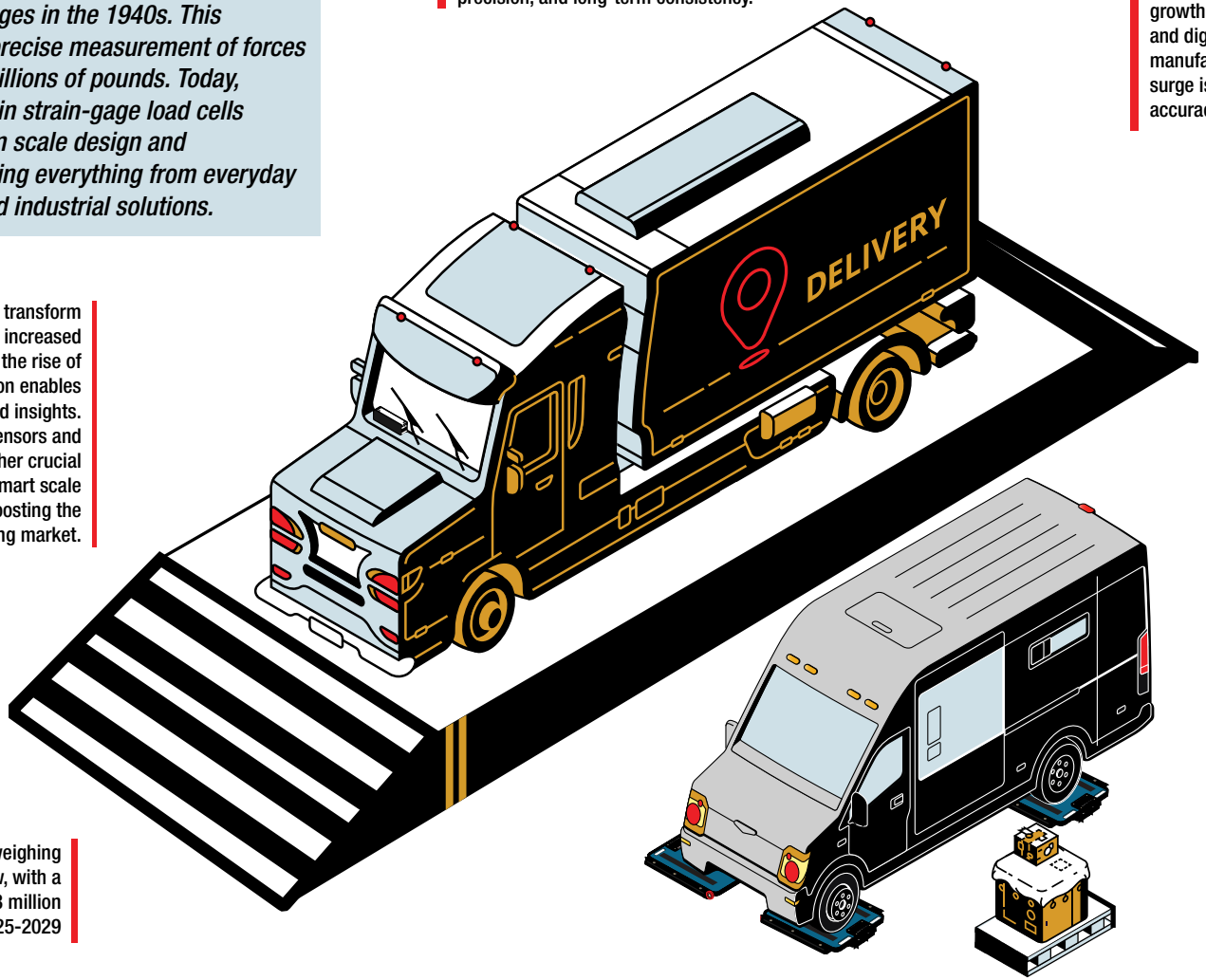
Interface
FORCE MEASUREMENT SOLUTIONS

Force measurement has been practiced for centuries, but the modern load cell emerged in the 20th century with the development of bonded resistance strain gauges in the 1940s. This technology enables precise measurement of forces from milligrams to millions of pounds. Today, Interface's expertise in strain-gage load cells powers innovations in scale design and applications, supporting everything from everyday weighing to advanced industrial solutions.

Interface sensors and instrumentation are utilized on various scales for continuous weight monitoring that supports automation, batching, process control, and product testing, knowing they can depend on versatility, precision, and long-term consistency.

The weighing scale market is experiencing rapid growth, fueled by rising demand for automated and digital solutions across industries such as manufacturing, agriculture, and logistics. This surge is driven by the need for greater efficiency, accuracy, and traceability in weighing processes.

As cloud-based systems transform scale capabilities with increased access to information, the rise of smart data integration enables advanced analysis and insights. Interface sensors and instrumentation gather crucial measurement data in smart scale applications, further boosting the growth of the weighing market.



Interface is a trusted global supplier of precision load cells and force measurement technologies for advanced scale and weighing systems. From pharmaceuticals to freight weighing, Interface sensors are relied upon for accuracy in applications measuring anything from milligrams to thousands of tons.

The market for industrial weighing machines is projected to grow, with a forecasted increase of $705.3 million from 2025-2029

Sources:
Industrial Weighing Machine Market Analysis, Size, and Forecast 2025-2029: North America (US and Canada), Europe (Germany and UK), APAC (Australia, China, India, Japan, and South Korea), South America (Brazil), and Rest of World (ROW)). Technavio. April, 2025.