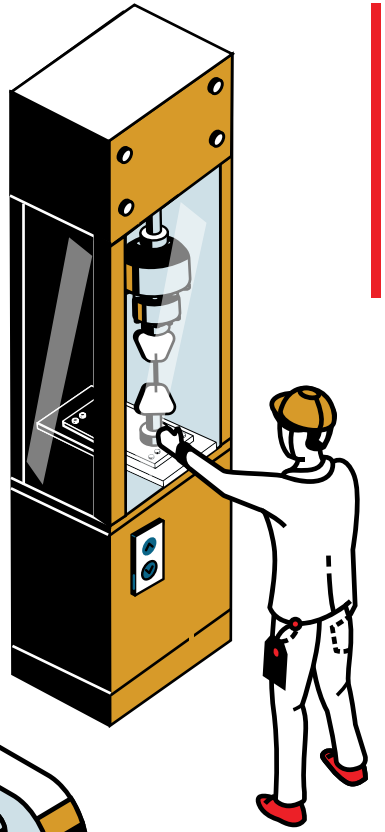
EVALUATING DURABILITY IN MATERIAL TESTING

Interface
FORCE MEASUREMENT SOLUTIONS

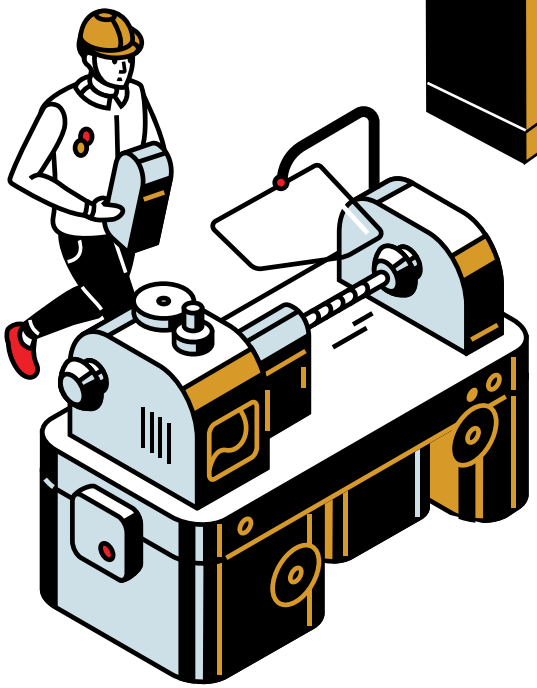
Interface's force sensors are essential components in material testing across all industries, serving as the backbone of precision and accuracy in the measurement of forces and loads. This applies to testing materials used in all types of industries including infrastructure, aerospace, automotive, industrial automation, manufacturing of consumer goods and in the machines used to assemble products. Material testing is fundamental for design and build of structures, medical devices, vehicles on the ground and in the air, packaging, sports equipment and more. Interface's load cells play a critical role in ensuring the integrity and quality of materials used for parts and final products.

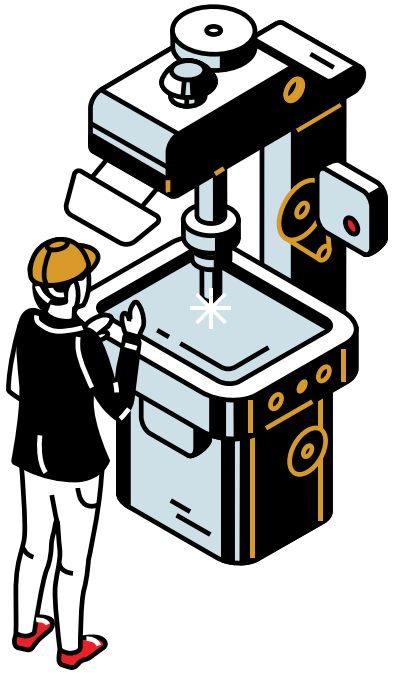
Material testing is a well-established process used to measure the physical, structural, and mechanical properties of different types of components and materials. There is an increase in importance to meet manufacturing standards such as ASTM and ISO for different types of materials. Interface matches the ASTM and ISO standards for calibrating our force sensors used in different material testing environments.



Force measurement sensors are used for testing construction and concrete materials, metals, textiles, biomaterials, polymers and plastics, and packaging. The growing use of lab-based material inventions used for 3D printing has increased the demands for innovation in material testing.

Material testing market will reach an estimated valuation of $1.1 million by 2028, while registering this growth at a rate of 4.70%.





Interface LowProfile and Mini load cells are used for various forms of material testing including tensile tests, hardness tests, non-destructive and fatigue tests. The accruacy of the data resulting from these tests will determine the materials used in constructing bridges, vehicles, rockets and every day products we use at home.

The material testing market is segmented into automotive, construction, educational institutions, aerospace and defense, medical devices, power, and others.

Interface Material Testing
T&M Solutions

Sources:
Global Material Testing Market – Industry Trends and Forecast to 2028. Data Bridge Market Research. March, 2021.