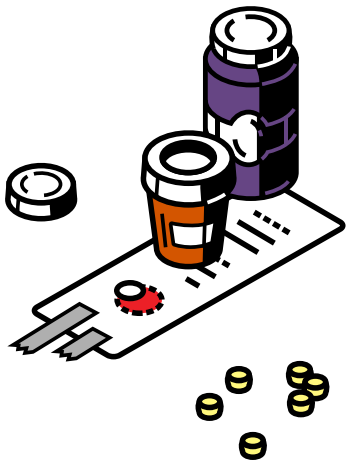
LOAD CELLS CRUCIAL ROLE FOR PHARMA QUALITY

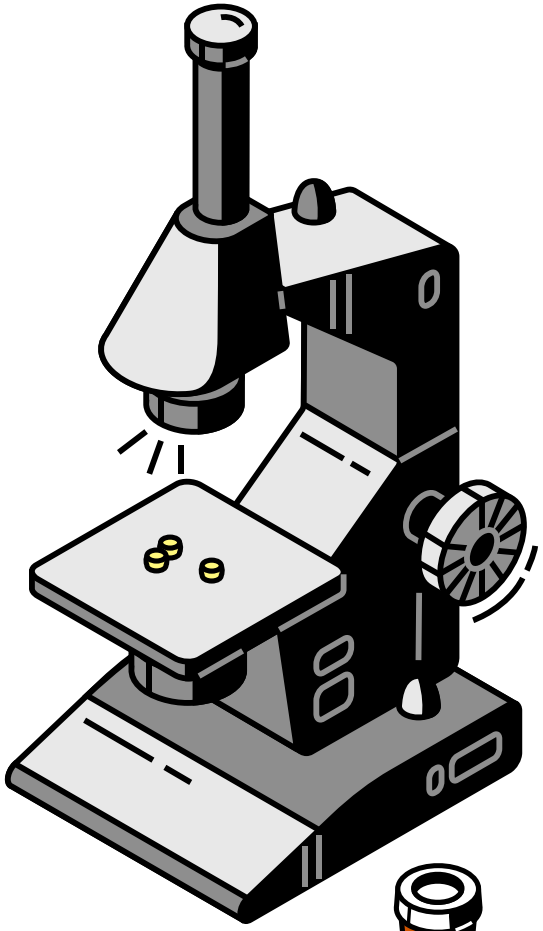
Interface
FORCE MEASUREMENT SOLUTIONS

Inteface's load cells are integral components in the pharmaceutical industry, playing a critical role in ensuring precision, quality, and safety throughout the manufacturing process. Highly sensitive sensors accurately measure and monitor the weight of materials, mixed batches, and final products. Load cells are also vital in maintaining batch consistency and meeting regulatory standards. Load cells provide real-time data that enable pharmaceutical companies to optimize formulations, minimize waste, and ensure the quality of end products.

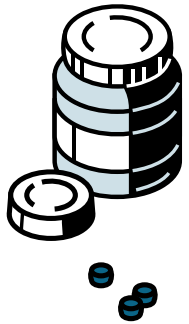
The market has experienced significant growth during the past two decades, and pharma revenues **worldwide totaled $1.48 trillion in 2022.**



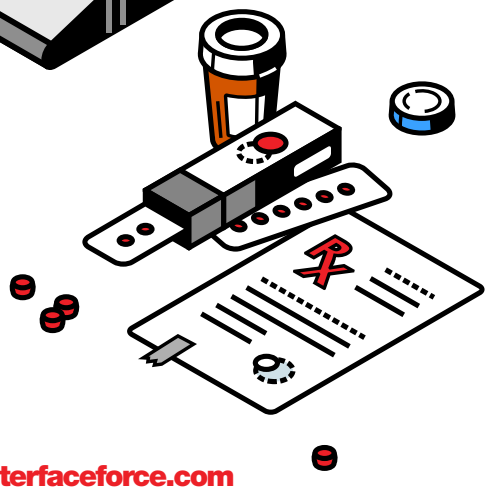
The pharmaceutical industry has created nearly 4 million jobs in the US, with over 800,000 jobs directly in the industry and almost 3.2 million indirect and induced jobs.



The pharmaceutical industry is rapidly evolving to meet formidable challenges. The strategic deployment of testing and technology, **including artificial intelligence, insights management, advanced analytics, and other tools**, will support pharma teams as they embrace changing times.



With the rise in AI, the pharma industry is increasingly relying on AI to support drug discovery. One of the most striking pharmaceutical industry statistics is that spending on AI will reach **$3 billion by 2025** as they invest in technology, including sensors, that may reduce the time and costs required to bring a new drug to market.



The pharma industry as a whole spends **$100 billion on research and development annually**, and Interface Miniature Load Cells play a vital role in providing high accuracy data in specimen R&D programs. If drug developers can accelerate time-to-market by three to five years and extend the number of years before patent expiry, the value of acceleration is significant.

Sources:
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