

SUSTAINABLE SOLUTIONS FOR SMART FARMING

interface
FORCE MEASUREMENT SOLUTIONS.

Innovative technologies and cutting-edge practices are revolutionizing the agriculture industry. Interface's precision sensors and automated systems have created data-driven insights and sustainable solutions. Interface is enabling smart inventions and advancements. Smart farming is reshaping the way we grow crops and raise livestock. Discover the benefits of increasing efficiency, optimizing resources and improving yields while reducing environmental impact through the use of precision measurement. Interface supports smart farming and agriculture, as the opportunities are boundless for sustaining our food supplies around the world.

Climate-smart agriculture (CSA) is an integrated approach to managing landscapes including cropland, livestock, forests and fisheries by addressing the interlinked challenges of food security and accelerating climate change. Interface force measurement solutions play a role in managing these outcomes: increased productivity, enhanced resilience, and reduced emissions.

Smart agriculture is a paradigm shift in farming that helps in guiding actions needed for modifying and re-orienting farming systems in order to aid the growth of the farming sector. Smart agriculture or digital agriculture refers to the set of tools that digitally collect, store, analyze and share other electronic data in the management of regulating all forms of agricultural supply chain analysis. Interface load cells, torque transducers, miniature load cells, digital instrumentation, and wireless measurement devices are instrumental in the farming sector.

The market value of smart agriculture worldwide is forecast to reach **\$34 billion dollars by 2026**

In 2022, the livestock monitoring segment accounted for a market share of **21.88%** of the global smart farming market. These markets are supported through advanced sensor technologies and applications.



By 2030, the global value for **driverless tractor robots** is expected to grow to **\$11.6 billion dollars**, while overall **agricultural robotics** to grow to around **\$20.6 billion dollars**. Interface enables sensing and design to play its part in growing smart agriculture solutions.



Interface Solutions for Agriculture

Sources:
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