

LOAD CELLS PERFORMING IN HORTICULTURAL PRACTICES

interface
FORCE MEASUREMENT SOLUTIONS.

As horticulture innovation grows, the agricultural industry is witnessing the transformative power of Interface sensor technologies. Interface has made significant strides in measurement solutions using IoT and wireless, supporting e-agriculture and smart farming. Our diverse force measurement sensors are designed for horticulture use cases that are revolutionizing the way we cultivate and manage crops while valuing sustainability.

With our variety of IP rated and wireless load cells, torque transducers and multi-axis sensors are ideal products for horticulture applications in extreme environments and machines, all while ensuring maximum safety and efficiency.

Greenhouse horticulture is the production of horticultural crops within, under or sheltered by structures to provide modified growing conditions and/or protection from pests, diseases and adverse weather. In its broadest definition, greenhouse horticulture includes the use of greenhouses and glasshouses, shade houses, screen houses and crop top structures. Interface's force sensors can be structural testing and implemented in greenhouses to monitor watering and crop weight.

The global Greenhouse Horticulture market size was valued at approximately \$24B in 2023 and is expected to expand at a CAGR of 6.79% during the forecast period, reaching over \$35B by 2031.

There growing adoption of advanced technologies in this agricultural sector require sensors for automated irrigation systems, robotics, climate controls and soil management. Interface diverse force measurement sensors are designed for horticulture use cases that are revolutionizing the way we cultivate and manage crops while valuing sustainability.



From its origins in ancient civilizations to its modern advancements in genetic engineering, horticulture continues to play a significant role in shaping our world. The importance of sustainable cultivation practices, and the many benefits that horticulture brings to our environment, economy, and well-being.

