

Global leader in active wireless technology

"In-field use of **Smart Spud** has enabled us to increase our bruise free percentage by 10%"

Rick Smull,
Western Empires



"You can't manage what you can't measure"

**POTATO
APPLE
CHERRY
CITRUS
ONION
PINEAPPLE
AVOCADO
MELONS
AND MORE**

PRODUCT

The **Smart Spud** and **Produce QC**, Active Wireless Sensor (AWS) technology, are real-time sensors for monitoring **impact/vibration** and **temperature** in **post harvest** applications. The tool helps instantly pinpoint where problems to the crop might be occurring in the post harvest handling process. The Smart Spud has proven to be the tool to accomplish this task.

The fastest data available in the market and the **only** true **real time** interface, AWS sensors are the quickest most reliable tool for pinpointing and measuring bruise.



The **Smart Spud/Produce QC** is **customized** to perform like the commodity you are handling. Currently being used in **16 commodities** ranging from apples to cherries to pineapples.

FEATURES

The key feature of the Active Wireless Sensor technology is the **real time data**; seeing the impacts as they happen. With the palm pilot you can **trace** throughout your process and see the most minute fluctuations. You can also tag events and transfer points simply by touching the screen. The information can then be transferred to your PC for more in-depth analysis.

The **Smart Spud/Produce QC** sensor can be exposed to the same conditions or environment as real produce. We provide you a realistic representation of what a typical commodity experiences **harvesting, grading, packaging and storage environments**. There is no need to slow production at any time as all tests can be done with **no downtime** or interruption necessary.

Currently we have **hundreds of Smart Spud/Produce QC customers** enjoying the benefits, isn't it easy to see why?

"The **Produce QC** has helped Stemilt refine its conveying process for fresh apple and cherry packing. We have made several improvements to our existing lines that have helped with our overall production process."

Mike Young
Stemilt Growers

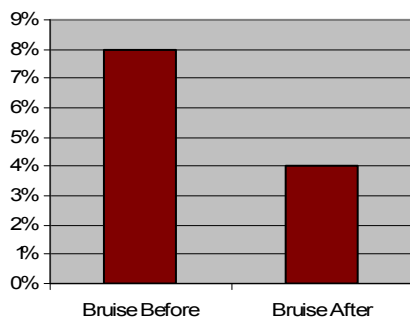
FRESH, PACKED OR PROCESSED; PRODUCERS FROM AROUND THE WORLD ARE BENEFITING FROM ACTIVE WIRELESS TECHNOLOGY

MCCAINS INTL — CHINGFORD FRUIT HOUSE — STEMILT GROWERS — POTATO GROWERS OF ALBERTA

IMMEDIATE RETURNS

Our customers have reported returns on investment such as:

- 50% reduction in bruising within minutes of use
- 100% ROI in 1 harvest season
- Saving over \$5000 in 1 days use



IMMEDIATE BENEFITS

- Reduce bruise rates by upwards of 50% immediately
- Quickly pinpoint post harvest damage and bruise
- Improve packing line efficiency
- Increase operator awareness
- Improve set up and calibration efficiency
- Testing machinery before purchase
- Improve the operational performance of older equipment
- Preventative Maintenance
- Continuous Improvements
- Open source data exchange
- Agent QC Desktop Software reporting, emailing, comparing and saving files.

TECHNICAL SPECIFICATIONS

Data Recording

- Accelerometer Sample Rate — 5kHz
- Storage Location — Palm Handheld
- Storage — 36MB up to 100 files
- Storage Rate — 10 samples on each channel per second

Power Requirements

- Battery — One (1) 2/3 A Lithium
- Battery Life — 15 hours operation

Operating Conditions

- Temperature Range — +85°C to minus 20°C (+185°F to -4°F)
- Humidity Range — 0 to 90%RH
- 10 to 50 feet signal transmission dependant upon environment

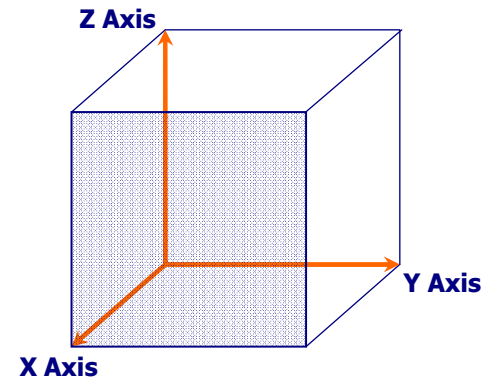
Impact Detection Characteristics

- Sensing Unit — 3 single-axis accelerometers
- Frequency Response — DC to 5kHz
- Digitization — 8-bit analog-to-digital converter
- Impact Range — 0 to +/- 200g
- Wireless Communications — 900MHz ISM Band

ACE
Industrial Supplies Ltd

IMPACT MEASUREMENT

Our sensor technology provides you with



a 360-degree impact analysis measuring each of the X-Y-Z axes. We provide you with a vector sum of combined impacts on real product and desktop software provides you the ability to export data and do further statistical analysis.

COMPANY OVERVIEW

Sensor Wireless Inc. provides Active Wireless Technology for the Food, Beverage and Manufacturing industries. Our diagnostic sensors are available for monitoring impacts, temperatures, humidity and other quality reducing factors within the supply chain. Data is provided to you in real time allowing immediate corrective action to take place, helping reduce downtime and improve quality.

For UK inquiries please contact Ace Industrial Supplies Ltd at qa@aceindustrial.co.uk.

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**SMART SPUD / PRODUCE QC / CRACKLESS EGG
UPDATED 2010 PRICE LIST**

Effective from 1st April 2010 (Version 1.00)

Description	Unit Price £	Item Qty
Smart Spud / Produce QC Impact Sensor Kit	3,160.00	Each
Crackless Egg Impact Sensor Kit	3,160.00	Each
Temperature Upgrade (<i>Optional</i>)	690.00	Each
Software Licence		
Agent QC Desktop Software License (For PC Analysis) (<i>Optional</i>)	690.00	Each
PDA Software License (Standard) – Required	345.00	Each
1 Year Extended Warranties		
Hardware Warranty (Parts & Labour) (<i>Optional</i>)	555.00	Each
Software Maintenance and Support (<i>Optional</i>)	275.00	Each
International Shipping, Insurance & Handling	275.50	Each

The Smart Spud/Produce QC Kit Comprises of the following:

Impact Sensor
Communications Box
PDA and Accessories (AC Adaptor, Hot Sync Cable)
Replica Urethane Commodity Casing (Regular Size)
Carbon Composite Sensor Casing
Download Communication Cable
USB to Serial Converter
Hard Carrying Case
Instruction Manuals and Back Up Disc
1 Year Warranty and Support on Parts, Labour and Shipping