



Best taste?



**Monitor
your wellbeing**



**Legal or
Illegal?**

The Spectral Revolution

Spectral Sensors for Consumer Applications

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ChipSense™

Miniaturized

High Accuracy

IP Protected

Versatile

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MantiSpectra

Quality control is inefficient.

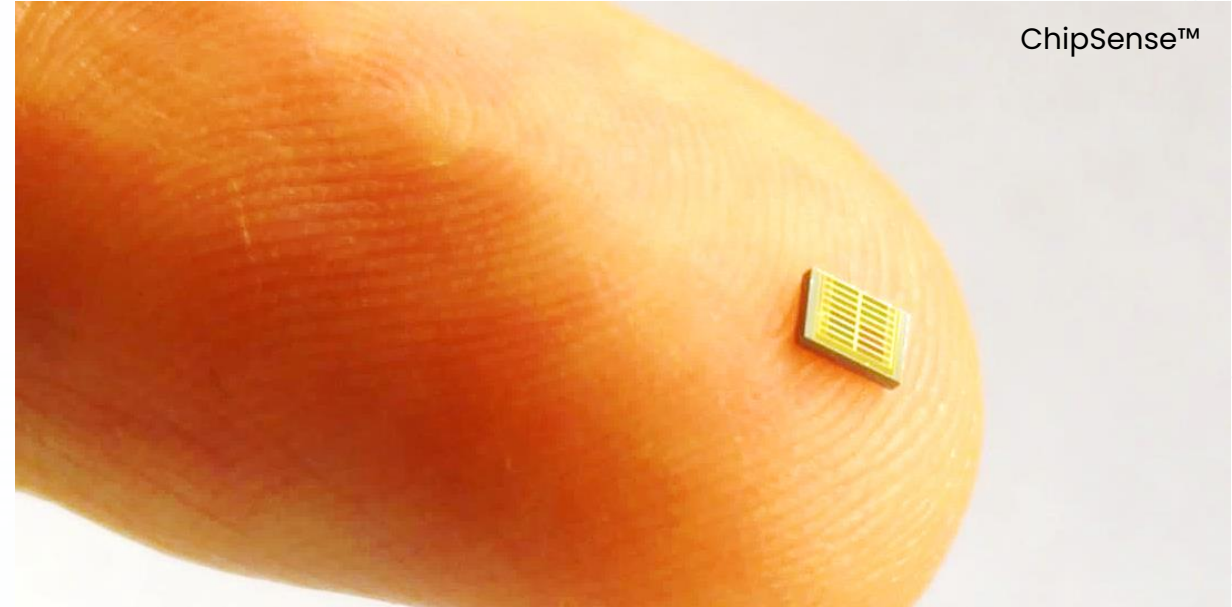
Enable Safety, Quality, and Trust

Now



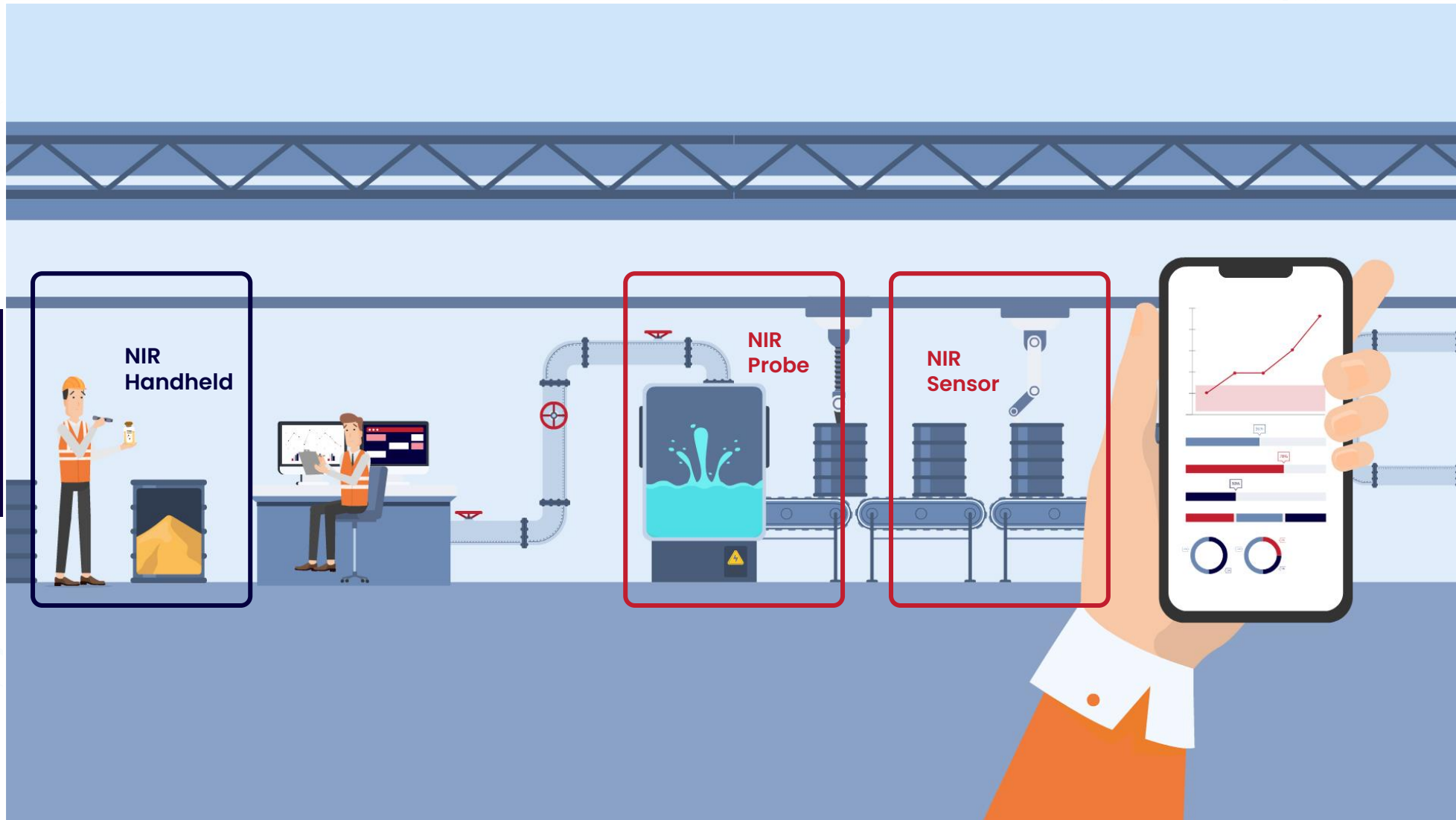
- > External Labs
- > Weeks
- > Expensive

Future

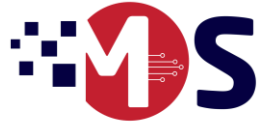


- > Portable
- > Seconds
- > Cost-effective

Enable Real-time Control: Measure & Take Action



Our solution: Integrating a Near-Infrared Lab on-a-chip



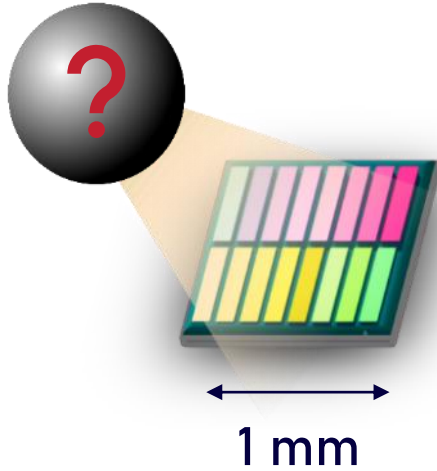
MantiSpectra

ChipSense™

- Real-Time
- Miniaturized
- High Accuracy
- Non-destructive
- IP Protected
- Low-cost

Unique Chip-based Solution & Brain

“Unknown
Material”



Selective Detectors + Machine Learning

=

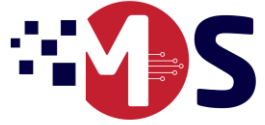
Classification & Quantification of material
contents using near-infrared **light**



Selective Detectors

=

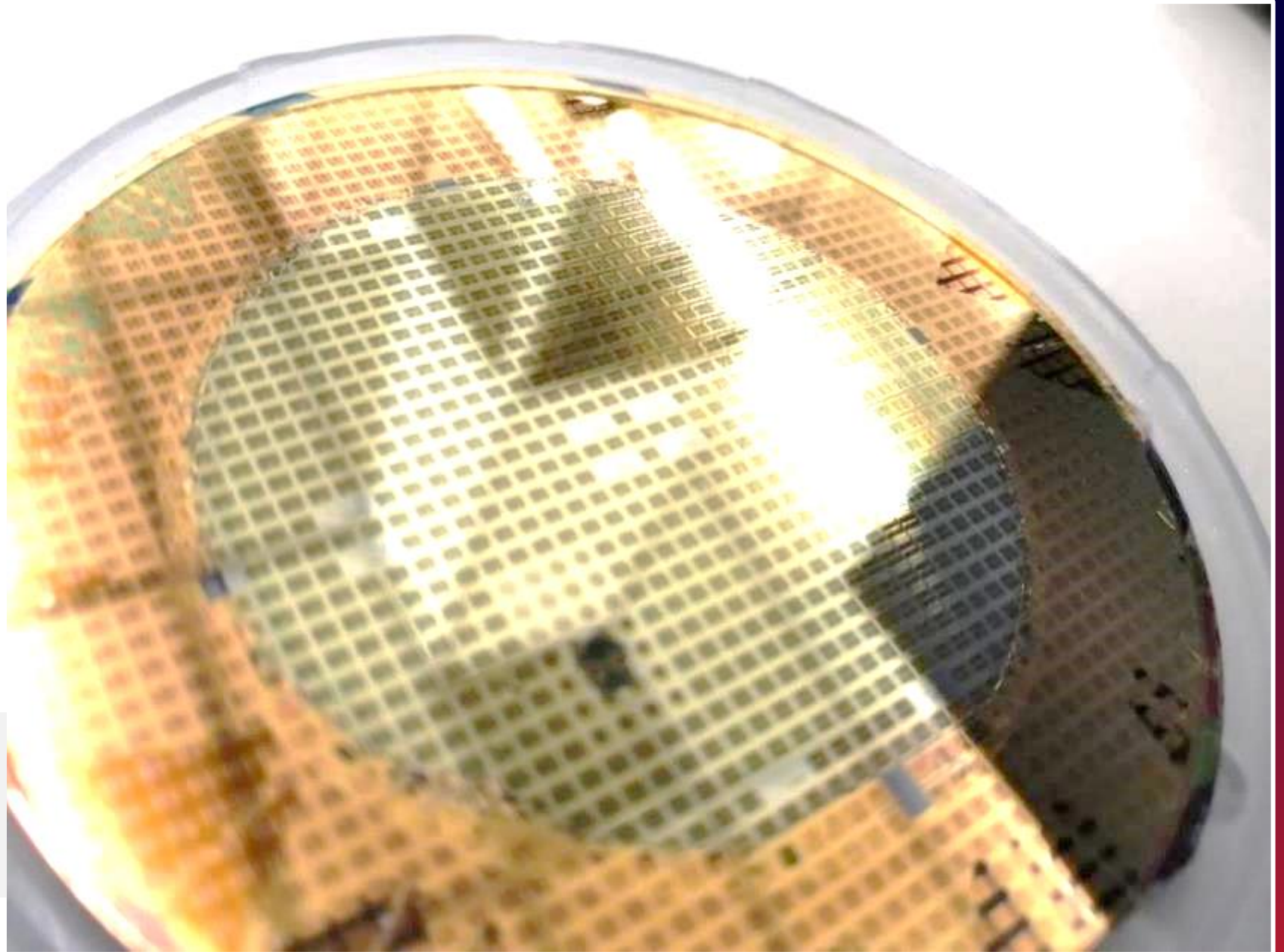
Material Fingerprint



MantiSpectra

The Beauty Of Semiconductor Integration

**Thousands Of Chips
From A Single Wafer**



Universal platform

Now



Smart Farming

- Measure ripeness before harvesting
- Check Quality From Farm to Fork



IoT Industry

- IoT Process Analytical Control
- Identification of Raw Material
- Traceability



Next-Gen Appliances

- Interface with materials
- Automatic optimization
- Best coffee in the world



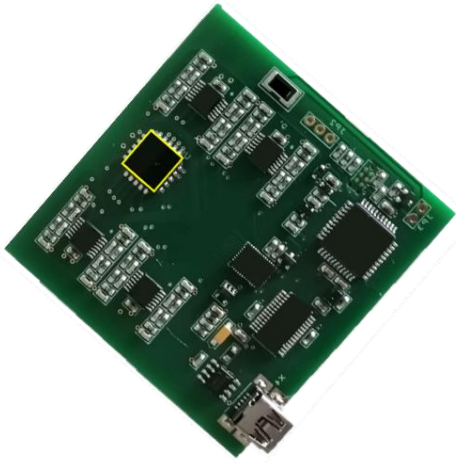
Smartphone

- Food Safety and Traceability
- Health and Cosmetics
- Drug Detection

NIR spectroscopy to classify and quantify material composition

Advantages: fast, contactless, low-cost no need to take a sample to a lab

Our Products



OEM Sensing Module

- 16 Channels (850-1700 nm)
- I2C Bus/USB-connection
- Customization possible



SpectraPod™

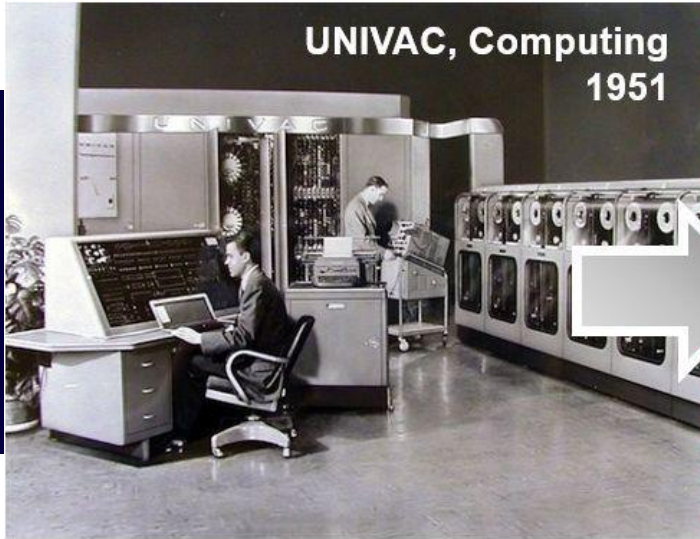
- Handheld and modular
- Illumination and Optics
- Software: SpectraByte™
- CE/FCC approved



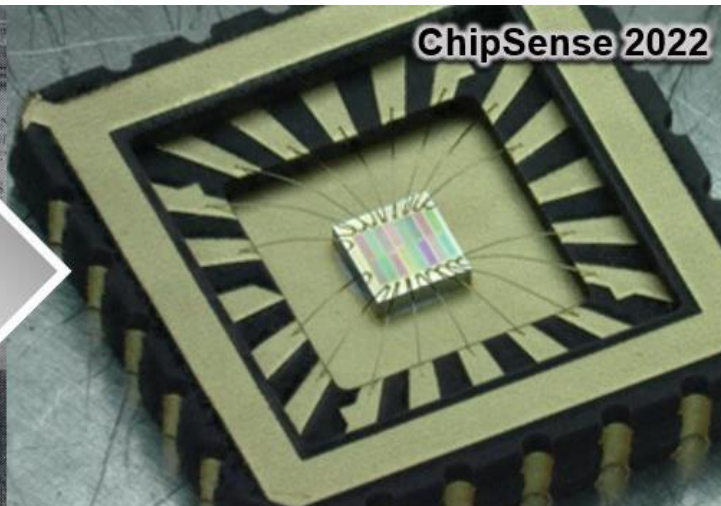
Cloud Enterprise

- Cloud subscription
- API interconnectivity
- Real-time Data
- Customization possible

The Spectral Revolution



**Electronics Integration Has
Revolutionized The World.**



**Spectral Integration Is
Shaping The Future, Here & Now!**



**Make the invisible world
visible to *everyone***

**Join the *Spectral*
Revolution!**

