

## Spectroscopy from Lab to Pocket

**Compact, cost-effective and research level performance in your palm – designed by spectroscopy experts, for the everyday user...**

### *The dilemma of traditional spectroscopy systems*

Spectroscopy is one of the most powerful and versatile technique for measuring colours and substances, yet it has traditionally been too complex and costly for large scale applications such as IoT or consumer goods. There are three types of spectrometers: Filter, grating and interferometric based devices. While interferometers outperform all other methods in terms of efficiency, spectral range and resolution, they are also fragile and costly.

### *Growing demand for smart sensing solutions*

With key drivers coming from factory automation, automotive driver assistance, food safety regulations, personalised cosmetics, wearables or smart home appliances, the demand for intuitive, mobile and affordable optical sensors across various industries is growing at a tremendous rate.

### *A revolution in compact spectroscopy*

Attonics translates the architecture and scanning optics of high-end interferometers into a single nano-structured chip, thus converting conventional table-top solutions into portable and low-cost spectroscopic devices that fit into your palm or consumer product.

#### **We offer product & OEM sensing solutions (standard or customised) for**

- High-resolution colour detection and communication (e.g. CIE, LAB, RGB)
- QC based on colour or substances during manufacturing
- Determination of plant health and food freshness
- Metrics related to personal health in hair care, skin care, and oral care
- Detection of counterfeits in drugs, apparel and F&B
- Measurement of illumination sources and CRI (e.g. LEDs, displays)
- Many more...

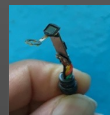


### *Our Value Proposition:*



#### **End-User Product** ATTO<sup>3</sup>

- Ultra-compact: ~ 3 x 3 x 6 cm
- Wide Bandwidth: 380 - 1,050 nm
- High Resolution: ~ 1 nm (P.R.)
- Light Source: Included (UV / VIS)



#### **OEM Module** "AttoCore"

- Ultra-compact: ~ 9 x 9 x 1 mm
- Wide Bandwidth: 380 - 1,050 nm
- High Resolution: customisable

### *Our Partners:*

We are proud to be working with global players in a wide range of industries such as Apple, Applied Materials, P&G, Nestlé, L'Oréal, Sakata Inx, and many more.



#### **Contact Us:**



Philipp von Pein  
CEO  
philipp@attonics-systems.com  
+65 98637664



Dr. KalaiSelvi  
Sales Engineer  
selvi@attonics-systems.com

Attonics Systems Pte Ltd  
10 Anson Road  
#12-01 International Plaza  
Singapore 079903