



**PRESS RELEASE**

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## One Instrument for Raman, UV-Visible-NIR and Fluorescence Spectroscopy of Microscopic Sample Areas

The 20/20 PV™ gives you the ability to collect Raman, UV-visible-NIR absorbance, reflectance and fluorescence spectra of microscopic samples and sample areas. This is in addition to UV-visible-NIR imaging, film thickness measurements and micro-colourimetry.

**CRAIC Technologies**, the world leading innovator of microspectroscopy solutions, is proud to announce the addition of Raman microspectroscopy capabilities to its flagship product: the 20/20 Perfect Vision™ microspectrophotometer, which is available from **Warsash Scientific**. Users of the 20/20 PV now have the ability to acquire Raman spectra, with lasers from the blue to the near infrared, in addition to UV-visible-NIR absorbance, reflectance, fluorescence and emission microspectra™. The 20/20 PV™ is able to acquire all these types of spectra of even sub-micron samples rapidly and easily. Better yet, the 20/20 PV is able to acquire all these spectra from the same area because it features proprietary optical aperturing technology. Additionally, the 20/20 PV features the ability to acquire images of these same microscopic samples in the UV, visible and NIR regions.

The applications for such a multi-purpose instrument are numerous. For example, the 20/20 PV is used to develop the latest advanced materials, such as nanoparticles and carbon nanotubes, to studying various types of biological samples, including vision research, to the analysis of forensic samples and the measurement of thin film thickness in the semiconductor and optics industries. Giving this instrument the ability to analyse the Raman spectra of microscopic samples in addition to UV-visible-NIR and fluorescence microspectroscopy makes the 20/20 PV *the* cutting-edge micro-analysis tool for any laboratory or manufacturing facility.

The 20/20 PV microspectrophotometer is a self-contained unit that features advanced UV-visible-NIR light sources, solid state lasers, true UV-visible-NIR microscopy, sensitive UV-visible-NIR range spectrometers and sophisticated MINERVA™ spectral software. Raman microspectroscopy is added with the Apollo™ Raman microspectroscopy packages, also available from Warsash Scientific. Each Apollo is a self-contained package including laser, spectrometer and hardware and multiple Apollo units with different lasers may be combined on the 20/20 PV. All these capabilities can be integrated into the cutting-edge 20/20 PV microspectrophotometer and give you multiple capabilities to analyse microscopic samples rapidly and easily. With its Raman, UV-visible-NIR spectroscopic and imaging capabilities, durable design, ease-of-use and the experience of CRAIC Technologies in microanalysis, the 20/20™ microspectrophotometer is more than just a scientific instrument, it is a solution to your most challenging analytical questions.

For more information, contact Warsash Scientific on +61 2 9319 0122 or [sales@warsash.com.au](mailto:sales@warsash.com.au).

