JEFFCO BevScan™® BS01
Through Bottle Beverage Analyser and Classifier

Jeffress Engineering is pleased to announce the **JEFFCO BevScan BS01** Through Bottle Beverage Analyser and Classifier using Near Infrared Spectroscopy. Developed in conjunction with the **Australian Wine Research Institute** and **Camo ASA** of Norway, the BevScan is capable of identifying specific parameters in wine and classifying unknown bottles of wine without opening the product, all within just a few seconds. In classification mode, no knowledge of spectroscopy is required. The BevScan can sample as few as 12 known good bottles of wine, build a "profile" for that product and then predict whether other bottles are the same, all without opening the bottles. Identify vintage differences, authenticate vintage wines, check on-line bottling quality, track maturation & cellaring, test closure integrity and "bin" unknown/unlabelled products – non-destructively. If more specific details of wines are required, then predictions can be developed in the world-famous **Unscrambler** package from Camo Software and applied to the BevScan, allowing full investigation of such parameters as anthocyanins, pH, CO_2, ethanol and many others. The Australian Wine Research Institute, world leaders in wine identification, development and testing will be providing a service to help Clients develop suitable models for specific purposes. The BevScan can also be used as a stand-alone research spectrometer and has a standard cuvette testing option.

Specification Highlights

- A new and innovative development of robust solid-state transmission spectroscopy that's simple to use
- Adjustable for most bottle sizes, clear or dark bottles, red or white wines and most other beverages
- Bottle optimisation built-in; variable scanning height/position so most labels can be avoided
- Super fast - only takes a few seconds to scan and classify each bottle. Statistical data is recorded and downloadable
- Cuvette option for laboratory and qualitative testing of wines and beverages
- Simple touch screen computer with an easy-to-use custom interface – no sophisticated skills required
- Fully accessible via wired network, WiFi and Bluetooth; standard USB 2.0 ports for data extraction
- Remote internet access for data retrieval, maintenance, assistance and software updating
- Fully portable - powered from a mains adaptor or from 12 or 24V battery
- No external standards required – totally self-contained and very stable with an inbuilt SphereOptics Zenith reference tile and Hg/Ar wavelength calibration standard