AS VISION
Highest Sample Throughput, **Worry-Free**

AS Vision (ASV) is an innovative autosampler that allows rapid and continuous testing of up to 12 samples, with a single press of the play button on either MINIVAP VP Vision or MINISCAN IR Vision analyzers. It was developed to achieve the highest sample throughput for the most demanding vapor pressure methods and confident fuel analysis via FTIR.

BENEFITS

Operational Efficiency

Combine AS Vision (ASV) autosampler with any Grabner Instruments Visionseries vapor pressure or FTIR analyzer to unlock their unmatched throughput potential. 12 programmable sample positions allow for uninterrupted vapor pressure and FTIR analysis of Gasoline, Diesel, Jet Fuel, Solvents, VOC's, and more.

Features

The AS Autosampler incorporates fully programmable measurement playlists for optimal sample throughput efficiency.

- 12 sample positions for highest measurement throughput.
- Large sample port numbering for mistake-free setup.
- Each port individually protected from particulates by a stainless steel, serviceable filter.
- All wetted parts are efficiently cooled (external liquid supply) to maintain air saturation during sample injection (ASVP methods) and prevent sample decomposition.

- Innovative, metal distribution block for lowest sample carryover.
- Fail-safe operation (Port #1).
- Corrosion-resistant construction and finish are suited for aggressive samples.
- Compatible with Cockpit PC Software for simple analyzer-fleet management.
- Analyzer / autosampler interface produces the lowest sample carryover volume, significantly reducing crosscontamination - change sample type with confidence.

Robustness

All metal housing for severe duty field use. Analyzer chassis-mounting ensures safe movement, without external power supply or wiring (power supplied by analyzer, internally). Machined, all metal sample distribution block eliminates complex tubing to the outlet port, ensuring sample integrity during injection (ASVP and FTIR methods).

Industrial grade solenoid valving and failsafe operation eliminate downtime.

Simplicity and Flexibility

Generate measurement templates and playlist with ease. ASV's new, integrated design with solid-state fluidics improves sample handling and conditioning with minimal carryover effects, providing pristine conditions for confident measurements.

Whether connected to VPV or IRV, ASV simplifies daily workloads and reporting for vapor pressure and FTIR fuel analysis, with peace of mind.

AUTOMATIC SAMPLING

VP VISION BENEFITS

- VP Vision's Sampling ProTM valve design offers the lowest sampling volume of any vapor pressure analyzer. When combining AS Vision's drastically reduced sampling circuit volume, fewer rinsing cycles are required – translating to increased efficiency regarding time and sample waste disposal .

- Air saturated vapor pressure (ASVP) methods require the sample to enter the measuring chamber between 0C and 1C (32 – 34F). ASV's external, liquid chiller connection ensures that sample warming / outgassing will not occur. Air bubbles that enter the measuring chamber have a direct impact on the result.

- A thermally optimized sample connection between ASV and VPV further prevents sample outgassing, prior to reaching the measuring chamber.

- Rugged chassis-mount design and optional VPV power inverter creates true portability, ideal for field use. Concealed, internal electrical connections to the analyzer promote mobile safety by eliminating snags on field obstacles. Optimize heavy workloads for mobile labs, refineries, independent labs, trading, transportation.

- Connect VPV / ASV to Cockpit PC Software for simple autosampler playlist creation and result reporting from analyzers around the globe via any enterprise server.

IR VISION BENEFITS
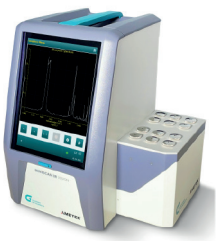
- IR Vision boasts a temperature regulated, piston-based filling system that eliminates sample agitation and degradation during filling. Connecting a liquid chiller to ASV ensures sample integrity, from bottle to measuring cell. Successful results for chemometric sample parameters greatly depend on the sample's representation of the product. If components of the sample are 'lost', predicted parameter results will be compromised.

- A thermally optimized sample connection between ASV and IRV further prevents sample degradation, for confident FTIR fuel analysis.

- IR Vision's full-color, industrial touchscreen allows for simple programming of ASV's workload. User profiles allow FTIR parameter training on-the-fly, for fast sample group changes when analyzing samples from different regions.

- Designed for true portability, IRV + ASV is the ideal combo for use at import inspection (fuel adulteration), pipeline terminals, tank farms, mobile laboratories, and independent testing labs.

TECHNICAL DATA

AUTOMATIC SAMPLING - MADE SIMPLE

Sampling Capability	12 sample ports, individually programmable to handle sample types and perform test methods for all VP Vision and IR Vision applications.
Compatibility	Grabner Vision-series vapor pressure and FTIR analyzers.
Construction	Wetted parts machined from stainless steel, aluminum, brass, and PTFE. Chemical-resistant finish (same as VPV / IRV).
Sample Introduction	Automatic via VPV & IRV piston-based, temperature regulated rinsing & filling sequence.
Viscosity Range	0 - 250 mPas, at sample filling temperature.
Sample Cooling	Rear-mounted connections for external liquid chiller or tap water supply.
Sample Transfer	12x filling tubes w/ brass inlet luers.
Sample Port Filtration	12x stainless steel filters (reusable).
Power Supply	ASV autosampler is powered and controlled by its paired analyzer, internally.
Dimensions (WxHxD)	120 x 175 x 198 mm (4.7 x 6.9 x 7.8 in.)
Weight (ASV only)	3.4 kg (7.5 lb)

CELEBRATING OVER

35 YEARS O ANALYTICA EXCELLENCE