

HTV High Throughput Viscometer

24/7 Measurement Solutions for Viscosity
and Density of Used Oils

Automation Excellence



HTV High Throughput Viscometer

All-in-one

The High Throughput Viscometer (HTV) in its typical setup is the perfect solution for petroleum samples.

Everything you need to increase your productivity paired with time- and cost-efficiency you get from Anton Paar. Anton Paar offers turnkey and customized solutions for your special application needs.

Anton Paar is the world leader in viscometry, rheology and density measurement. Based on its expertise in instrument development and production, Anton Paar offers complete automation and robotics systems for high-throughput laboratories for up to 24/7 operation.

► Modular

To provide the utmost flexibility the HTV comes in a modular design. Each module works independently. When one module needs periodic maintenance the others take on the additional work.

The system is extendable from one to 10 modules. This results in a throughput of up to 2000 samples per day and enables you to react to your current and future throughput.

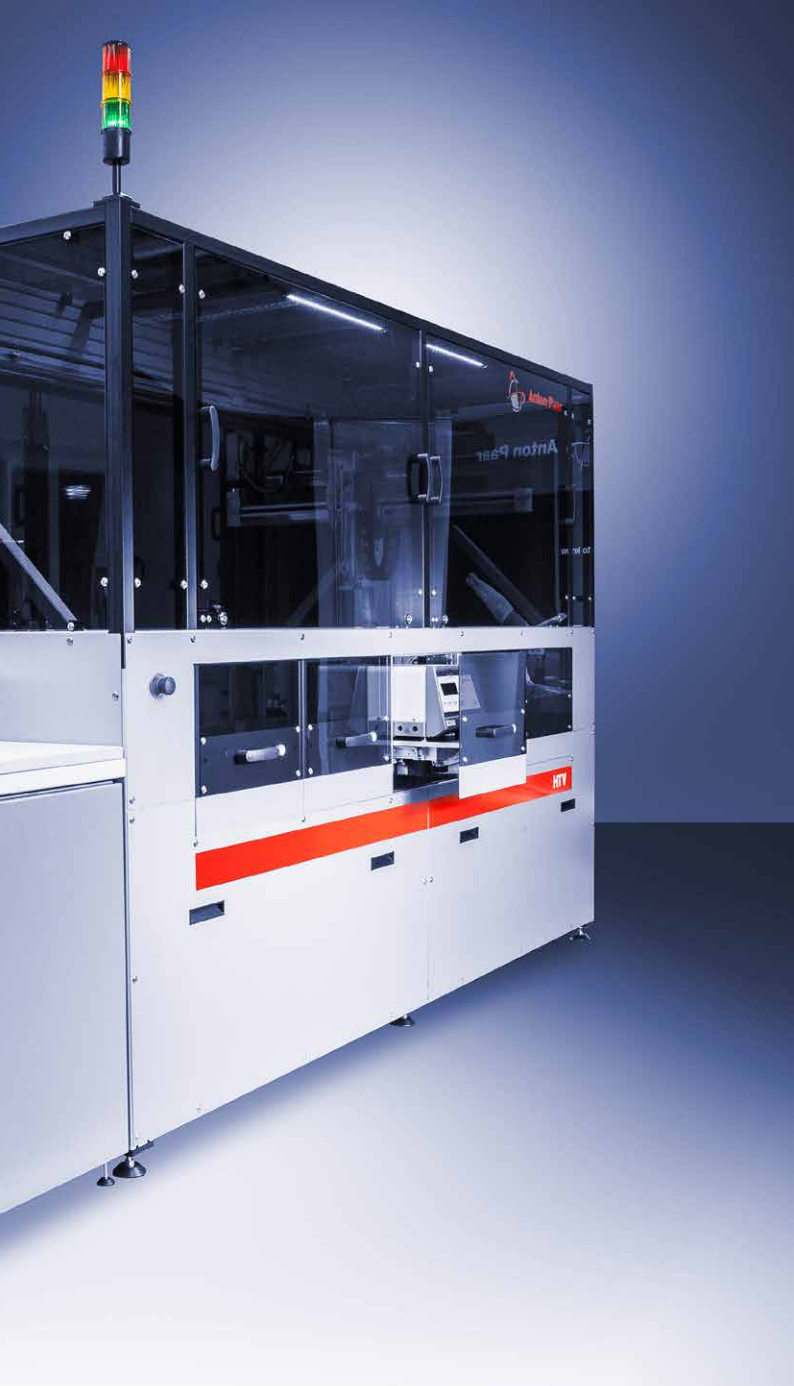
► Communication

The Anton Paar Control Software manages and controls the whole workflow. PROFINET and Ethernet are used for communication and LIMS is used for data transfer.



Any used
can be m





Best practice

Due to the nature of your work, a high number of samples need to be analyzed quickly and accurately. The typical HTV setup measures and handles any used oil sample. Its standard configuration is designed to run 24 hours a day to determine the kinematic viscosity of used oil samples at 40 °C and/or 100 °C. The unique advantage of the used system is the parallel determination of the density at the chosen temperature.

The programmable cleaning routines guarantee efficient solvent consumption. Verification of the measuring results is given by scheduled measurement of reference standards. To give you peace of mind, full traceability is available at any time for every single measurement.

Anton Paar engineering fuses unique measurement instruments with sophisticated automated workflows.

The HTV platform is just one of many examples.



oil sample
measured

► Viscosity-independent

Anton Paar's Stabinger Viscometer™ SVM 3000 is a unique rotational viscometer. No capillaries need to be changed and it covers a measurement range from 10 mm²/s to 2000 mm²/s for the kinematic viscosity. When using capillary viscometers this would require many different capillaries.

► Compliant

SVM 3000 is the only instrument to combine the required precision for ASTM D7042, which is equivalent to ASTM D445/ISO 12185, and measurement of the viscosity index according to ASTM D2270/ISO 2909.



