

Innovative Solution Trusted Partner

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A91 Pro

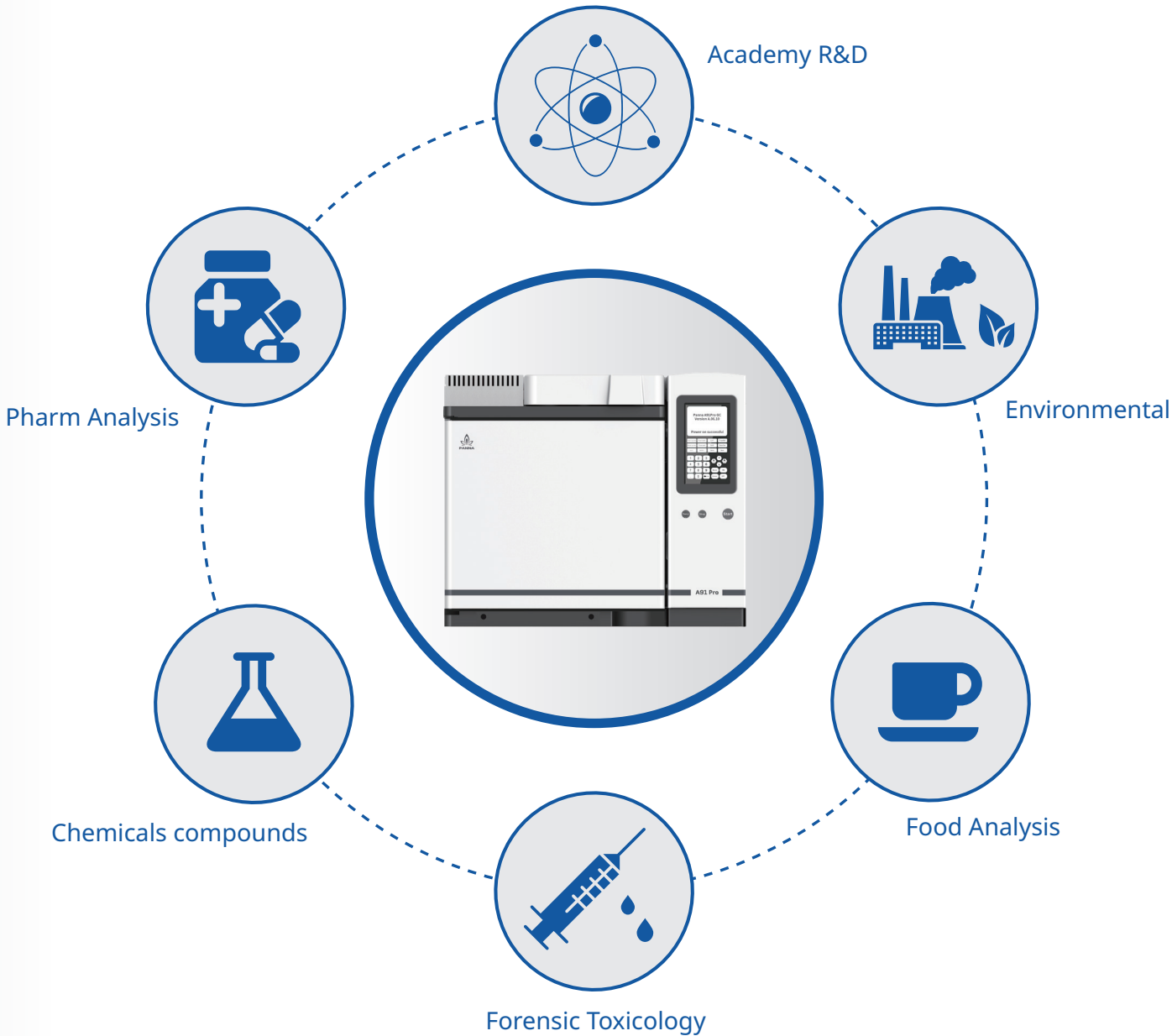
Gas Chromatograph





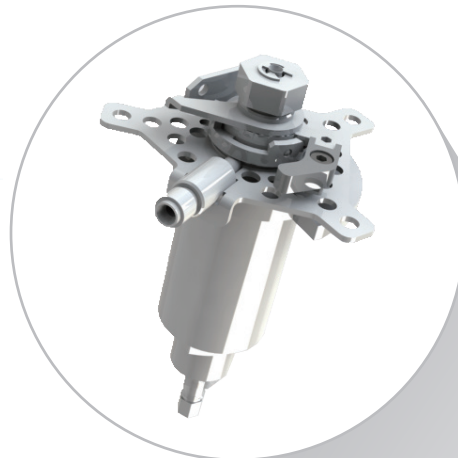
The A91 Pro features a high-sensitivity detector, multiple optional configurations, and scalability to make analysis and detection faster, more accurate, and more consistent. Integrated intelligent software provides an overall analysis solution and effectively improves analysis efficiency.

Wide applications



Multiple inlets

- Packed Column Inlet (PPIP)
- Spilt / Spitless Inlet (SSL)
- Programmable cool on-column inlet (PCOC)
- Volatile Inlet (VI)



The new heated ceramic sleeve inlet shortens the temperature ramp time, improves the temperature uniformity in the vaporization chamber and minimize sample vaporization discrimination.



Quick release design, no tools required, easy for liner replacement and inlet maintenance.



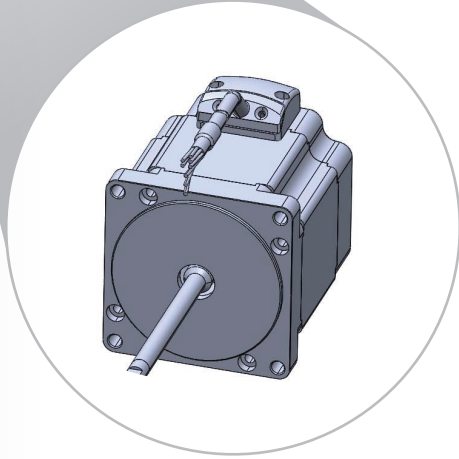
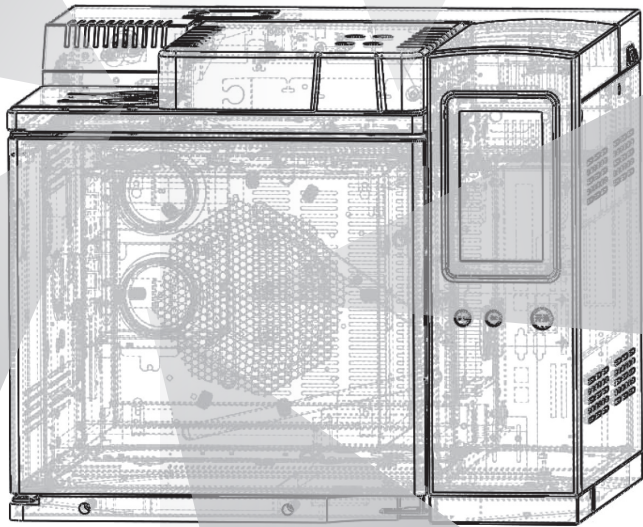
Install up to 3 inlets and 4 detectors simultaneously for increased application flexibility.

High Sensitivity Detectors

- FID
- TCD
- μ ECD
- FPD/FPD-dedicated for Gas Mixtures
- PDHID
- NPD
- SCD
- Enhanced Plasma Detector (EPD)
- Zirconia Detector



The unique "trumpet-shaped" heating air disk conforms to the thermal fluid principle and ensures uniform temperature in the column oven.



Inverter motor of the furnace fan, accelerates the column oven cooling, shortens the analysis time.

Sulfur Chemiluminescence Detector (SCD)

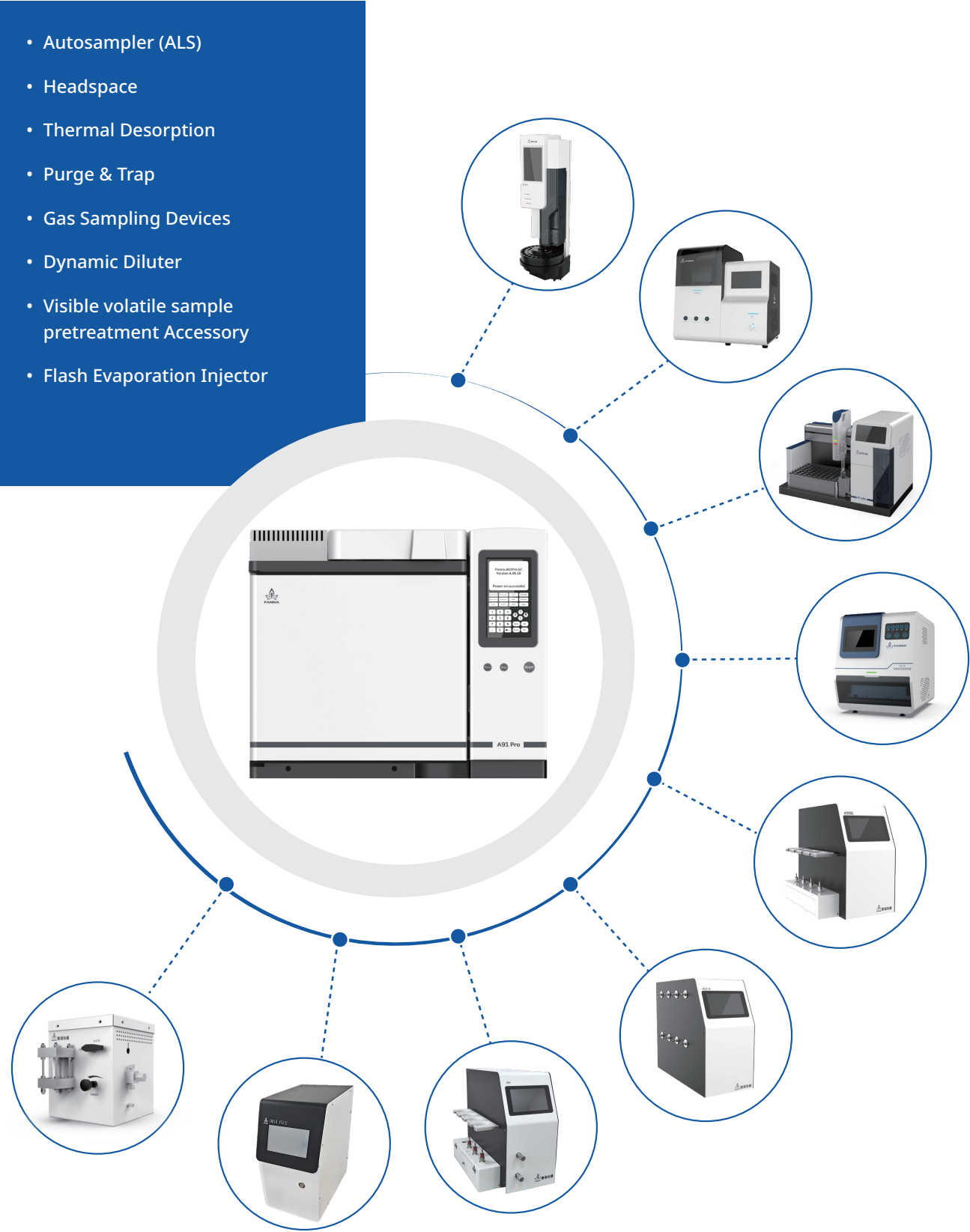
SCD1949, PANNA's first breakthrough sulfur chemiluminescence detector, features high selectivity, high sensitivity, and low interference, making analysis and detection more accurate and consistent.

High sensitivity, High selectivity

- Fully EPC control auxiliary gas, combustion gas and ozone;
- Easy and quick replacement of the ceramic tube in the combustion chamber;
- Dual plasma design eliminates quenching (signal suppression) caused by co-elution of sulfur components and hydrocarbons.

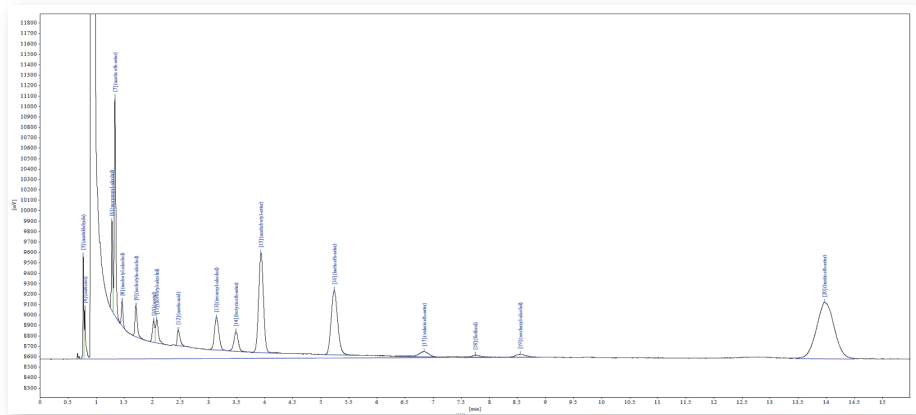


Multiple Sample Introduction Options

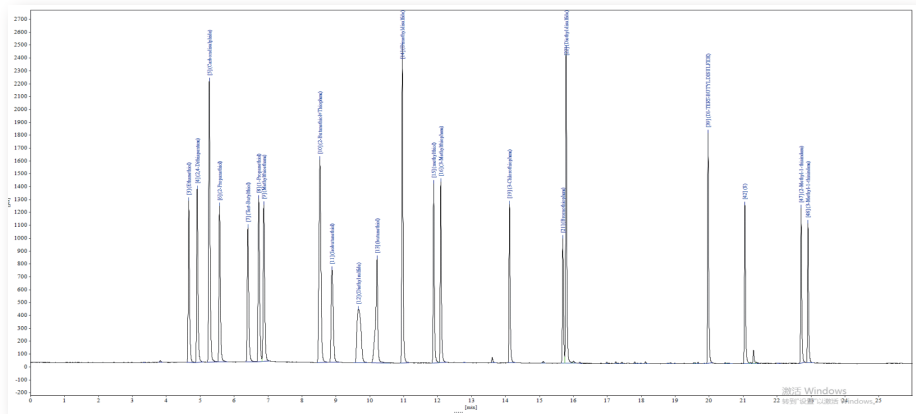


Applications

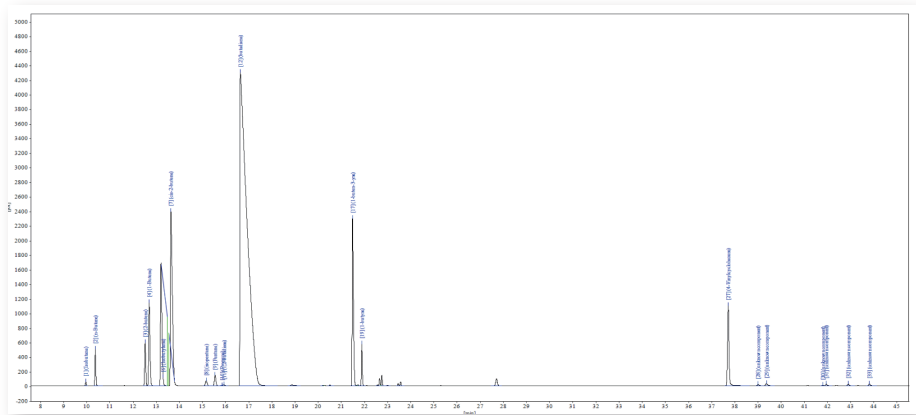
1 Analysis of 31 Components in White Spirits



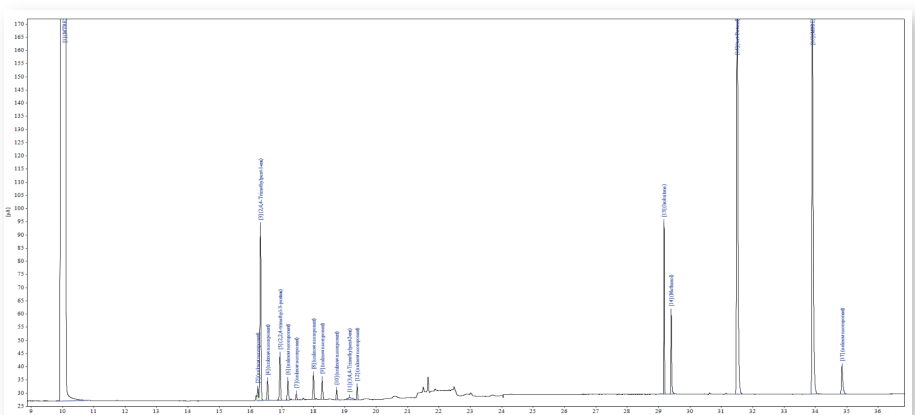
2 Sulfide Analysis



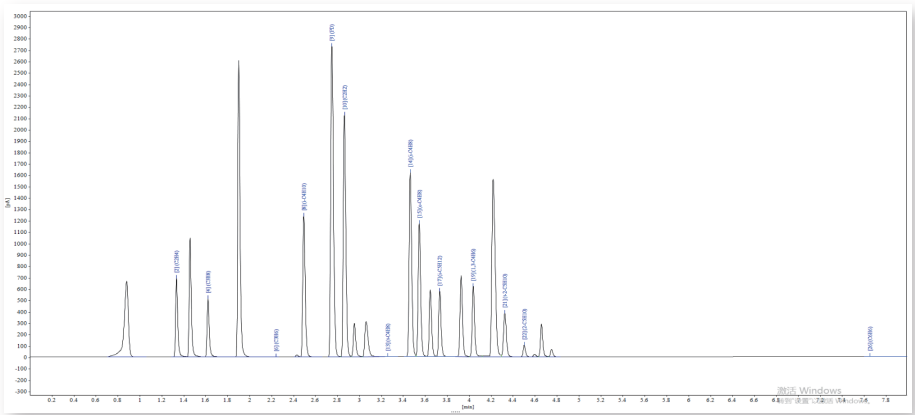
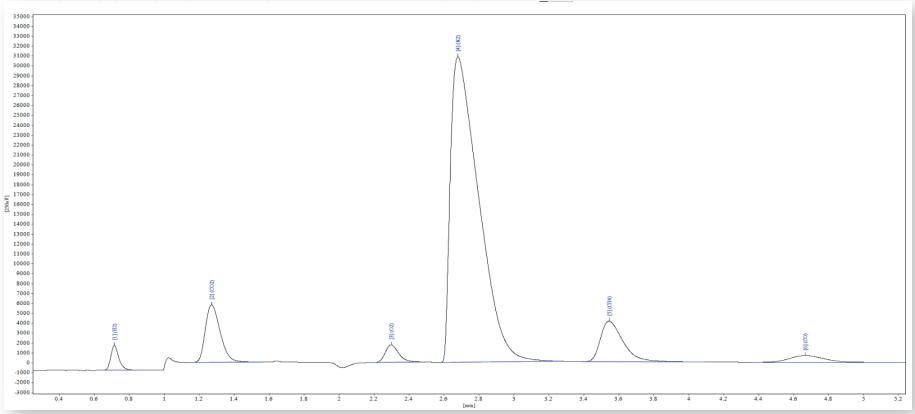
3 C4 and Acetonitrile Analysis in Butadiene



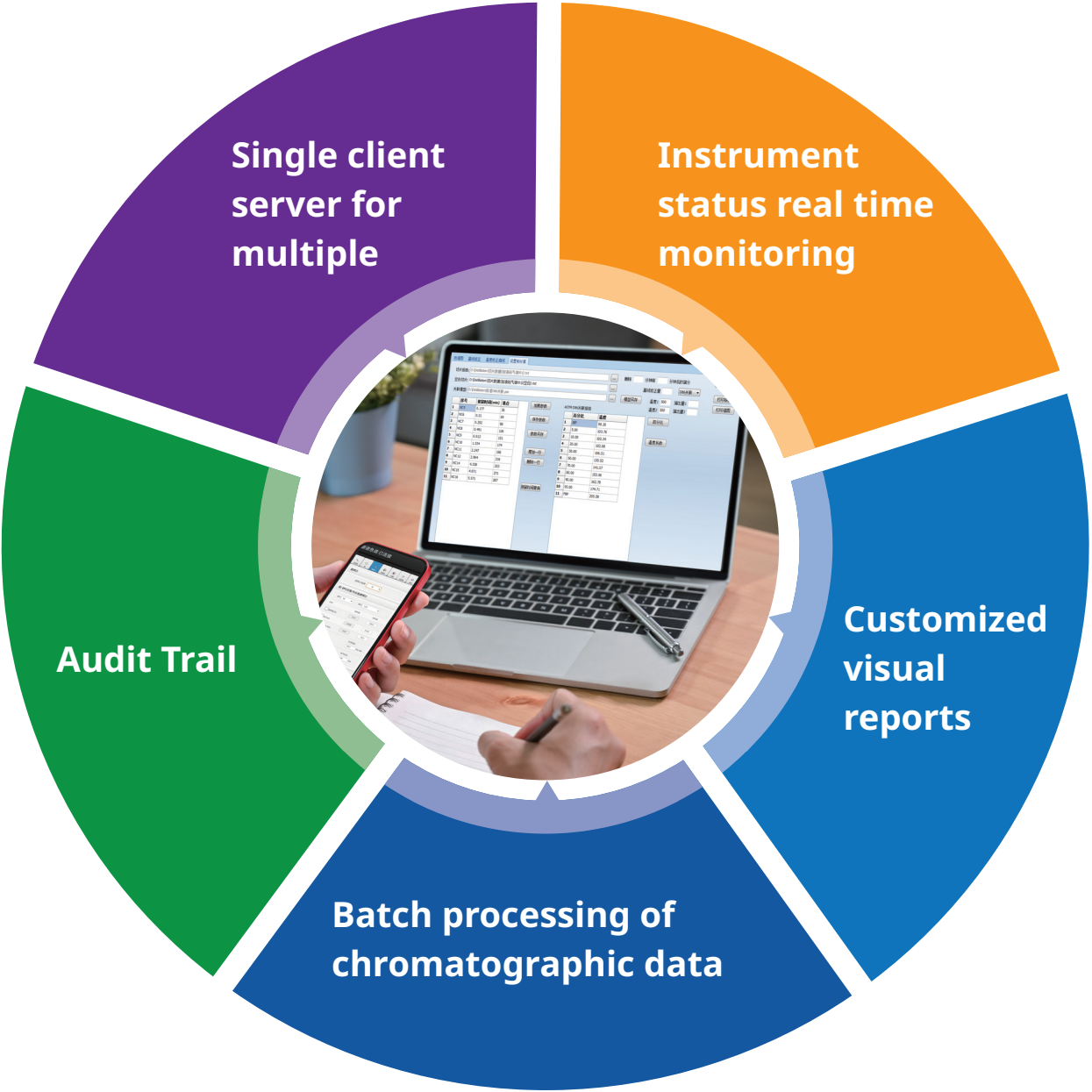
4 MTBE Purity Analysis



5 Rapid Refinery Gas Analysis

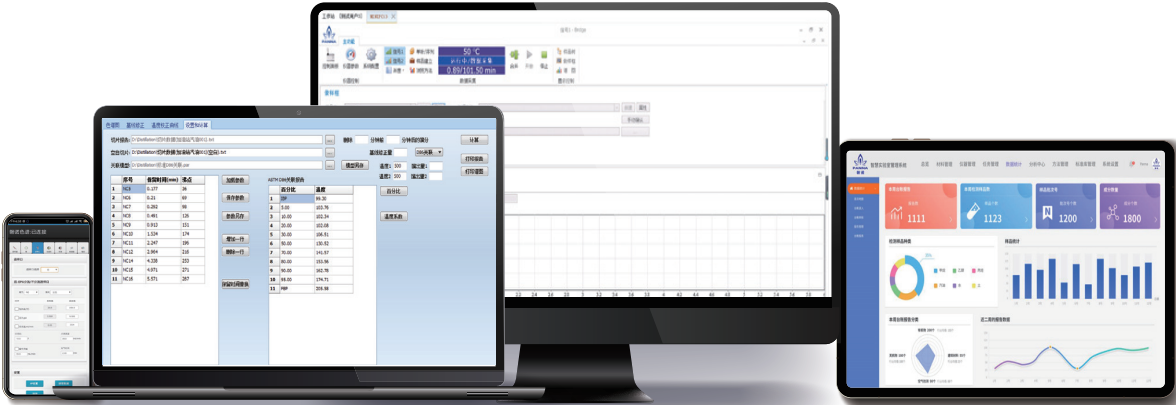


Advanced Bridge CDS workstation integrated with smart laboratory management system



Run on multi-platform

Supports remote access and control of all modules and functions, freeing operators from time and space constraints.



Integrate with the i-Lab platform

