

Drive laboratory productivity with the innovative Thermo Scientific TriPlus 500 Gas Chromatography Headspace Autosampler

Powered by an innovative new design, the **Thermo Scientific™ TriPlus™ 500 GC Headspace Autosampler** delivers more of what you want, and less of what you don't. Helping you maximize valuable time with reliable unattended operations and optimize throughput with expanded vial capability, this modular platform gives today's routine laboratories the productivity they need to succeed—both today and in the future.

QUICK SPIN SHAKING (QSS) The new proprietary design for vial shaking during vial incubation provides a larger exchange surface area between liquid and gas phases, accelerating the sample equilibration with valuable time-saving benefits:

- Reduced overall cycle time: the spin shaking device offers three levels of agitation to speed sample equilibration and shorten the incubation time.
- High extraction efficiency: consistent equilibrium between liquid and gas phase enables highly repeatable extraction efficiency.

DIRECT GC COLUMN INTERFACE

Instead of a long transfer line connecting the static headspace to the GC column, the TriPlus 500 HS autosampler features a direct connection from the valve manifold to the GC column, maintaining split flow control capability. This creates a shorter sample path which eliminates possible cold or hot spots, assuring sample integrity during transfer into the column.

NEW PNEUMATIC CIRCUIT DESIGN

A proprietary pneumatic circuit design and a highly precise heating control work together for an accurate sampling process, increasing the system reliability and robustness. The repeatability of the area counts is the highest in the market. This, coupled with the sample integrity maintained during the injection process, ensure the required data quality is easily achieved.



COMPACT FOOTPRINT WITH MODULAR DESIGN

Directly coupled to the capillary column, the TriPlus 500 HS autosampler offers a compact footprint that optimizes your valuable bench space. Its industrial design complements the Thermo Scientific™ TRACE™ 1300 Series Gas Chromatograph systems with about 30% less bench space than competitive systems.* Its modular design enables easy system upgrades over time to accommodate increased sample throughput needs from 12 up to 240 vials capacity with no additional bench space required.

*when compared to a similar configuration.

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