

Small Size Big Sustainability

Agilent 8850 GC system



Labs with GC instruments have unique sustainability challenges due to their resource-intensive nature. The Agilent 8850 GC is designed to lower your environmental impact while boosting productivity.

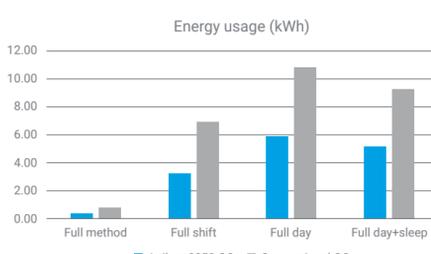


Use less power

45% less energy consumption, compared to conventional GC systems

The 8850 GC can help reduce your environmental footprint.

- Compact oven design saves power and space while speeding up your analysis.
- **Built-in GC intelligence** helps you improve efficiency and reduce energy usage.
- Sleep mode reduces power and gas consumption during inactivity.



The 8850 GC used 45% less energy than conventional GC systems in this analysis of pesticides.

3X faster analysis, thanks to rapid heating and cooling capabilities and shorter column length

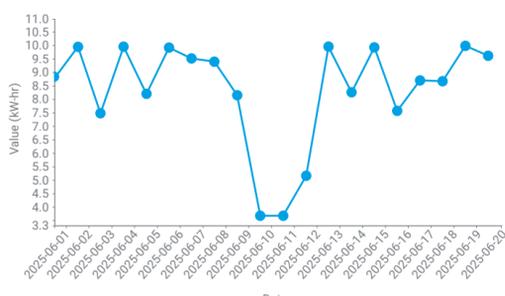
Real-world example: Analysis of distilled spirits

Lab efficiency tripled—without compromising chromatographic performance

- Conventional GC system: **41 samples** in 24 hours
- Agilent 8850 GC: **130 samples** in 24 hours

Power consumption reduced for 32,500 distilled spirits samples

- Three conventional GCs
Annual power consumption = **7,189.65 kWh***
- One 8850 GC
Annual power consumption = **2,505.1 kWh***



* Assuming a five-day workweek and 50 workweeks per year.

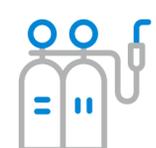


Save space and resources

2X productivity per linear bench space

The 8850 GC takes up half the bench space of traditional GC instruments and an 8850-MS takes up just two-thirds of a standard GC/MS system.

- **Maximize efficiency.** Run two 8850 GCs simultaneously while saving valuable bench space.
- **Never sacrifice performance.** The 8850 GC uses the same inlets, detectors, and EPC as the Agilent 8890 GC to deliver equivalent analytical results.
- **Sustainable from the start.** Compact design reduces the volume of materials needed for manufacturing and shipping.



Consume less helium

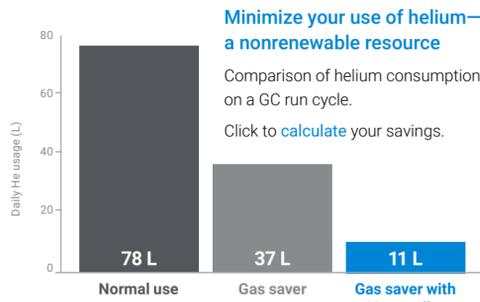
Up to **85%** less helium used

GC instrument intelligence lowers gas consumption.

- Track gas use under instrument diagnostics.
- Use **gas saver mode** to reduce gas flow during idle periods.

Helium conservation module minimizes helium use.

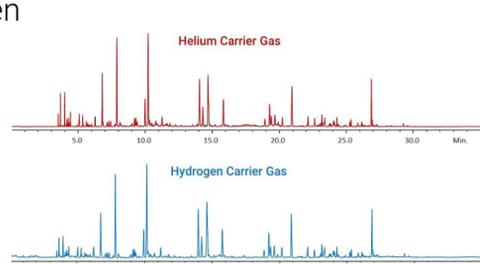
- Automatically switch to nitrogen carrier gas during GC idle time.
- Keep the flow path inert and the system at temperature during standby mode.



100% less helium used when you switch to hydrogen

Hydrogen is the best alternative to helium if you need speed and resolution. Built-in safety features on the 8850 GC give you peace of mind with hydrogen carrier gas.

- Optional **hydrogen sensor module** continuously checks for free hydrogen in the column oven.
- If a leak is detected, the instrument will vent, turn the hydrogen gas supply off, and shut down thermal zones.



A win for our Earth and your lab

The **Agilent Trade-In and Buyback Program** gives older or unused instruments new life through the **Agilent Certified Pre-Owned Instruments Program**. Plus, you'll earn cash toward your new 8850 GC. Don't worry about the planning, packaging, deinstallation, and return—we take care of it all.



Unleash the power of small

Discover how the Agilent 8850 GC can help your lab maximize productivity, efficiency, and uptime.

