



Agilent Intuvo 9000 GC System

DREAM BIGGER



INNOVATION WITH PURPOSE

Truly transformative innovation is much more than a clever idea made real. It must give users the power to change their world.

At Agilent, we innovate with purpose. We watch and listen. We examine customer workflow challenges. We draw on deep technical expertise. And every step of the way, the goals that motivate Agilent innovation are your goals: improving operator experience, laboratory operation, and business success.

Today, this process brings you the **Agilent Intuvo 9000 GC System** — a new breed of GC system from the industry leader in GC innovation. Intuvo is that rare transformative innovation: something that accomplishes GC in a completely new way, and clears a completely new path to productivity.

Think there's no more room for innovation in gas chromatography?

Take a look at Intuvo — and dream bigger.



Like all Agilent GCs, Intuvo is built on a legacy of robust excellence and unparalleled, gold-standard performance. Intuvo expands on this legacy by introducing a suite of innovative key enabling technologies available nowhere else: fast direct heating, ferrule-free fittings, Guard Chip retention gap technology, and no-trim columns.

Heating and Cooling: Why Wait?

Direct heating technology is a much faster and more efficient way to do GC. Now you can run your methods faster, in half the space, and using less than half the power normally required.

Flow Path Integrity: Now Anyone Can

Tired of dropping ferrules on the ground and having them roll under your lab counter? Tired of over-tightening connections and dealing with unwanted leaks? Intuvo uses ferrule-free face seals for all fittings within the sample gas flow path. This means that you simply install the Intuvo flow chips with a click, and never fuss with a ferrule again.

Column Performance: Protect, Don't Repair

Intuvo Guard Chip retention gap technology and no-trim columns work hand-in-hand. The Guard Chip is a disposable chip that is easily installed and replaced in less than a minute. This chip provides almost a meter of protection just before the Intuvo GC column. You will never have to trim a column again. Imagine, a 15-meter column will always be a 15-meter column — no more peak shifting!

THE PERFECT PARTNER FOR MASS SPECTROMETRY

By lifting existing operational limitations, Intuvo encourages you to re-imagine workflows, efficiencies, and outcomes. Bring Intuvo into your lab – and dream bigger.

Mass spectrometry operation can be optimized with modular flow path chips.

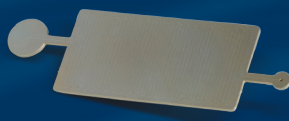
Mass spectrometry is designed into Intuvo. Guard Chip and backflush protection along with leak-free operation help enable the most sensitive MS measurement.

Direct heating saves time, improves productivity, and halves bench footprint.

Lower power consumption reduces your utility cost. Dramatically reduced heat output from run to run eases demands on your HVAC system.



Industry-proven GC columns configured in the revolutionary Intuvo form factor offer exceptional chromatographic performance and reliability.



Fast Intuvo Guard Chip replacement makes troublesome column trimming a thing of the past.



Agilent CrossLab

From Insight to Outcome

Agilent CrossLab Services help you work seamlessly across your labs to improve productivity.

To learn more, go to:
www.agilent.com/chem/intuvo

Productivity with Intuvo is complimented by all of Agilent's industry-leading GC sample introduction systems.

Optimal performance is achieved with any GC detector or single/triple quad mass spec.

Intuitive touch screen interface gives you real-time access to critical instrument status information.

Click-and-run connections allow you to easily change columns in under two minutes.

Smart keys on Intuvo columns and flow chips allow self configuration, monitor usage, and help automate method development.



Agilent OpenLAB

Advanced Software Control

Getting started with Intuvo means getting started with the Agilent software you already know: OpenLAB CDS and MassHunter. No training required.

INTELLIGENT. INTUITIVE. INNOVATIVE. INTUVO.

Modern GC labs face constant pressure to solve real problems in practical ways. Issues like handling challenging sample matrices, maintaining the integrity of critical data, and accommodating user training needs can lead to a significant investment in time and resources.

Intuvo proves its worth by providing a fresh new perspective and previously unavailable approaches for overcoming these challenges and more.

Lab Technicians: Solving the mystery of troubleshooting

Given that GC is often only one of many responsibilities of technicians in modern labs, finding the time to learn GC can be difficult. Avoiding occasional periods of unexpected downtime is a particular challenge, often requiring intimate familiarity with an instrument's behavior and history.

With Intuvo, the days of fumbling and second guessing while troubleshooting are over. Intuvo automatically measures several key instrument touch points simultaneously, with advanced status reporting that makes getting — and keeping — instruments in top operating condition a straightforward process, regardless of the user's skill level.

Getting expert-level results shouldn't require expert-level training, and Intuvo is the perfect GC to make it happen.

Lab Managers: Shining new light on the perplexing path to productivity

Between staffing, evolving workflows, and ever-rising productivity targets in the face of ever-shrinking budgets, managers in today's analytical labs are challenged. Faced with the prospect of bringing new technology into their world, it's instinctive to opt for the one that might make the least impact – simply because minimizing impact means minimizing negative impact.

It shouldn't be this way – and with Intuvo, it doesn't have to be. Intuvo features a host of innovations that are genuinely enabling, which simplify the process of getting predictably high-quality GC results from existing staff. From ferrule-free click-and-run connections and no-trim columns to column-preserving Guard Chips and smart ID keys, Intuvo keeps lab techs running more samples, easier, with the data quality you need.

Move beyond "do no harm" into a world of greatly improved manageability. Who doesn't want fewer things to juggle?

Business Owners: Finding ROI in unexpected places

With Intuvo, it's not only about returning value for investment, but about how it allows you to innovate your business process – the "bigger picture" impact that such a truly transformative innovation can have on your bottom line.

Intuvo introduces a powerful new metric into the business owner's calculus: Return on Innovation. By providing multiple advantages, savings, and efficiencies that impact factors across multiple GC lab functions, Intuvo clarifies a business owner's vision of how to develop and grow, maximize profitability, and minimize costs.

By being unconventional – in the very best sense of the word – Intuvo opens business opportunities not available to conventional thinkers.



ENVIRONMENTAL



FOOD



PETRO/CHEMICAL



FORENSICS



PHARMA

Application Versatility

Serving the Entire Analytical Lab

For over 50 years, Agilent has pioneered the technologies and techniques that define how gas chromatography is performed today. Agilent continues to push forward and open doors to better GC.

Beyond its industry-leading GC and GC/MS instruments, analyzers, and detectors, Agilent provides consumables, workflow solutions, software, and more to ensure success in applications from the most routine to the most complex.

Distributor Agilent Technologies

"Concern - Energomash" CJSC

Azatutyan avenue 26/8, Yerevan 0014, Armenia

Tel.: 20 97 77, 20 97 75, 20 97 74

E-mail: info@c-e.am

www.analytica.am, www.c-e.am

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