

NexisTM **GC-2030**

The Next Industry Standard



ANALYTICAL INTELLIGENCE

- Automated support functions utilizing digital technologies, such as M2M, IoT, and Artificial Intelligence (AI), that enable higher productivity and maximum reliability.
- Allows a system to monitor and diagnose itself, handle any issues during data acquisition without user input, and automatically behave as if it were operated by an expert.
- Supports the acquisition of high quality, reproducible data regardless of an operator's skill level for both routine and demanding applications.



The *Living* GC

- Designed with the Analyst in Mind
- Exemplary Robust and Efficient Performance
- Seamless Data Analysis and Management
- Exceptional Versatility and Productivity For Today and Tomorrow

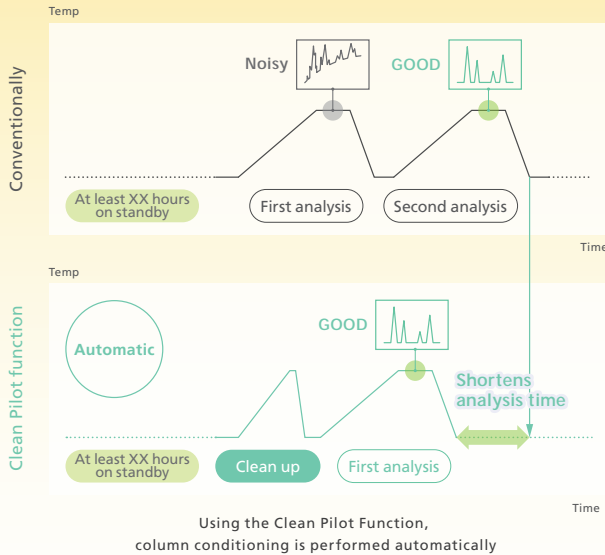
Designed with the Analyst in Mind

Automated Features for Higher Reliability

Sub-optimal GC conditions during sample analysis can be a problem as it leads to poor data quality.

That's why Nexis GC-2030 performs automatic checks before and during the run to give you a peace of mind.

- Automated Baseline Stability Check
- System Suitability Check Function
- Clean Pilot Function
- Self-Diagnostic Function
- Automatic Carrier Gas Leak Check Function*



**For H₂ carrier gas, get an optional H₂ sensor for additional safety too!*

Designed with the Analyst in Mind

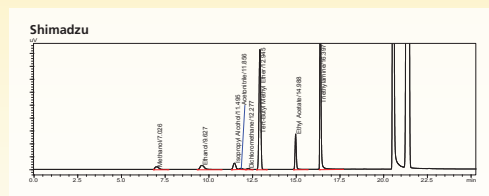
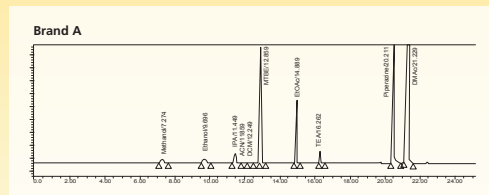
Easy Method Transfer in a Few Clicks

We know how frustrating it is to do method transfer.

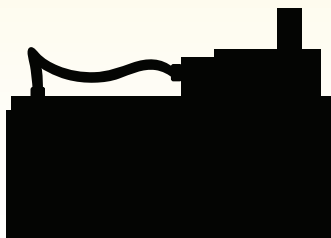
Now, you can save time and effort with our Nexis GC-2030 that enables smooth transfer of method parameters between different makes of GC.

Not to worry – it won't compromise on the reproducibility and sensitivity!

The results will be ideally the same, if not better.



Both obtain similar chromatograms using constant flow control mode



Brand A HS-GC



Shimadzu HS-GC

Exemplary Robust and Efficient Performance

Best-In-Class* Sensitivity & Reproducibility

Tired of repeating analysis?

We understand.

Rest assured that with our highly sensitive detectors and advanced flow controller (AFC), you can experience first-class robustness that gets you quality results every time.

Paired it up with our GC proprietary injection method AOC-30 Series for expanded capabilities!



AOC-30 Series Autoinjectors

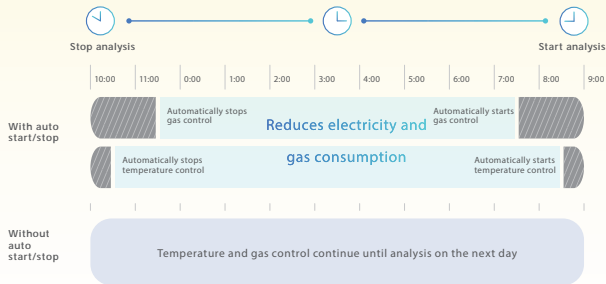
**As of July 2021, according to a Shimadzu survey*

Exemplary Robust and Efficient Performance

Maximum Operational Efficiency for High ROI



Directly access a GC unit in the laboratory from a smartphone or tablet computer



When instrument is not operated, the Automatic Start and Stop function minimises running cost.

Remote monitoring is essential to reduce risks, time, and cost. Get a complete oversight of laboratory operations by upgrading to LabSolutions Direct today! Enjoy even greater cost-savings with these features on Nexis GC-2030:

1. Automatic Protection of GC Column
Prolong column lifetime by preventing sudden temperature changes
2. Carrier Gas Saver Function & Optional Alternative Gas Selector
Besides lowering cost, you can perform different analyses readily!
3. Automatic Start-Stop Function
Resources are used only when needed

Seamless Data Analysis and Management

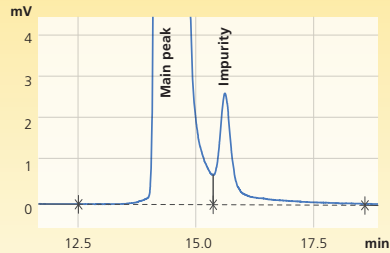
Large Data Processing in a Single Step

Manual integration of peaks can be slow and tedious, especially with large volumes of data.

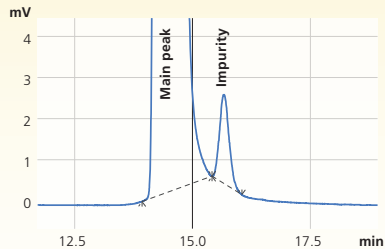
Replace the monotonous task with Shimadzu's proprietary i-PeakFinder that completes data processing with high precision in a single step.

- Minimum effort with peak processing results
- Support for simple mode and advanced settings
- Good feedback from customers after preliminary evaluation

You can save more time and gain more consistent results!



Baseline processing with no parameters specified



Baseline processing with complete separation

Seamless Data Analysis and Management

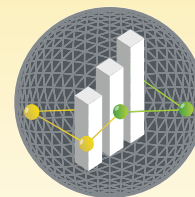
Fully Secured & Integrated Data Management

LabSolutions CS assures full compliance to regulations while offering the highest integrity and security in data management.

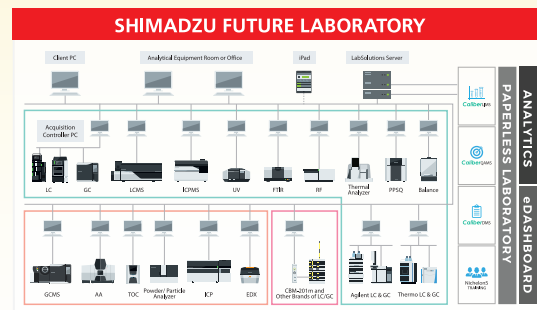
For a more integrated management, link it up with LIMS!

If you're keen to have data on instruments' productivity, our LabSolutions BiX is just right for you.

Learn accurate data insights on laboratory analytics easily through powerful visualizations and quick dashboards – whether you are a chemist, manager, senior management and/or CXOs, make better informed decisions with BiX today!



LabSolutions BiX
Brilliant | illumine | eXpense



**Exceptional Versatility and Productivity
For Today and Tomorrow**

Smart Innovations for Fast Maintenance

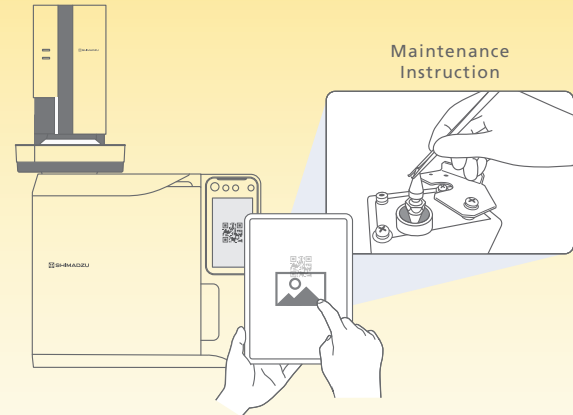
Spending too much time on maintenance?

We're here to speed things up!

With our smart Click-Tek™ tools, you can easily achieve leak-free installation of capillary column and change liners intuitively.

That's not all! Nexis GC-2030 also offers automatic monitoring of consumables' usage.

Now, receive timely notifications for replacements – no manual tracking is needed!



QR code navigation directs the user to a website with instructional videos on maintenance



ClickTek™ and Oven Light



ClickTek™ Nut

**Exceptional Versatility and Productivity
For Today and Tomorrow**

Future-Proof Laboratories for Wider Applicability

Future-proof is critical to remain adaptable to changing laboratories needs.

Stay agile with Nexis GC-2030's features:

1. Advanced Flow Technology

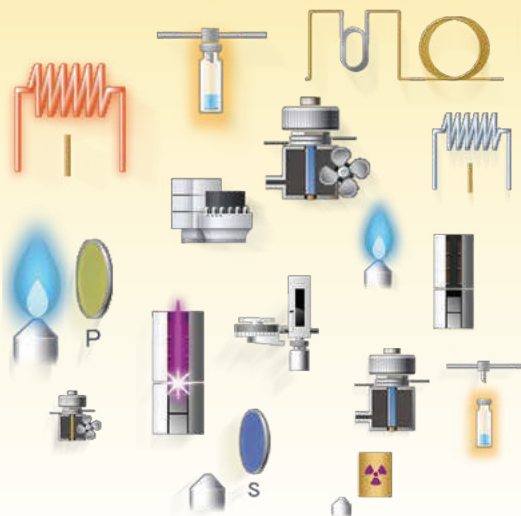
Increase analytical throughput to get faster turnaround time with its backflush, detector splitting, and heart-cut systems

2. Highly Sensitive Detectors For Variety of Analyses

Universal Detectors: FID and Shimadzu's proprietary BID
Selective Detectors: ECD, FPD, and SCD

3. Specialized Configurations for Specific Needs

We offer custom GC systems so that no time is wasted on method development



The Nexis GC-2030 is designed to house a multitude of injection units and detectors. It is truly capable and versatile.

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