

GAIN CONFIDENCE in your Chromatography Workflow

Gas chromatography (GC) is a valuable analytical tool used to separate, quantify, and identify compounds of interest. GC is widely used in applied science across a variety of industry settings, ranging from regulatory testing to quality assurance. However, non-scheduled operational and technical issues can lead to high running costs, low productivity, and reduced operational efficiency.

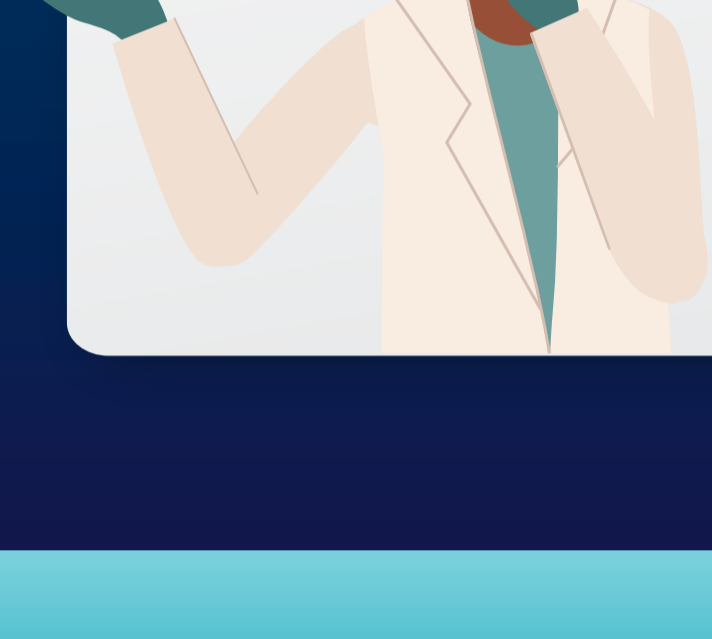
This infographic will explore the best ways to optimize the operating efficiency of GC systems and ensure cost-effective productivity in the lab.

TODAY'S LAB WORKFLOWS REQUIRE PRODUCTIVITY AND EFFICIENCY



Maximizing efficiency is crucial to ensure quality results, output demands, and a return on investment. Establishing the right workflow can help to increase scientific value and minimize wasted resources, whilst maintaining staff wellbeing in the lab.

Today's GC workflows demand optimal efficiency to ensure that industry standards are met. However, **many GC systems run at only 25-30% capacity** due to non-scheduled maintenance, troubleshooting, staff turn-over, training, and instrument performance losses.



BALANCING COSTS & TIME

It's important to develop a GC workflow that will meet business needs and enable the lab to function in a productive and effective way.

STAY AHEAD WITH MEASURABLY MORE PRODUCTION

The new TRACE 1600 Series GC and AI/AS Liquid Autosampler now offer extended uptime, cost savings, and ease of use that augments the productive power of the GC workflow. The same benefits can also be achieved when used in combination with Thermo Scientific mass spectrometry (MS) systems.



Thermo Scientific™ TRACE™ 1600 GC with Thermo Scientific™ AI/AS 1610 Autosampler

Thermo Scientific™ TRACE™ 1610 GC with Thermo Scientific™ AI/AS 1610 Autosampler



Thermo Scientific™ ISQ™ 7610 Single Quadrupole GC-MS with Thermo Scientific™ TriPlus™ RSH SMART Autosampler

Thermo Scientific™ TSQ™ 9610 Triple Quadrupole GC-MS/MS with Thermo Scientific™ TriPlus™ RSH SMART Autosampler



Resolve non-productive time

- Assisted planned downtime** (Consumables usage tracking and alerts, instrument health)
- Off-line cleaning** (Spare injector and detector modules available on hand)
- Quick and easy troubleshooting** (Spare modules available at hand)
- Best use of the hardware through modularity** (Interchangeable modules to reduce instrument idle time)
- Modules on-line purchasing** (Fast ordering and delivery) *NA and EMEA only

Reduce running costs

- Better consumables management** (Usage tracking and alerts)
- Carrier gas saving** (HeSaver technology)
- Bench space saving** (More units running on the bench)
- Reduced power consumption** (Reduced thermal mass oven for the fastest startup)
- Back up limited to spare module** (Replaced idle backup GCs)

Simplify workflow and streamlined adoption

- Facilitated operation** (How-to video through the touch screen)
- Tool-free column installation** (Thermo Scientific™ iConnect™ column lock)
- Easy access to the injector body** (Smart tube-free design of the inlets)
- Integrated backflush with SSL and PTV** (Simple hardware and method setup)
- Comfortable GC operation** (Illuminated GC oven, slide-in self aligned autosampler, illuminated and magnified syringe barrel)

A GC always ready to run | Fast track to profitability | Enhanced usability

Reducing costs provides a way to exceed profitability targets and stay competitive. With the TRACE 1600 Series GC, it's possible to save on power, gas, bench space, instrument hardware, and consumables.

Erroneous chromatographic results could potentially stop shipment or production processes and need to be fixed quickly



TRACE 1600 Series GC allows you to save up to

30% in cost

90% in time



Find out more about the Thermo Scientific™ TRACE™ 1600 Series GC

[CLICK HERE](#)

