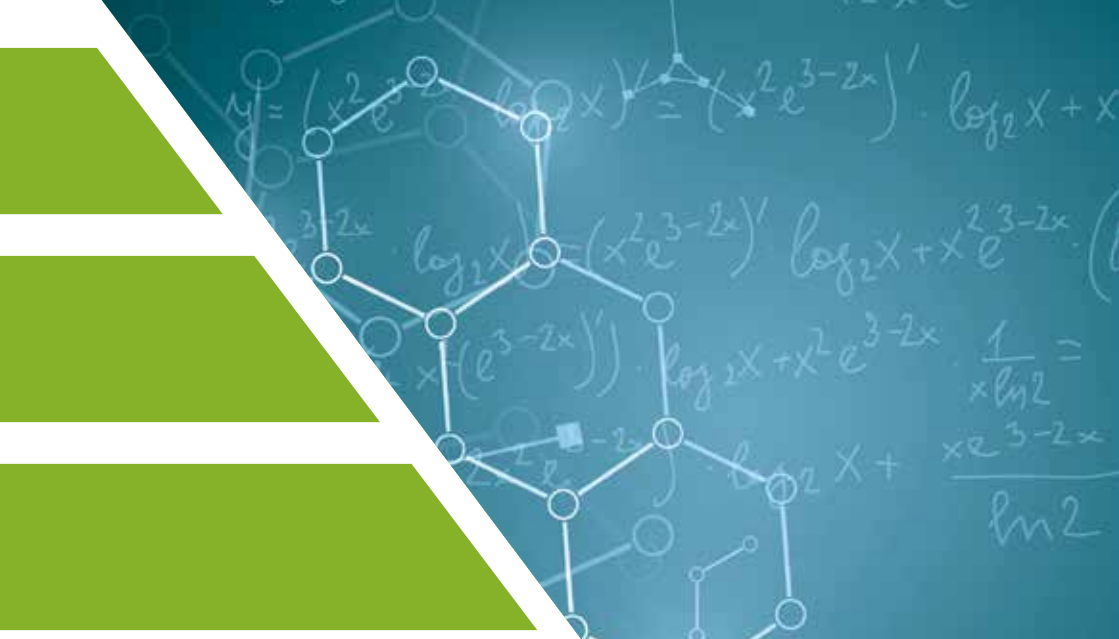


Your local *gas generation* partner



Gas Generators For SCIEX Systems



SCIEX approved vendor

Discover more at www.peakscientific.com/sciex

Our story

The Peak way

DESCRIPTION



Peak Scientific is a leading innovator in the design, manufacture and support of high performance gas generators for analytical laboratories. Established in the UK in 1997 near Glasgow (Scotland), where our corporate Headquarters and high-tech manufacturing and R&D facilities reside, Peak Scientific boasts a significant local presence on every continent - including major operations in North America, China and India.

With over two decades of experience in pioneering reliable gas generator technology, Peak Scientific develops market-leading nitrogen, hydrogen and zero air systems mainly for the field of LC-MS (Liquid Chromatography-Mass Spectrometry) and GC (Gas Chromatography).

What differentiates us is our world-class technical support and on-going service care throughout the generator's lifespan, wherever you may be in the world.

Our story

PEAK AND SCIEX

SCIEX, a global manufacturer of mass spectrometry solutions headquartered in Framingham, Massachusetts, has been working in conjunction with Peak Scientific for nearly two decades. A relationship which began in 2000 with the production of the NM20ZA generator, to meet the demands of all SCIEX systems up to and including the API4000 at that time. SCIEX have tested and approved all models of Peak Scientific generators which complement the full range of SCIEX systems.

DEDICATED GAS SOLUTION

Product Managers and Engineers from both organizations are in constant contact throughout the New Product Development process to ensure Peak's products can meet and exceed the specific gas requirements of SCIEX's range of LC-MS solutions.

In most cases, there is a dedicated Peak Scientific gas generator for whatever SCIEX LC-MS system you may have, purposely built to match the most efficient operating standards of each product.



Our story

MANUFACTURING EXCELLENCE



Our products are the result of our meticulous Research and Development culture developed over nearly two decades of being at the forefront of the gas generator market. We pride ourselves in the utmost care taken to assess specific application needs prior to designing and rigorously testing new products.

As we have expanded, so have our R&D capabilities, both technically and in terms of know-how, to the point where we are better equipped than ever to meet changing market demands. Implementing the latest manufacturing technologies and philosophies ensures that Peak continues to improve product quality, responsiveness and efficiency – all resulting in a better value proposition for our customers.

Operating from our ISO 9001 accredited manufacturing center of excellence in the UK every Peak Scientific generator is designed and independently tested to ensure compliance with all applicable safety standards.

Our story

PEAK PERFORMERS: OUR WORLD-CLASS PRODUCT PLATFORMS

Three distinct product series define our core offering to supply SCIEX mass spectrometer systems. Our best-selling Genius Series, designed mainly for LC-MS applications, is a self-contained system featuring integrated compressors, delivering laboratory-grade nitrogen at various pressures and flow rates. The Genius 1024 offers the exact flows and pressures for all 3 gases required by the majority of SCIEX instruments. whilst Genius XE SCI 2 has been developed with SCIEX for the latest SCIEX Triple Quad™ 7500 LC-MS/MS System – QTRAP® Ready and Echo® MS System*.

The Infinity & Solaris Series of nitrogen gas generators are silent-running compressor-free systems for laboratories with an in-house supply of clean, dry air - delivering nitrogen at a wide range of flow rates for either single or multiple mass-spec instruments. The Infinity 1031 has been engineered in standard and hi-flow versions to effortlessly handle varying flow requirements.

Developed exclusively for SCIEX, the MS Bench SCI range provides a modular workstation with provision for either integrated gas generation or a noise abating enclosure for roughing pumps.

* Echo and Echo MS are trademarks or registered trademarks of Labcyte, Inc. in the United States and other countries, and are being used under license.



Application Matrix

Application	Built in compressor	No compressor
Echo® MS System	Genius XE SCI 2	Infinity 1032
Triple Quad™ 7500 LC-MS/MS System – QTRAP® Ready	Genius XE SCI 2 MS Bench (G) SCI 2	Infinity 1032
X500 Series QTOF TripleTOF® 6600 6500+ Series 6500 Series TripleTOF® 5600+ 5500 series	Genius 1024 MS Bench (G) SCI 1	Infinity 1031
TripleTOF® 4600 4500 Series API 4000 Series API 3200 Series Triple Quad 3500	Genius 1024 MS Bench (G) SCI 1	
3200 MD	Genius XE 35	Solaris XE
4500 MD and Topaz® System	Genius 1024	Infinity 1031 Hi-Flow
ZenoToF 7600 LC-MS/MS system*	Genius XE SCI2 MS Bench (G) SCI2\	Infinity 1031
<p>Note: Some SCIEX models may be supplied with nitrogen gas only, please see the relevant site guide for additional details.</p> <p>For SCIEX models API5500, API4500 and the Triple TOF 5600, SCIEX recommend only Zero Grade Air to be used for SOURCE GAS (Gas 1/Gas 2) when operating a Nanospray Ion Source. When using UHP N2 with this ion source, there is an increased risk of corona discharge, which can damage the emitter tip. However; if customer is using the DuoSpray™ or Turbo V™ or PhotoSpray ion source, they can still use UHP N2 for Gas 1 and Gas 2.</p> <p>MS Bench (G) SCI 1 gas output is suitable for all instruments except IVD medical devices, all SCIEX Benchtop MS can be placed on MS Bench SCI 1. Vac Pumps for floor standing Triple TOFs can be placed inside MS Bench SCI 1</p> <p>* Please note that due to the larger size and increased weight of the ZenoTOF 7600 LC-MS/MS, the instrument cannot be situated on any Peak MS Bench.</p>		



“The instrument is quiet and provides high quality gas for our LC/MS system.”

Cindy Li, B. Braun Medical Inc., Sheffield, UK

Product

Genius 1024

DESCRIPTION

Designed exclusively for SCIEX applications, the Genius 1024 provides a compact single source gas solution for all SCIEX LC-MS systems (excluding MD).

The Genius 1024 is built around the trusted and proven technology of Peak Scientific's Genius series of generators. Designed mainly for LC-MS applications, these are self-contained systems featuring integrated compressors, delivering laboratory-grade nitrogen at various pressures and flow rates required by numerous instruments.

Features

Delivers nitrogen as curtain gas and dry air as source and exhaust gas at flow rates suitable for all single LC-MS systems (excluding MD).

Developed specifically for SCIEX LC-MS systems

Compressor based solution, no need for an external air supply

Service indication to allow planning of preventative maintenance

Minimal set-up required

Highly economical source of nitrogen gas with low lifetime running costs

Gas is supplied on demand so works to your schedule



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Genius 1024	19 L/min 26 L/min 25 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 100 psi / 6.9 bar 60 psi / 4.1 bar	713 x 600 x 750 mm 28.1 x 23.6 x 29.5"	Single SCIEX LC-MS (excluding MD)

Product

Genius XE SCI 2

DESCRIPTION

The Genius XE SCI 2 gas generator is a cutting-edge evolution in laboratory gas generation combining advanced technology with refined and robust engineering. A premium standalone nitrogen and air solution for the latest SCIEX LC-MS systems, Genius XE SCI 2 also supports the higher gas flow requirements of the recently released Echo® MS System.

Features

Designed specifically to meet exact demands of the latest SCIEX LC-MS systems when and if required, no manual input needed

24/7 performance- next generation high performance premium compressors, ensuring maximum uptime of your LC-MS instrument

ECO (Electronic Compressor Optimisation™) technology for increased compressor durability and reduced carbon footprint

Repeatability- Multi-Stage Purification™ to reduce moisture and contaminants providing consistent quality of gas

Low impact on laboratory with low noise and heat emissions



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Genius XE SCI 2	26 L/min 32 L/min 25 L/min	Curtain Source Exhaust	60 psi / 4.1bar 100 psi / 6.9 bar 70 psi / 4.8 bar	700 x 570 x 897 mm 28 x 23 x 36"	Echo® MS System, SCIEX Triple Quad™ 7500 LC-MS/MS System, ZenoTof 7600 LC-MS/MS system

“The new MS Bench SCI product line provides an innovative bench solution to our customers looking to optimize their lab space and reduce the footprint of their LC-MS system.”

Paul Johnson, Senior Product Manager (OEM), SCIEX



Product

MS Bench SCI 1

DESCRIPTION

Developed exclusively for SCIEX, the MS Bench SCI range provides a modular workstation with provision for either integrated gas generation or a noise abating enclosure for roughing pumps. MS Bench SCI is designed specifically for use with the current and latest mass spectrometers at SCIEX*.

Features

Designed exclusively for SCIEX to provide modular bench solution for all SCIEX LC-MS instruments*

Noise abated compartment suitable for housing vacuum pump(s) (non generator variant only)

'Genius Inside': true plug & play gas generation (MS Bench (G) SCI 1 only). No external compressed air source required.

Noise & vibration dampening, suitable for use as instrumentation bench

CSA / FCC / CE compliant

Chemical-resistant phenolic resin worktop

Self-levelling castor wheels for seamless installation with existing lab bench system

*MS Bench (G) SCI 1 gas output is suitable for all instruments except IVD medical devices, all SCIEX Benchtop MS can be placed on MS Bench SCI 1. Vac Pumps for floor standing Triple TOFs can be placed inside MS Bench SCI 1



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
MS Bench (G) SCI 1	19 L/min 26 L/min 25 L/min	Curtain Source Exhaust	65 psi / 4.5bar 100 psi / 6.9 bar 60 psi / 4.1 bar	762 x 914 x 787 mm 30 x 36 x 31"	SCIEX LC-MS instruments (excluding IVD medical device instruments)

Product

MS Bench SCI 2

DESCRIPTION

The MS Bench SCI 2 range provides a modular workstation with provision for either integrated gas generation or a noise abating enclosure for roughing pumps. MS Bench SCI 2 is designed specifically for use with the SCIEX 7500 LC-MS/MS System.

Two variants of the MS Bench SCI 2 are available. MS Bench (G) SCI 2 features a self-contained gas generator, providing a reliable and costefficient source of both nitrogen (Curtain Gas™) and clean, dry oil-free air for source and exhaust gas. The other variant, the MS Bench SCI 2, comes without the gas generator, instead providing a compartment below the bench, suitable for housing specific roughing pumps.

Features

Designed exclusively for SCIEX to provide modular bench solution for all SCIEX LC-MS instruments*

Noise abated compartment suitable for housing vacuum pump(s) (non generator variant only)

‘Genius Inside’: true plug & play gas generation (MS Bench (G) SCI 2 only).

Noise & vibration dampening, suitable for use as instrumentation bench

CSA / FCC / CE compliant

Chemical-resistant phenolic resin worktop

Self-levelling castor wheels for seamless installation with existing lab bench system



*For other SCIEX LC-MS instrument gas solutions see MS Bench (G) SCI 1, MS Bench SCI 1 and Genius 1024.

Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
MS Bench Sci 2	-	-	-	762 x 1040 x 787 mm 30 x 41 x 31"	SCIEX Triple Quad™ 7500 LC-MS/MS System
MS Bench (G) Sci 2	26 L/min 26 L/min 25 L/min	Curtain Source Exhaust	60 psi / 4.1bar 100 psi / 6.9 bar 70 psi / 4.8 bar	762 x 914 x 787mm 30 x 36 x 31"	Triple Quad™ 7500 LC-MS/MS System instrument ZenoTof 7600 LC-MS/MS system

Product

Infinity 1031

DESCRIPTION

Membrane technology is at the heart of the Infinity range, generating high purity nitrogen on-site to users with an existing air supply. With the ability to perform at its maximum, 24 hours a day, and minimum maintenance requirements, the Infinity range offers a durable, hassle-free solution for SCIEX LC-MS systems.

Features

Capable of supplying most Sciex LC-MS systems

24/7 operation at optimum performance

Gas is supplied on demand so generator works to your schedule

Few moving parts means little maintenance required and ensures long life of the generator

Minimal set-up required

Completely silent in operation

12 month comprehensive on-site warranty



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Infinity 1031	19 L/min 26 L/min 25 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	760 x 365 x 200 mm 29.9 x 14.4 x 7.9"	1 x SCIEX LC-MS
Infinity 1032	38 L/min 52 L/min 50 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	730 x 423 x 250 mm 28.7 x 16.7 x 9.8"	2 x SCIEX LC-MS
Infinity 1033	57 L/min 78 L/min 75 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	730 x 423 x 250 mm 28.7 x 16.7 x 9.8"	3 x SCIEX LC-MS
Infinity 1034	76 L/min 104 L/min 100 L/min	Nitrogen Dry Air Dry Air	65 psi / 4.5bar 110 psi / 7.6 bar 60 psi / 4.1 bar	960 x 365 x 250 mm 37.8 x 14.4 x 9.8"	4 x SCIEX LC-MS

Product

Solaris XE

DESCRIPTION

Peak Scientific's Solaris XE generator has been engineered using membrane technology to meet the gas delivery requirements for labs using LC-MS or multiple lower flow nitrogen instruments such as ELSDs or Compact Mass Spectrometers. Solaris XE can operate with varying flow rates (up to 35L/min of high purity nitrogen), purity (up to 99.5%) and outlet pressure can be adjusted down from 116psi, offering a flexible solution for a variety of applications.

Features

- Nitrogen up to 35L/min, up to 116 psi and up to 99.5% purity
- Variable outlet flow, pressure and purity
- Compact, stackable system maximizing the use of valuable laboratory floor or bench space
- Colour indicative LED lighting for easy status awareness
- Manufactured and tested to highest spec in UK, CE/FCC/CSA certified



Product	Flow Rate	Gas Output	Pressure	Size (HxWxD)	Application
Solaris XE	35 L/min	Nitrogen	116psi / 8 bar	156 x 343 x 650 mm 6.2 x 13.5 x 25.6"	LC-MS, LC-MS/MS or Multiple ELSDs

Peak Protected

Safeguard your laboratory workflow with **[PEAK Protected]**TM

Servicing any equipment in your lab should not be seen as just an option, it should be treated as a necessity. With many moving parts and wear & tear, especially where generators feature integrated compressors, as well as filters and other 'consumables', a gas generator needs to be maintained regularly to continue to perform at its best for many years.

Here at Peak we see your gas generator as the beating heart of your laboratory, enabling your analytical instruments to perform and achieve the results you need. With this being the case it is extremely important you look after your 'beating heart' to ensure the best possible results.

We offer a range of [Peak Protected] services to suit your particular needs.



Premium Plan
Complete maintenance care with 24 hour rapid response breakdown cover



Complete Plan
Complete maintenance care with guaranteed response time breakdown cover



Fixed Price PM
Preventative maintenance carried out by an expert Peak engineer at a time that suits you



Supported Plan
Preventative maintenance support specifically for compressor-less generators



Paid Repairs
On-site repairs carried out by a certified Peak FSE in case of a breakdown



Replacement Parts
Genuine Peak parts with express delivery, ensuring optimal performance and lifetime



Installation
Trained Peak FSE will visit to install and commission your generator



IQ/OQ
Certified assurance for applications requiring documented qualification



Support Hotline
Around the clock support by phone or online with our global technical helpdesk

Not all warranties are equal.

What differentiates Peak from other gas generator manufacturers is that a Peak gas generator comes with a truly comprehensive on-site warranty. This means that in the unlikely event that your gas generator develops a problem, we will send a Peak Certified Field Service Engineer to your laboratory to try to resolve the issue on-site and get you back up and running with minimal fuss and disruption.

What's more, when we say fully-comprehensive, we mean it. Every part of your generator is covered during warranty. While other manufacturer warranties may only cover certain components or require the return of your generator to the factory for repair, leaving you without gas for weeks or even months, our warranty is designed to give you complete peace of mind.

To find out more about our unique warranty, visit www.peakscientific.com/warranty

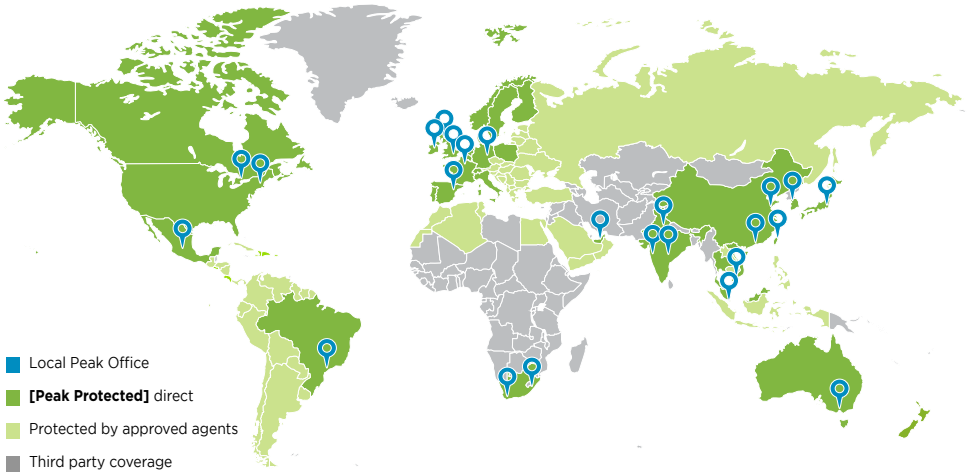
Our Brand Promise

Our priority is
your complete
satisfaction

Our commitment is to provide you with a reliable gas generation solution that adds value to your workflow. We achieve this through robust product engineering, our unique comprehensive 'repair or replace' warranty, and a global on-site maintenance service that is unmatched in our industry.

Our priority is your complete satisfaction. By taking due care of your gas flow, we give you peace of mind and enable you to focus on your workflow. This is the Peak Promise.

Your local gas generation partner



Peak Scientific has highly trained, fully certified Field Service Engineers located in over 20 countries across every continent around the world. This allows us to provide an industry-leading rapid response service to our customers. With **[Peak Protected]**, your laboratory's productivity becomes our top priority.

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