

Your local *gas generation* partner



A **PEAK** gas generation brand



## MS Bench SCI

Modular LC-MS bench system  
designed exclusively for **SCIEX**.

Discover more at [www.peakscientific.com/sciex](http://www.peakscientific.com/sciex)

# Seamless integration



## Laboratory grade workspace

Featuring a high-specification phenolic compact laminate benchtop, the MS Bench SCI gives you over 7.5 square feet of durable, chemical-resistant work surface in your laboratory. Two models in the range provide a modular, optimised solution for positioning your SCIEX LC-MS, with the vac pump variant for the mass-spectrometer itself and the generator variant recommended for locating the HPLC upon.

## Noise abating vacuum pump enclosure

The MS Bench SCI is designed primarily as a workstation to locate your SCIEX mass-spectrometer upon, with provision for vacuum pumps (also known as roughing pumps) to be located inside the bench unit, keeping noise and vibration to a minimum. The MS Bench SCI also features up-rated extraction fans to effectively and safely manage heat output from the pumps.

## Ease of install and service

Both models are simple to install and easy to maintain, thanks to the durable self-levelling castor wheels, easy connections on rear of unit and all key servicing carried out from the front - meaning the MS Bench SCI doesn't need to be moved once installed. MS Bench SCI benefits from an innovative system allowing the generator or roughing pump mounting tray to be slid out the front, for easy access by trained service professionals to conduct maintenance.

## Key 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 for SCIEX mass-spectrometer (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.

## Raising the bar with what's under the bench

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.\*

Two variants of the **MS SCI Bench** are available, both identical in form factor, aesthetics and work surface.

**MS Bench (G) SCI** features a self-contained gas generator, providing a reliable and cost-efficient source of both nitrogen (Curtain Gas™) and clean, dry oil-free air for source and exhaust gas at flows and pressures configured to meet SCIEX instrument requirements (excluding IVD medical device instruments). The other variant, the **MS Bench SCI**, comes without the gas generator, instead providing a compartment below the bench, suitable for housing up to two MS roughing pumps.



### Stylish and ergonomic

Contemporary aesthetics and practical industrial design define Peak products and this is every bit the case with MS Bench SCI. Styled to align seamlessly with the modern look of SCIEX LC-MS instruments, and match other bench/workstation elements available separately from SCIEX, the MS Bench features clean sharp lines, high grade finishes and work surfaces. The front fascia is clutter free, with discrete status LED lighting (system ready, high duty) providing visual indication at a glance.

### Genius Inside

The MS Bench (G) SCI is a market innovation in combining LC-MS workstation form factor with Peak's validated and compliant Genius 'plug & play' gas generator technology (no external compressed air source required) fully integrated inside the unit. With built-in high performance compressors, and the same proven membrane, filtration and dryer technologies used in the Genius 1024 (for SCIEX), the MS Bench (G) SCI offers a unique space-saving solution.

# MS Bench SCI

## Technical Specifications

	MS Bench SCI 1	MS Bench (G) SCI 1
Minimum Operating Ambient Temperature	5°C (41°F)	
Maximum Operating Ambient Temperature	30°C (86°F)	
Curtain Maximum Flow <sup>^</sup>	N/A	19 L/min @ 4.5 bar (0.67 cfm @ 65 psi)
Source Maximum Flow <sup>^</sup>		26 L/min @ 6.9 bar (0.92 cfm @ 100 psi)
Exhaust Maximum Flow <sup>^</sup>		25 L/min @ 4.1 bar (0.88 cfm @ 60 psi)
Particles		<0.01µm
Phthalates		None
Suspended Liquids		None
Fans	8 x Fans	
Electrical Requirements	10: 85-264 VAC 50/60 Hz,1 Amps	220 - 240v ±10% 50/60 Hz,7 Amps
Power Consumption	200VA	1,100VA
Maximum Heat Output	784 BTU/hr	3753 BTU/hr
Noise Level	Noise abating to 54dB(A)	59dB(A)
Usable Compartment Space (H x W x D)	465 x 650 x 470 mm 18.3 x 25.6 x 18.5"	630 x 290 x 680 mm 24.8 x 11.4 x 26.7"
MS Bench Dimensions (H x W x D)	762 x 914 x 787 mm / 30 x 36 x 31"	
MS Bench Weight	103kg (227.1 lbs)	160kg (352.8 lbs)
Max Weight Load	272kg (599.7lbs)	215kg (474lbs)

<sup>^</sup>NOTE – These performance characteristics are valid only when paired with an approved Sciex application. Please refer to current application matrix for a list of supported products.

## Ordering Information

Part Number	3302382	3302383
Annual Service	<b>visit:</b> <a href="http://www.peakscientific.com/ordering">www.peakscientific.com/ordering</a>	
Complete Maintenance Plan		

## World Class Customer Service

With all Peak Scientific products comes industry leading support from **[Peak Protected]™**. With Peak certified engineers located across the globe you can be sure that on-site product support is never far away. With Peak, gas is one less thing for your lab to worry about.



### 24 Hour Response

Rapid response service engineer network, guaranteed on-site within 72 hours globally, 48 or 24 hours available in some regions.



### Manufacturer Approved Parts

All components are engineered and tested to ensure optimal performance in your generator.



### 95% First Time Fix

Having dedicated Peak engineers around the world means most issues are resolved on first visit – 95% of the time in fact.



### Installation

A dedicated Peak engineer will visit your lab to install and setup your generator.



### Certified Engineers

Over 100 dedicated, fully certified direct Peak Service Engineers globally, with expert knowledge in troubleshooting and fixing any generator.



### Global 24hr Technical Support

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

**Contact us today** to discover more!

**Web:** [www.peakscientific.com/sciex](http://www.peakscientific.com/sciex)

**Email:** [discover@peakscientific.com](mailto:discover@peakscientific.com)