



Ellutia
Chromatography Solutions



500 Series Autosampler



Liquid Injection

Delivers standard or large volume injection of up to 500µl. The 500 Series Autosampler performs liquid samples introduction with the ability to control injection speeds from ultra fast to very slow for optimised, reproducible results. Streamlined design with robust engineering gives analysts confidence.

Liquid Injection Option

Consisting of

- 105 position 2 ml tray
- Syringe and syringe holder

Tray and other stations

- 2 ml tray; 105 position (up to 4 trays)
- 10 - 20 ml tray; 32 position
- Custom trays available

10 ml Rinse/Waste Station - 4 positions

100 ml Rinse/Solvent - 2 positions with a waste port

Mounting hardware available for various GC platforms



Headspace

The 500 Series Autosampler puts you in control of the productivity. With user friendly software that enables the analysis of multiple samples at a time, the 500 Series Autosampler optimises your GC or GC/MS's productivity. The syringe is heated and purged with clean carrier gas to prevent carryover.

Headspace Option

Consisting of

Incubation/Agitation Station

- 6 Position vial holder for 20 ml headspace vials
- Capable of holding 2 ml and 10 ml vials with inserts
- Heating capability up to 200°C
- Agitation of all 6 positions from 250-750 rpm

Syringe Heater Accessory

- To accommodate 1 ml or 2.5 ml headspace syringes
- Heating Capability up to 150°C

SPME

The 500 Series Autosampler provides automation to your liquid and headspace SPME analysis including fibre conditioning, sample extraction and fiber desorption. Derivatisation can be performed on the fiber or reagents added to the sample prior to extraction. The 500 Series Autosampler can handle all commercially available fibers.

SPME Option

Consisting of

Needle/fiber Conditioning Station

- Single Position fiber conditioner with sweep gas
- Heating Capability up to 350°C

SPME fiber holder



Specifications

Power

100-240 VAC, 50/60 Hz, 3-1 A

500 Series Autosampler Configure

Industrial strength M2M wireless connectivity to streamline operations ensures that all future upgrades are compatible

On board help and parameter information optimises method generation and user adoption

Time saving sample prep by mouse click for highest efficiency

Sequence integration

User Friendly drag and drop functionality

No expensive software upgrades to purchase

One PC controls multiple systems

Stand alone operation with any analysis system

500 Series Autosampler Method Developer

Maximise productivity through overlapping prep routines to optimise GC productivity

Simplified from drop down menu options that can be easily edited with no need for macro programming

Real time run status screen enables up to the minute analyst confidence

Automated calibration tray and accessories maximises traditional set up time

Unsurpassed agility with line by line editing capability without sequence interruption

Increased headspace productivity with upfront sample preparation functionality

Syringe Speeds

Liquid Injections

Syringe Size	Vol Per Step (0.00192")	Min Injection rate (µl/sec)	0.01 µl/sec capable	500µl/sec Capable	Max injection rate (µl/sec)
5 µl	0.00408 µl	0.00408	x		25.4
10µl	0.00817 µl	0.00817	x		50.8
25 µl	0.02043 µl	0.02043			127
100 µl	0.08170 µl	0.08170		x	508
250 µl	0.20160 µl	0.08170		x	1200
500 µl	0.40851 µl	0.40851		x	2400

Headspace Injections

Syringe Size	Vol Per Step (0.00193")	Min Injection rate (µl/sec)	0.01 µl/sec capable	500 µl/sec capable	Max injection rate (µl/sec)
1.0 ml	0.81699 µl	4.49344		x	1270
2.5 ml	2.04248 µl	11.23364		x	3175

The 500 Series Autosampler, with sample preparation functionality, delivers simplified automation of Liquid Sample Preparation.

This includes:

Dilution and Extraction

Addition of Internal Standards

Derivatisation

Heating and Mixing

Overall Value

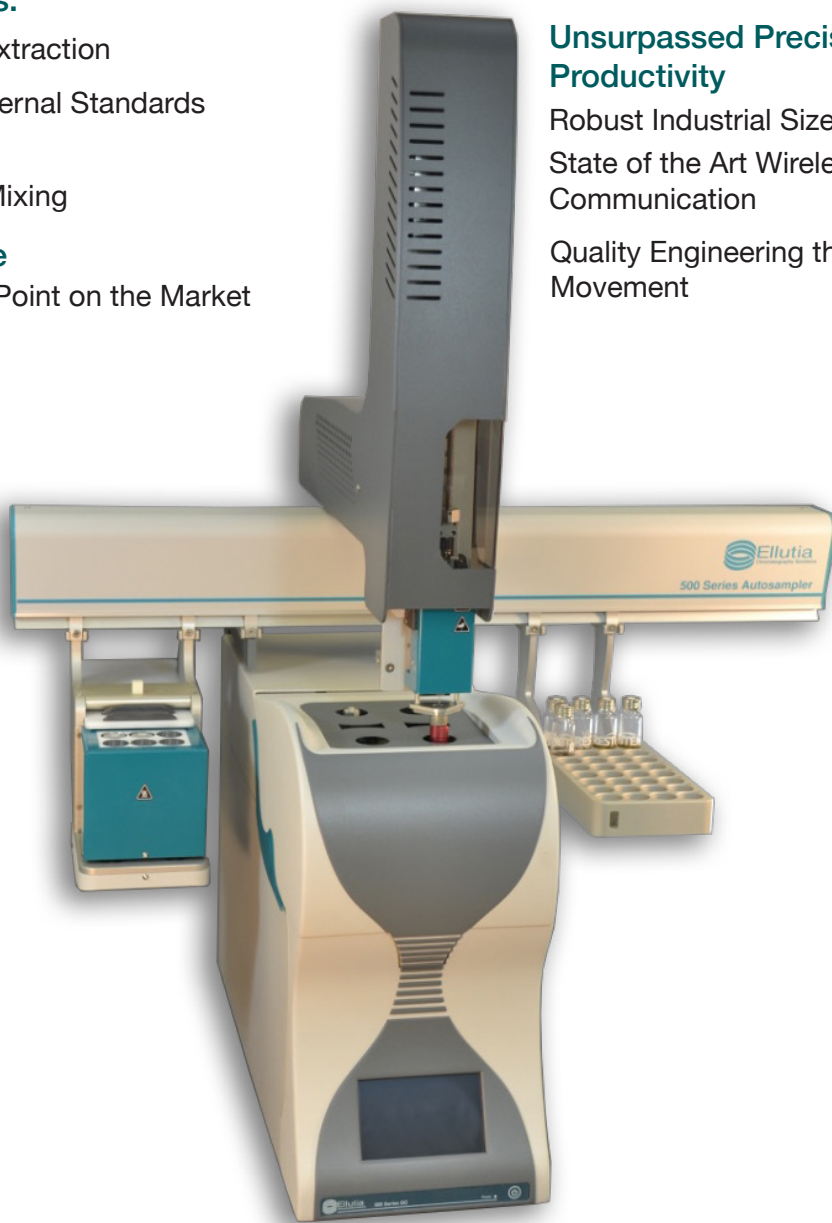
Lowest Price Point on the Market

Unsurpassed Precision and Productivity

Robust Industrial Size T-rail

State of the Art Wireless MSM Communication

Quality Engineering through Multi Access Movement



500 Series Autosampler Method Routines		Routine	Rinse	Wait	Air Volume	Gap Sample	Solvent Plug	Standard Addition	Single Port Injection	Multi-Port Injection	Incubate/Agitate	Sample Injection	Sample Fill	Extraction	Desorption	Sweep Needle	Condition Fibre	Sample Preparation	Gas Standard Addition
Method Type	Liquid	X	X	X	X	X	X	X	X	X	X					X		X	
	Headspace		X	X			X				X	X	X			X		X	X
	SPME				X						X			X	X		X	X	



UK Tel: +44 (0)1353 669916 Fax: +44 (0)1353 669917

USA Tel: +1 843 259 2307

Germany Tel: +49 (0)561 400 0430 Fax: +49 (0)561 400 0429

Email: info@ellutia.com Website: http://www.ellutia.com