



www.uvison.com

UVISON

Technologies

For all your HPLC, GC, Spectroscopy
& Dissolution service needs

Where are we based?

Uvison HQ is based in Sevenoaks, KENT and it encompasses the following facilities:

- Service workshops
- Laboratories
- Training rooms
- Demonstration suites
- Warehousing
- Total 18,000 ft² (1675m²)



What can UVISON Technologies offer you?

- Highly qualified Field Service Engineers
- Rapid response times
- Bespoke service contracts for a wide range of laboratory instruments
- Preventative Maintenance & Performance Qualification
- Parts and consumables for all instrument manufacturers
- A range of laboratory instruments for sale with performance guarantees.



Some of our Key Partnerships

Waters
THE SCIENCE OF WHAT'S POSSIBLE.™

 **ChromaCon**

accroma
accuracy is key

 **GBC**
SCIENTIFIC EQUIPMENT

 **SWISSGAS**

LABINDIA
ANALYTICAL
WHERE COMMITMENT IS CULTURE

 **QLA**
QUALITY LAB ACCESSORIES

 **Sciencix**

UVISON
Technologies

Laboratory Instrument Support



Hardware and Software Assistance

Product support when you need it most

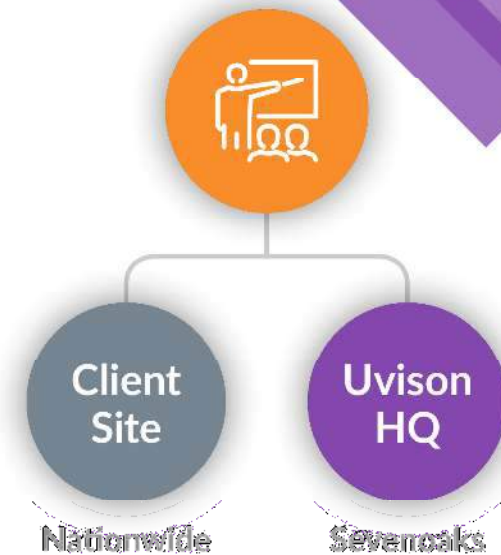
- 48 hour response time
- Minimal downtime - minimal disruption
- Uvison support your hardware and software for the lifetime of your equipment
- Compliance with any current or future regulatory requirements



Training courses to meet your requirements

- We offer software and hardware training courses held at our UK headquarters in Sevenoaks, Kent – or we can come to you!

For further information on
exclusive Uvison training courses
please call 01322 285850



Instrument validation and certification

ISO, MHRA or FDA regulated environment?

- Uvison can offer your organization a bespoke Performance Qualification (PQ) protocols to aid you in your laboratory compliance needs
- We provide validation certification for all aspects of GLP/GMP and ISO regulated areas
- We work with the UK's leading pharmaceutical companies to ensure that our protocols meet the high standards and expectations



Summary of UVISON Technologies

6 key points to remember about UVISON

1

The ability to PQ all manufacturers instruments.

2

Full, proven and detailed operational procedures.

3

Nationally traceable calibrators and standards.

4

Formal certificates of successful performance qualification which are produced on site before we leave.

5

Traceably trained performance qualification engineers.

6

Independence of OEM's and user company.

Come and Visit our Show Room!

We offer a wide range of new products available to view and demonstrate performance capabilities.



Our Show Room is based in Sevenoaks, Kent.

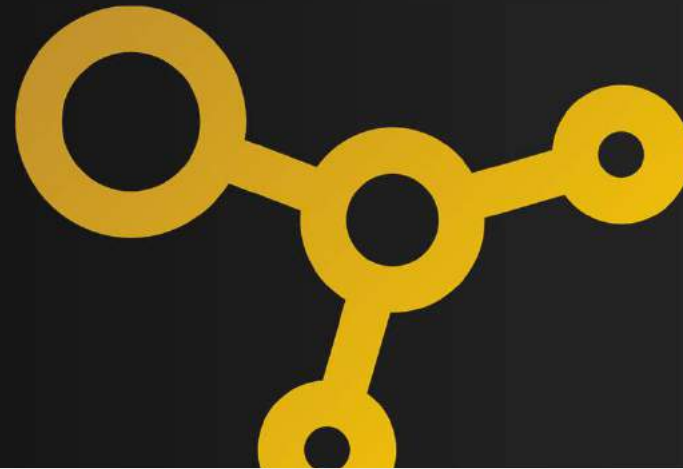
Please contact us to book an appointment to have a bespoke equipment setup demonstrated and tested for your specific methods.

www.uvison.com





SWISSGAS



www.lni-swissgas.eu

Remote Access
For all our generators !





SWISSGAS

The smallest
H₂+Air generator !





SWISSGAS

The LCMS N₂
generator with
scroll!



Scroll technology!

HG Pro

Carriers gas

H₂

N

A

- ✓ **Performances** - up to 1300 cc/min up to 16 bar
- ✓ **High purity:** 99.99999%
- ✓ **Security** – password protected menu
- ✓ **Safety** – self monitoring of 20 parameters
- ✓ **Lab safety** – H₂ sensor network on GC oven or lab
- ✓ **Expandable** – parallel mode, Zero Air, water tank
- ✓ **Com** - USB, LAN, WiFi for remote service
- ✓ **Economy** - Dryer with no maintenance

HydroGen



R Evolution
in Gas Generators

HG Rack 2U

Carrier, FID

HydroGen
+ AirGen

H₂

- ✓ Dual H₂ + Zero Air
- ✓ Hydrogen flow rate up to 350 cc/min
- ✓ ZeroAir flow rate up to 2000 cc/min
- ✓ Hydrogen purity: 99.99999%
- ✓ RS 485 and USB, LAN
- ✓ Dryer with no maintenance
- ✓ Reduced height 2U
- ✓ WiFi remote operation + diagnostic



R Evolution
in Gas Generators

ZA FID AIR

FID Air

- ✓ **High flow rate** - up to 15 L/min @ 7 bar
- ✓ **Com** - RS 485 as standard
- ✓ **Purity** - < 0.05 ppm THC
- ✓ **Economy** - No maintenance
- ✓ **Stackable** - with HG Basic and HG Pro



HydroGen
+ AirGen
+ NitroGen

R Evolution
in Gas Generators

Castor XL

LCMS, solvent evaporation

NitroGen

- ✓ **Scroll** – low noise, vibrations and heat generation
- ✓ **Economy** - Exclusive regulation with inverter
- ✓ **Dual** – Nitrogen + Air
- ✓ **WiFi** – remote access for fast service
- ✓ **Membrane** – Trusted filtration technology
- ✓ **Low maintenance** – 20'000 hours service free



Scroll technology!

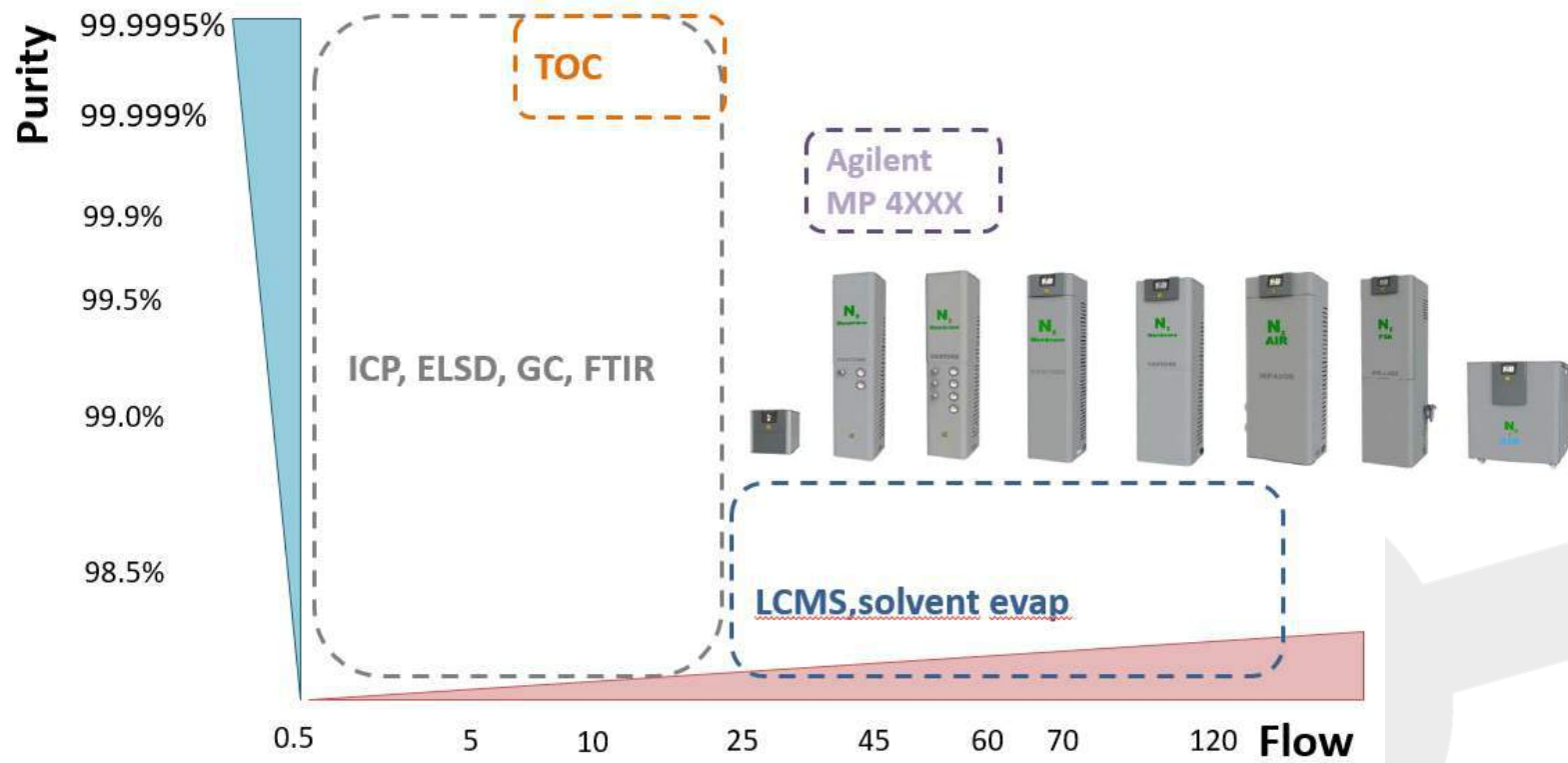
R Evolution
in Gas Generators

All Nitrogen Applications !

LCMS, ICP, ELSD, GC, FTIR, TOC, MP 4XXX, solvent evaporation

NitroGen

H
N₂
A



R Evolution
in Gas Generators

NITROGEN PRODUCT RANGE

LNI Swissgas solutions with nitrogen generators



Family	CASTOR	CASTOR	CASTOR	CASTOR	CASTOR	CASTOR	CASTOR	POLLUX	POLLUX	EOLO	EOLO	SIRIO	CASTOR
Model	BASIC	BASIC 180	3G	PRO	PRO 120	MP4000	XL	40	100	EOLO	XL	SIRIO	PRO HP
N2 max flow	60 l/min	180 l/min	60 l/min	60 l/min	120 l/min	30 l/min	70 l/min	40 l/min	100 l/min	4 l/min	18 l/min	5 l/min	8 l/min
N2 max pres.	7.5 bar	7.5 bar	7.5 bar	9 bar	8.5 bar	9 bar	10 bar	8 bar	8 bar	7 bar	7 bar	5 bar	9.5 bar
N2 purity	99.5%	99.5%	99.9%	99.5%	99.5%	99.7%	LCMS grade	99%	99%	99.999%	99.999%	99.999%	99.9%
Purity achieved @	45 l/min	180 l/min	45 l/min	60 l/min	120 l/min	30 l/min	70 l/min	40 l/min	100 l/min	0.73 l/min	10 l/min	1.5 l/min	8 l/min
Air max flow	-	-	3 x 25 l/min	40 l/min	-	40 l/min	60 l/min	-	-	-	-	-	-
Air max pres.	-	-	7.5 bar	9 bar	-	9 bar	10 bar	-	-	-	-	-	-
Technique	membrane	membrane	membrane	membrane	membrane	membrane	membrane	PSA	PSA	PSA + CAT	PSA + CAT	PSA + CAT	membrane
Compressor	-	-	-	-	-	-	yes	yes	-	-	-	yes	-
Control	pneum	pneum	pneum	electron	electron	pneum	electron	electron	electron	electron	electron	electron	electron
LCMS, solvent evap	yes	yes	yes	yes	yes	yes	yes	yes	yes	-	-	-	-
ICP, ESD, DSC, TGA, TOC	-	-	-	-	-	-	-	-	-	yes	yes	yes	yes
Agilent MP AES 4XXX	-	-	-	-	-	yes	-	-	-	-	-	-	-
ICP, TOD, DMA, TMA	-	-	-	-	-	-	-	-	-	-	yes	-	-
GC, TGA, DSC	-	-	-	-	-	-	-	-	-	-	yes	-	-
Applications	LCSM, solvents evaporation							High Purity					

LNI Swissgas cover all main analytical applications requiring nitrogen with on-site gas generators