



# Introduction to the VisION platforms

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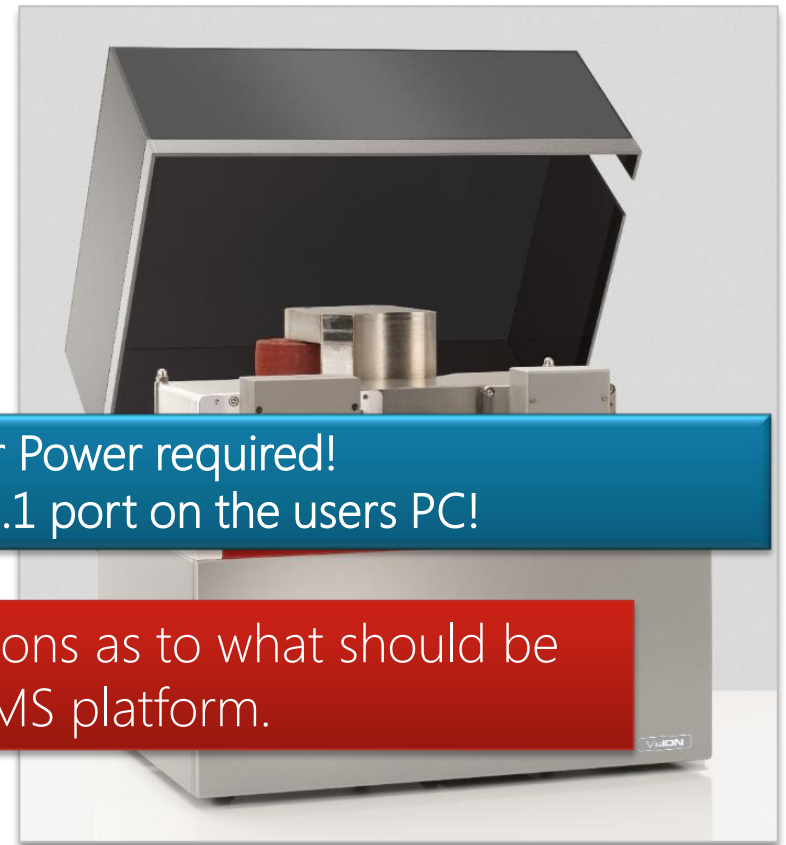
# New: VisION Isotope Ratio System

A 21<sup>st</sup> Century VisION



VisION

- Completely **new Isotope Ratio System** released in Oct 2013
- Simplicity and analytical power combine to create a system with a previously unseen level of **intelligence**
- The **smallest** instrument we have ever created
- Fundamentally geared to new users whilst offering experienced scientists exciting **new capabilities**
- Revolutionary **new software** and hardware synergy for the 21<sup>st</sup> Century

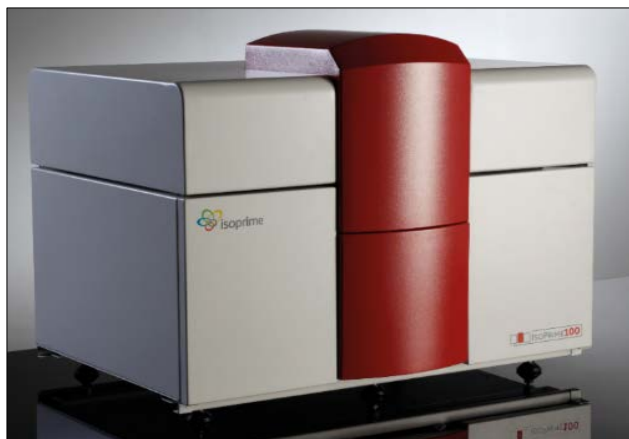


No Special PC connections or Power required!  
Power 110V for operation & a USB 1.1 port on the users PC!

Designed to *redefine* users expectations as to what should be expected from their IRMS platform.

# New: VisION Isotope Ratio System

An Instrument for Every Application



## ISOPRIME100

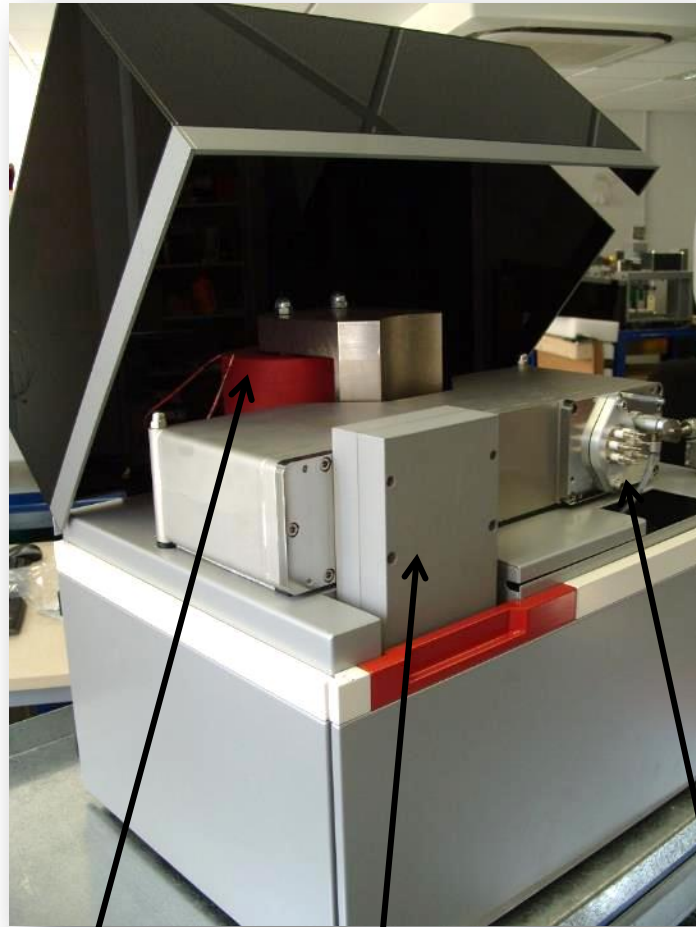
- High Performance IRMS
- Over 600 instruments installed world wide
- Multi-Collector capable for novel applications: Isotopomers, Isotopologues, SO fractions etc.
- Dual Inlet compatible for ultra-high sensitivity analysis of carbonate and water samples
- Compatible with user developed/customised interfaces



## VisION

- Dedicated to GC and Elemental analysis
- High levels of automation and intelligence for minimal instrument contact time
- Offers market leading capabilities for sensitivity and performance
- Targeted at new stable isotope scientists and those looking for a true workhorse instrument
- Provides a straightforward IRMS setup for experienced users.

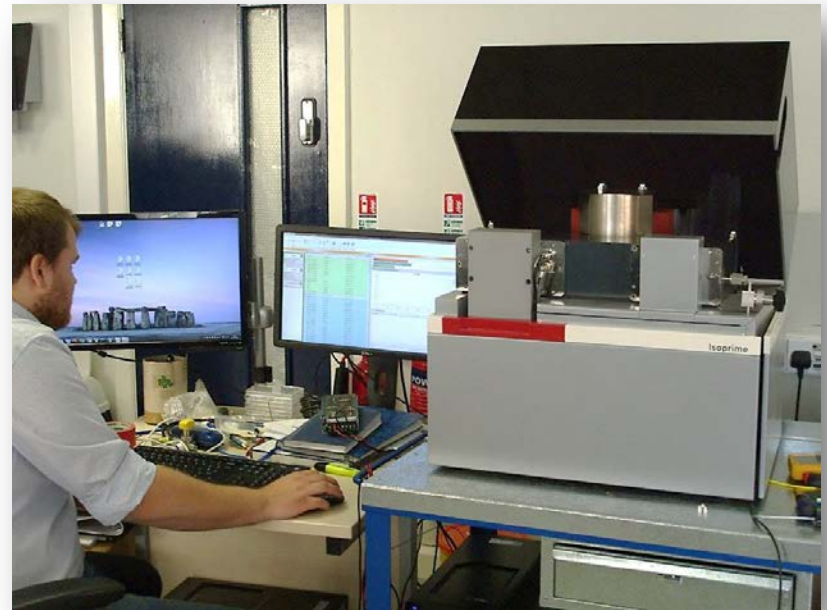
# New: VisION Isotope Ratio System



**Magnet**

**100V Head  
Amp**

**Source**



**Gas Control**

# New: VisION Isotope Ratio System

A New Software Experience



# ionOS

- **Good-For-Go** control for completely automated instrument set-up for when you want to start!
- Work through large data sets simply and quickly with **powerful algorithms**
- Simple presentation of results with **batch statistics** and **long term data compilation**
- Fully automated, intelligent **stand-by and wake-up** modes for reduced power and gas consumption
- Supports **multiple languages** and various **user access levels**
- Windows 8 and tablet compatible
- Possible to import and process data from **ALL other IRMS systems** quickly and easily

# New: VisION Isotope Ratio System

Full, Automated Gas Control



CentrION is the fully integrated gas-handling system for the VisION platforms.

The CentrION system has been designed to:

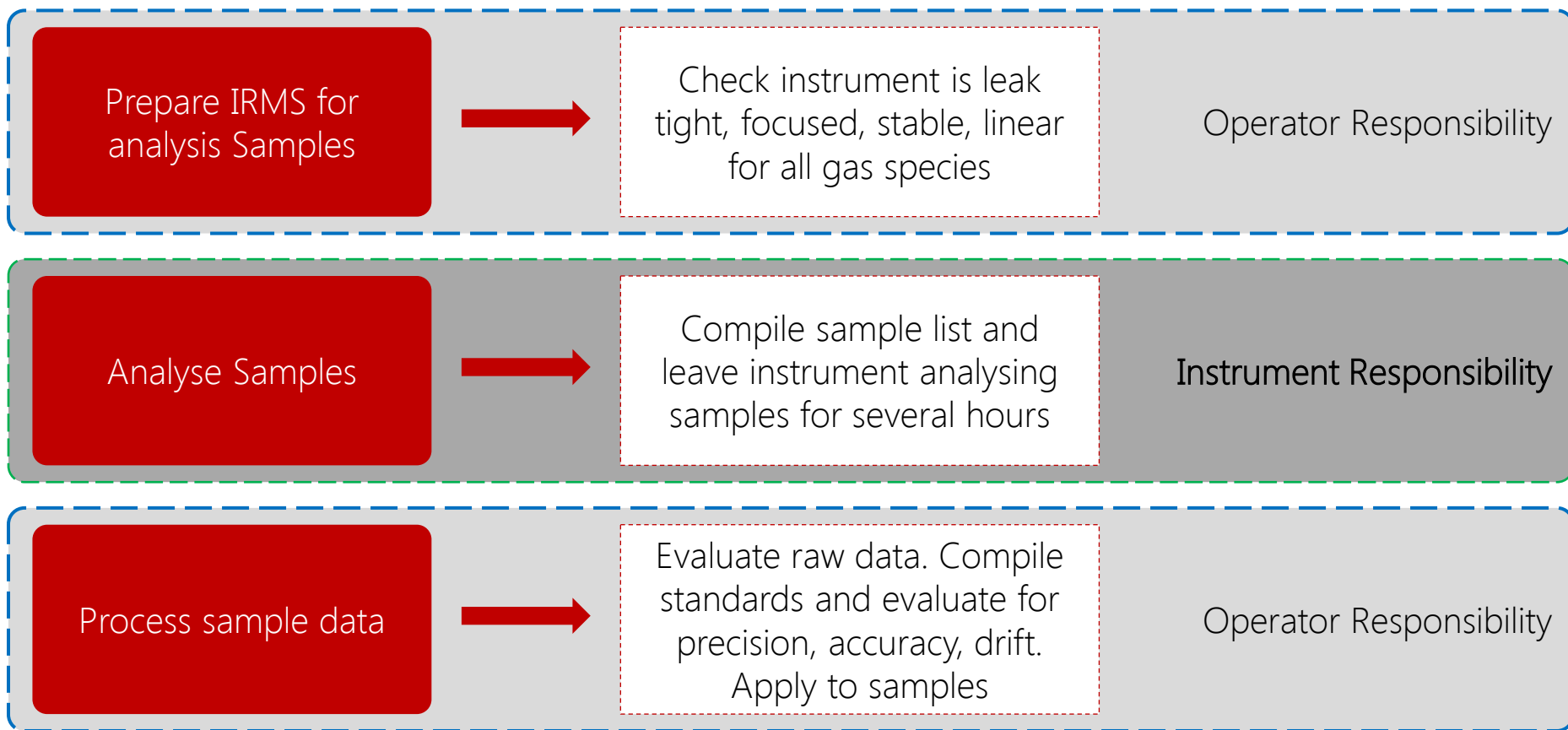
- Minimise instrument footprint, ensuring space in the laboratory is maximised;
- Reduce helium and monitoring gas consumption to reduce lab cost per analysis;
- Give complete automated, intelligent control of all gas species ensuring maximum flexibility in measurements;
- Selectively dry sample gas – only sample gas destined for the VisION is dried prolonging life of the drying membrane;



THE POWER OF  
**IONOS & CENTRION**



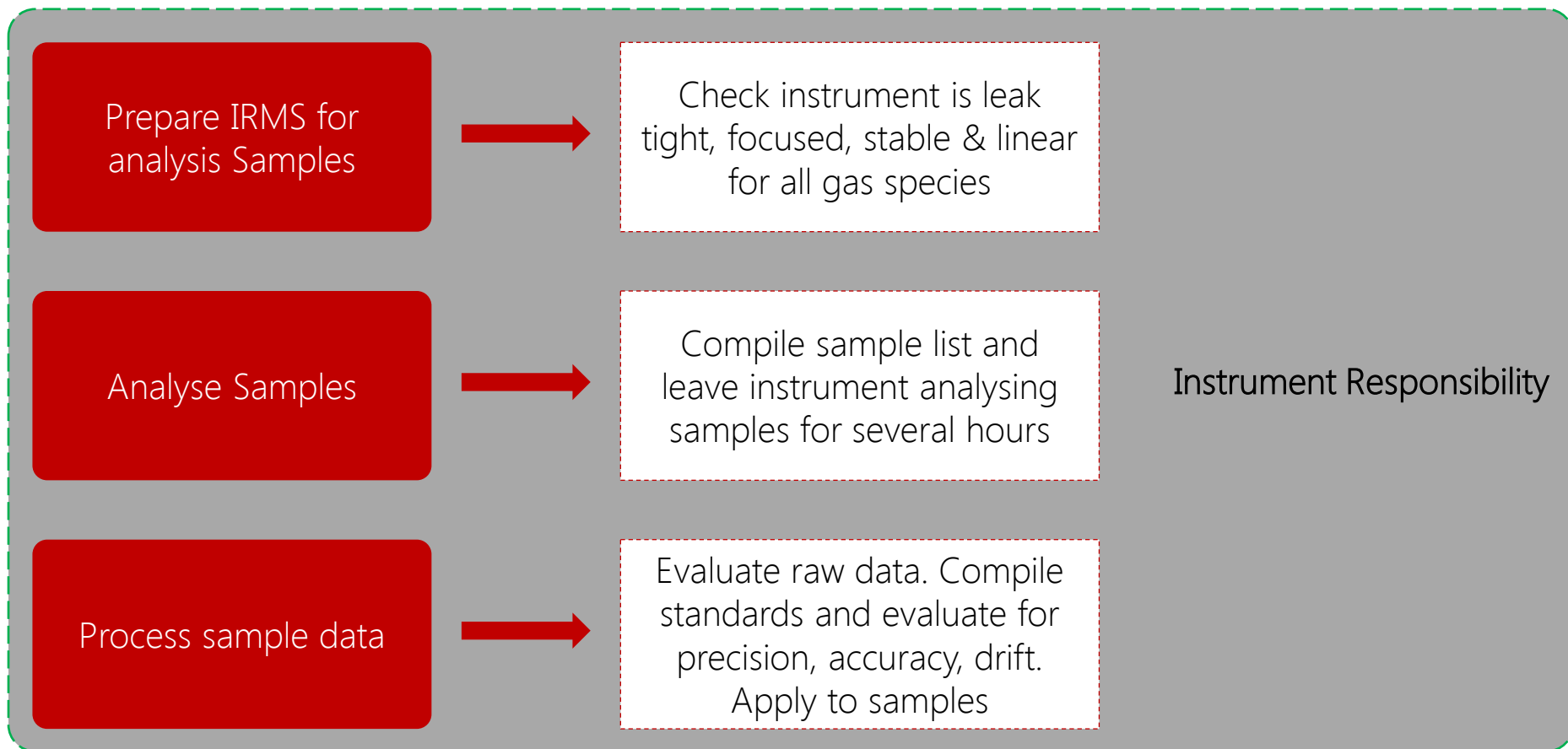
Standard Operating Procedure in IRMS is as follows:



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VisION aims to reclaim analysis responsibility from the operator:







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**Thank You for Listening**