



Prepare.
Process.
Discover.

Technologies for
Modern Laboratories

Solutions Built Around Your Science

Ingenio brings together technologies from leading scientific manufacturers with the expertise to understand your applications, workflows and challenges. We help you identify and configure the right solution for what you need today—and adapt it as your science evolves.



UNDERSTAND

Your science, workflow and objectives.



ADVISE

Identify the technologies that best fit your needs.



CONFIGURE

Combine instruments around your application



OPTIMIZE

Adapt and evolve your solutions as your research grows

Different Perspectives. Smart Solutions.

Our multidisciplinary team brings together physicists, engineers, chemists, and biologists with hands-on knowledge of scientific instrumentation. This unique combination helps us understand your science, evaluate the best technologies across manufacturers, and build solutions that fit your needs – not just a product catalogue.



PHYSICS

Instrumentation & Measurements



ENGINEERING

Systems & Configuration



CHEMISTRY

Analysis & Applications



BIOLOGY

Life Science Workflows

Accelerating Sample Prep

From routine sample preparation to complex automated workflows, improve efficiency, consistency, and throughput.



PAL RTC
PAL SYSTEM



HAPEX (PAHs)
INGENIO-PHYTRONIX



**Configure
beyond the standard**

Combine PAL System tools with complementary technologies, instruments, and custom integrations.



ILLO (VOCs)
INGENIO-PHYTRONIX

Advancing Separation

From routine analysis to demanding purification workflows, flexible chromatography solutions help you achieve reliable separations, reproducible results, and greater control

Flexible Separation, Configured for You

Select the pumps, detectors, columns, valves, and accessories your application requires—from routine analysis to complex purification.



GC SYSTEMS
BUCK SCIENTIFIC



FPLC SYSTEMS
KNAUER



U(H)PLC SYSTEMS
KNAUER

Expanding Discovery

From rapid molecular identification to advanced imaging and high-throughput analysis, our mass spectrometry technologies help reveal more from every sample.

From Fast Answers to Deeper Insight

Explore complementary MS technologies for high-throughput analysis, molecular identification and mass spectroscopy imaging.



LUXON ION SOURCE
PHYTRONIX



MALDI-MS
SHIMADZU



IMSCOPE QT
SHIMADZU

Supporting Performance

From reliable vacuum to effective source extraction, the right laboratory support systems help keep LC-MS and GC-MS workflows operating safely, efficiently, and consistently.

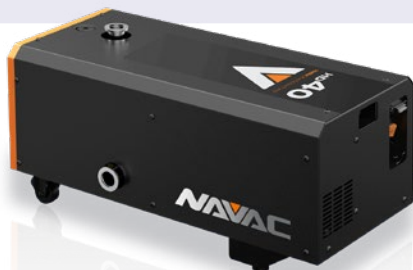


Built Around the Instrument

Analytical performance depends on more than the instrument itself. Ingenio helps you select the vacuum and ventilation solutions needed to support your system, laboratory environment, and workflow.



MINITEX
EXTRACTION ARM
MOVEX



HD40 DRY PUMP
NAVAC



UDS75 PUMP
NAVAC

Powering Your Analysis

A reliable supply of high-purity gases is essential to analytical performance. On-site generation delivers the consistency, availability, and independence your laboratory needs.

Gas Where You Need It



We provide on-site gas generation solutions configured around your analytical requirements—from nitrogen and hydrogen supply to dedicated LC-MS and GC-MS applications and even liquid nitrogen supply!



COSMOS H2
F-DGSI



CALYPSO N2
F-DGSI



CRYOGEN LN2
F-DGSI

Measuring What Matters

From physical properties to chemical composition, precise characterization helps you understand what your sample is, how it behaves, and whether it meets your specifications.



PHYSICAL & CHEMICAL PROPERTIES

- Osmometer •
- Melting Point meters •
- Polarimeters • Density meters
- Refractometers • pH meters
- Moisture Analyzers



ELEMENTAL ANALYSIS

- Flame Photometers •
- Atomic Absorption & X-ray fluorescence spectrometers



MOLECULAR CHARACTERIZATION

- FT-IR & UV-Vis Spectrophotometers



METERS
KRÜSS



OSMOMETER
KNAUER



pH METERS
OHAUS



FT-IR
BUCK SCIENTIFIC

Seeing Biology Differently

Go beyond conventional measurements with image-based cell analysis and microfluidic technologies that reveal morphology, fluorescence, and other cellular characteristics in real time.



IMAGE-ACTIVATED CELL SORTING

Real-time bright-field & fluorescence imaging for cell analysis



MICROFLUIDIC FLEXIBILITY

Configurable microfluidic workflows for droplet generation, reinjection, and sorting.

**Different samples.
Deeper understanding.**



No single measurement tells the whole story. Ingenio helps you combine complementary analytical techniques to build a more complete understanding of your samples, whether they are chemical or biological samples.



DROPLETONE
SENSIFIC

Creating the Right Conditions

For precise temperature control to reliable cold storage conditions help protect samples, maintain processes, and ensure reproducible results.



PRECISE TEMPERATURE CONTROL

Chillers •
Circulating thermostats



CONTROLLED PROCESSES

Shakers • Water baths •
Application-dependent
equipment

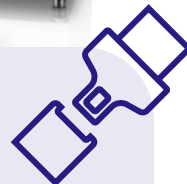


COLD STORAGE

Laboratory freezers •
Ultra-Low-Temperature freezers



**Control the environment.
Equip the workflow.**



Reliable results start with the right conditions and the right tools. Ingenio brings together temperature control and essential laboratory equipment to keep your workflows consistent, efficient, and productive.



CHILLERS
LAUDA



FREEZERS
LAUDA

Precision. Reliability. Everyday.

Accurate results begin with the right tools. From weighing and liquid handling to mixing and separation, our lab essentials deliver dependable performance for the tasks your laboratory relies on every day.



WEIGH & MEASURE

Analytical & Portable Balances



HANDLE & PREPARE

Micropipettes • Vortex mixers • Hot plates • Powder dispensing



CENTRIFUGE & SEPARATE

Centrifuges for low to high-volume applications



BALANCES
OHAUS



PUMPS
KNAUER



DISPENSERS
XQ INSTRUMENTS



CENTRIFUGES
ORTOALRESA

Designing Labs That Work

From vision to a fully functional laboratory.

Ingenio, teaming up with Phytronix, helps you translate scientific goals into laboratory environments that are efficient, safe, and future-ready. We bring together space planning, utilities, infrastructure, equipment and regulatory considerations to create labs that work – today and tomorrow.



UNDERSTAND

Your science.
Your goals.
Your vision.



ANALYZE

Your workflows
and instrument
requirements.



DESIGN

Optimized layouts
for efficient and safe
laboratories



PLAN

Smart phased
modifications to
limit downtime



RELOCATE

Your critical
instruments safely
and seamlessly

REAL PROJECT.

REAL RESULTS.

A laboratory designed to support advanced research, with optimized space, utilities, and workflow for greater efficiency and collaboration.



Connecting The Pieces

**Integrated solutions for
real-world science.**

Ingenio brings together instruments, automation, utilities, accessories and custom components to create solutions that work as one. Our team designs, configures and implements integrated systems tailored to your workflow, so you can focus on what matters the most – your research.

FEATURED PROJECT On-Site LN2 Generation

Ingenio and F-DGSI implemented a complete on-site liquid nitrogen generation system to liquefy recycled helium and support critical research infrastructure at the Institut quantique, Université de Sherbrooke.



500L/DAY

**On-site LN2
production**



24/7

**Automated
operation**



< 1 YEAR

ROI

"The on-site solution gives us greater autonomy and reliability, while reducing operating costs."

- Université de Sherbrooke

Keeping Science Running

Expert support for your entire instrument fleets

Modern laboratories rely on instruments from multiple manufacturers. Ingenio provides preventive maintenance, troubleshooting, repairs, and technical support to keep your laboratory performing at its best through – one trusted service partner.



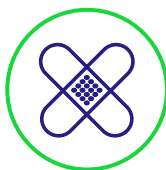
MULTI-BRAND EXPERTISE

LC, GC, MS, and supporting technologies across multiple manufacturers.



PREVENTIVE MAINTENANCE

Reduce downtime & maximize performance



RESPONSIVE REPAIR

Fast, reliable support when you need it



CENTRALIZED SUPPORT

Simplify life with one point contact

INGENIO SERVICE PLANS

Flexible options to match your needs.

Ingenio BH

Prepaid
Bank of Hours

Ingenio BH+

Prepaid
Bank of Hours
& Part Budget

Ingenio Plus

Instrument
Service
Agreement

Ingenio Flex

Instrument
Service Agreement
& Bank of Hours

Learn more
about Ingenio
Services Plans



SERVICES
INGENIO

One Partner. Complete Scientific Solutions.

The right expertise,
by your side,
every step of the way.



TECHNOLOGY

Leading scientific
instrumentation



LAB DESIGN

Functional
laboratory spaces



INTEGRATION

Systems tailored
to your workflow



SERVICE

Expert support
across brands

Our partners



EXPLORE INGENIO



Our Product Catalogue

Explore our complete portfolio



Our Canadian Services

Leverage our expertise and optimize your lab



Laboratory Design

Plan your next laboratory space



Laboratory Instruments & Multi-Brand Services
Across Canada

Calgary | Toronto | Montreal | Quebec City



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