GILYOS applies the most recent, highly innovative equipment and instrumentation in their laboratories.

GILYOS is more than an end-user of equipment. We partner with industry leaders to develop technologies that extend the understanding of freeze drying processes. Innovations are central to progress for us.

OUR PRECISION, quality and solution driven approaches translate into your success.

OUR KEY TECHNOLOGIES:

- Freeze Dry Microscopy (LT-FDM)
- Freeze Drying Vial System (FDVS)
- LyoCapsule™ and LyoStar™ freeze dryer platforms
- ControLyo™ Nucleation On-Demand
- Manometric Temperature Measurement (MTM)-based SMART Freeze Dryer™ Technology
- Tunable Diode Laser Absorption Spectroscopy (TDLAS)-based SMART Freeze Dryer™ Technology
- TEMPRIS™ Wireless Temperature Sensors
- Access to all relevant physical characterization technologies through our extensive network

PRECISION
FOR
SUCCESS

Notes:

GILYOS®
PRECISION FOR SUCCESS

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GI

WORLD
OF
FREEZE
DRYING

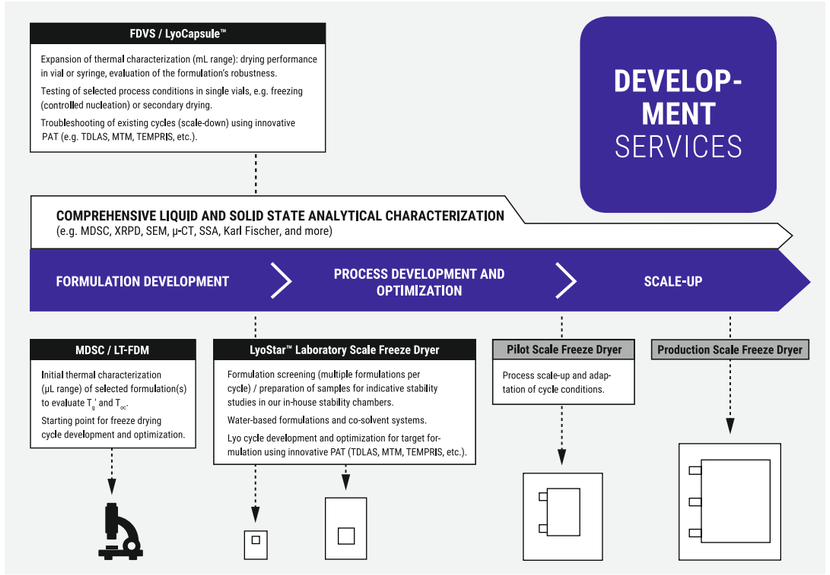
BENEFIT from our more than 20 years of experience in pharmaceutical freeze drying, both in an academic and industrial environment.

THE GILYOS PHILOSOPHY
is quite simple: **"RIGHT FIRST TIME"**

SOME EXAMPLES OF FREQUENTLY REQUESTED CONSULTING SERVICES:

- Formulation development of small molecules, biologics and complex systems
- Selection of optimum primary packaging material (vial, syringe, etc.)
- Cycle design & optimization of new products, Quality by Design (QbD)
- Troubleshooting of existing cycles
- Support in CMO selection
- Scale-up, scale-down and technical transfer of freeze drying cycles

CONSUL-TING SERVICES



LYOSCO-PEDIA®

FREEZE DRYING is a multi-disciplinary field which starts with aspects of chemistry and biochemistry during formulation development and ends with engineering principles during manufacturing.

A SOUND UNDERSTANDING of underlying concepts and interactions in this field is therefore mandatory to successfully accomplish freeze drying projects.

GILYOS has established its own seminar and training program to share our expertise with you:

LYO(PHILIZATION)
SCOP(E)
(ENCYCLOP)**EDIA**
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LYOSCOPEDIA®

For actual seminar announcements, please visit us on our website: **www.gilyos.com**