Bench-top and Pilot Bioreactors

Bring exceptional precision, scalability, and control to your bioprocessing.

INFORS HT

We bring life to your laboratory

Confidence to scale, freedom to innovate

Bioreactors built to grow with your process

Bioprocessing professionals face growing demands for faster development cycles, reliable scalability, and precision control to maximize yields and streamline production. With INFORS HT bioreactors, what you develop at the bench is never left behind, it's ready to scale. Our innovative, intuitive technologies give you the confidence to transition smoothly from early-stage research to commercial-scale production, empowering productivity and driving breakthroughs.

Scalable design from lab to pilot

Use similar components, vessel geometries, and control systems across benchtop and pilot scales. This consistency simplifies validation, operator training, and technology transfer.

Expert support from start to scale

From design and installation to maintenance and upgrades, our team works closely with you to adapt your system to evolving process requirements.

Seamless data integration with eve® software

Our bioreactors connect to the eve® platform for full visibility across parameters, automated control, and reliable data tracking in batch, fed-batch, or continuous processes. They also integrate easily with other third-party systems for maximum flexibility.

Minifors 2

Jumpstart your bioprocess R&D with this compact and easy-to-use bioreactor

Easily initiate and manage cell culture or microbial experiments from research and development through process development with this plug-and-play Minifors 2 bench-top bioreactor system.

Quickly begin your experiments
Get your experiments started quickly with minimal experience thanks to the preconfigured delivery and intuitive controls of this bench-top bioreactor. Simply connect the device, mount the vessel, connect pumps and sensors, and begin your work quickly.

Compact and easy to handle
Requiring very little space on the lab bench, this compact bench-top bioreactor is designed for optimal handling and operation. All components are easily accessible and allow for stress-free transport within the vessel holder, to and from autoclave, fitting within smaller autoclaves with only 30 cm inner diameter.

Easily automate your data management
Save time and resources by automating your data management with eve®, a web-based bioprocess platform software. Accessing your data from anywhere so you can collaborate with colleagues at different facilities, leading to faster research results.

Product specifications

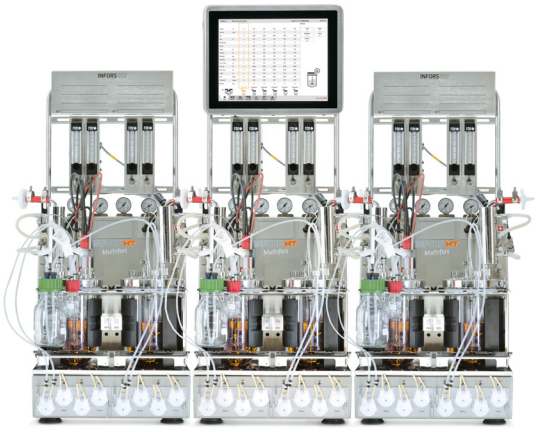
- Vessel sizes (and working volumes): 1.5 L (0.3 - 1 L), 3 L (0.6 - 2 L), and 6 L (1.1 - 4 L)
- Base unit dimensions (Width including operating panel x Depth including hose connection): 455 x 415 mm / 17.9 x 16.3 in.
- 4 high-performance pumps with configurable operating modes: digital (fixed-speed) or analog (variable speed)

Learn more at
infors-ht.com/minifors

Multifors 2

Manage multiple bioreactor vessels in parallel while mitigating risks during scale-up

Increase efficiency during process development and characterization by configuring your Multifors® 2 bench-top bioreactor with the same sensor technology as your production bioreactor systems.



Maximum options while minimizing contamination risks
The magnetic drive system allows for maximum headplate ports and ergonomics while minimizing the contamination risk and wear on components; capable of 1600 RPM operation for extended continuous batches.

Increase productivity and minimize downtime within existing lab space
Save time, space, and resources with optimized parallel bioprocessing, operating up to 6 Multifors® bioreactor vessels from one touchscreen control. With a small footprint and robust housing, you can make the most of your bench space.

Easily scale-up your process
Be prepared to scale-up from the bench using the same sensor technologies as the larger scale bioreactors, delivering comparable data. Optional PAT tools are available to offer a straightforward way of preparing for later production at bench or pilot-scale bioreactors.

Product specifications

- Vessel sizes (and working volumes): 400 mL (115 - 250 mL), 750 mL (180 - 500 mL), and 1400 mL (320 - 1000 mL)
- Small footprint: 45 x 38 cm (18 x 15 in) with integrated pumps, reagent holders, and mass flow controller (MFC)
- Glass vessels available in total volume range from 0.4 L to 1 L

Learn more at
infors-ht.com/multifors

Labfors 5

Bring flexible universal control to your process development in larger bench-top volumes

Further optimize your microbial applications with a larger scale bench-top bioreactor system that provides flexibility, process control, and qualification.

Build your bioreactor to fit your needs
Configure the Labfors 5 bench-top bioreactor to fit your specific application needs with a selection of various stirrers, spargers, and accessories. Set your temperature control system and gassing strategy to carry out a range of batch, fed-batch, and continuous cultivations.

Compact design allows for excellent handling
Easily access ports and the top plate due to the practical and compact design of this bioreactor. Autoclaving is also made easy with removable pump heads that can be sterilized with the vessel.

Work more efficiently in your lab
Organize your laboratory more efficiently by connecting the Labfors 5 bioreactor touchscreen control up to 6 systems at once. Operate them simultaneously to save time and manual labor.

Product specifications

- Vessel sizes (working volumes): 2 L (0.5-1.2 L), 3.6 L (0.5-2.3 L), 7.5 L (1-5L), and 13 L (2.2-10 L)
- Base unit with control panel dimensions for 2, 3.6, and 7.5 L volumes (W x D x H): 464 x 462 x 996 mm (18.3 x18.2 x 39.2 in)
- Base unit with control panel dimensions for 13 L volumes (W x D x H): 586 x 512 x 996 mm (23.1 x 20.2 x 39.2 in)
- Direct drive up to 1500 min^{-1} with the high-torque motor option

Learn more at
infors-ht.com/Labfors

Labfors 5 for solid substrates

Your ideal bioreactor system for bioprocesses and enzymatic processes with solid substrates

Increase productivity and yield during your simultaneous saccharification and fermentation (SSF) processes, breaking down high concentrations of various raw materials, with this compact Labfors 5 bench-top bioreactor.

Precise and gentle temperature control
By controlling the temperature of both the substrate and the double jacket, the two-fold system optimizes temperature control for the entire bioprocess, preventing overheating along the interior vessel wall, and keeping enzymatic activity high.

Ideal mixing capabilities
Because liquids and solids have different mixing properties, choose from a selection of stirrers for the right stirring system no matter what the substrate. With the high-torque, direct drive motor option, the system has enough power to also mix high concentrations of various raw materials.

Easily feed solids
Large headplate opening (40 mm) for feeding solids and semi solids into the vessel to support high density substrates in processes that do not require aseptic conditions.

Product specifications

- Vessel size (and working volume): 3.6 L (1-2.5 L)
- Base unit with control panel dimensions (W x D x H): 464 x 462 x 996 mm (18.3 x18.2 x 39.2 in)
- Parallel operation via touchscreen controller up to 6 vessels
- Direct drive up to 1000 min^{-1} with the high-torque motor option

Learn more at
infors-ht.com/Labfors-solids

Techfors-S 2

Scale-up ready stainless steel bioreactor for process development

Transfer your microbial processes from bench to pilot scale on a robust, compact stainless steel SIP platform. The Techfors-S 2 is designed for process development teams, CDMOs, and research institutes that need reliable scale-up data, qualification support, and the flexibility to configure the system to their exact requirements.

Geometry designed for scale-up
The Techfors-S 2 vessel design follows standard bioreactor geometry, so process parameters developed at pilot scale translate predictably to larger systems. For labs already running INFORS HT bench-top bioreactors, gassing strategies and control logic stay consistent across scales - removing a key variable when moving processes forward

Seamless data transfer
Connect the Techfors-S 2 to eve®, our web-based bioprocess platform software, to control, monitor, and analyze your process data in one place. eve® supports batch planning, process documentation, and OPC connectivity - relevant for teams working in regulated or GMP-oriented environments

Ready to order configuration
The Techfors-S is a modular platform with pre-engineered options for vessel size, gassing strategy, sensors, qualification packages, and ASME compliance. Choose the configuration your process needs and get a fully specified system without custom engineering lead times. Standard configurations ship within 4 months, while our engineering team supports applications beyond the standard range.

Product specifications

- Vessel sizes (and working volumes): 15 L (3-10 L), 30 L (5.3-20 L), and 45 L (7-30 L)
- Compact dimensions from 903 x 833 x 1890 mm (2533 mm with optional lifting device)
- Mobile and compact design on wheels with 360-degree access to system components
- Precise temperature control from cultivation to sterilization; closed-loop temperature control via heat exchanger available as option for more sustainable operation

Learn more at
infors-ht.com/techfors-s

Techfors 4

A customizable stainless-steel bioreactor with a compact design

Bring flexibility and automation to your process development with a Techfors 4 pilot bioreactor, custom-configured specifically to your individual application needs and backed by our team of technical engineering and service experts.

Flexibility and customization
Your bioprocess applications can be demanding. Custom-configure your own Techfors 4 pilot bioreactor to meet your specific needs, bringing true flexibility to your laboratories, pilot plants, or production suites.

Detailed custom engineering and project planning
Our technology team will partner with you to build your ideal bioreactor, sharing their expertise and accompanying you from planning to installation and continued maintenance support.

Evolve your bioreactor as your processes change
Even after installation, your Techfors 4 bioreactor design can be expanded with additional options, sensors, and analytical devices. For validated installations, you also receive additional documentation, upon request.

Product specifications

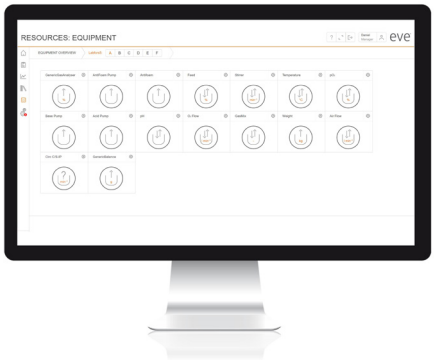
- Custom designed vessel sizes up to 1,000 L with a working volume up to 660 L
- Capable of scaling from INFORS HT bench-top bioreactor systems to the Techfors bioreactor
- Qualification and validation available upon request

Learn more at
infors-ht.com/techfors

eve® bioprocess software

Unify process control and data management in a single bioprocess software platform

eve® bioprocess platform software can do more than just plan, control and analyze your bioprocesses. This software platform integrates your equipment and process data in a web-browser based platform from many different manufacturers.



Integrate your bioprocessing equipment data
Integrate data from your bioreactors, shakers, and analytical instruments from multiple manufacturers along with your experimental requirements from project, experiment, and batch planning to analysis the results.

Access your data from anywhere
eve® bioprocess platform software is installed in your private network and is web-browser based, allowing you to monitor, control, and analyze your data right from your web browser.

Powerful batch planning, control, and reporting
Create and automate intuitively complex batch strategies and phases, leverage preconfigured functions to control batch parameters, and create audit trail reports.

eve® software packages

Monitor basic bioprocesses
Take the first steps to digitize your bioprocess. The comprehensive functions for planning, monitoring and documenting batches are ideally suited for simple applications in the bioreactor.

Control and automate bioprocesses
Further automate your process through digitalization to help eliminate the potential for human error by implementing recipes, batch strategies, and soft sensors.

Premium version supporting validation
Suitable for validated environments according to FDA CFR 21 Part 11. In addition to the comprehensive options, users receive added safety features and validation documents.

Learn more at
infors-ht.com/eve

INFORS HT
We bring life to your laboratory

Bioreactor services

Maintain optimal performance and longevity

We pride ourselves on building bioreactors that stand the test of time. However, consistent and proactive maintenance is key to ensuring your machine operates at its best. Regular upkeep not only extends the lifespan of your bioreactor but also guarantees peak performance in every process.

Learn more at
infors-ht.com/bioreactor-services

Service offerings

- Custom engineering and project management
- Installation and relocation preparation
- Emergency repairs
- Preventive and corrective maintenance
- Installation and operational qualifications (IQ/OQ)
- Factory acceptance testing (FAT) and site acceptance testing (SAT)

YOUR DISTRIBUTOR

Learn more at
infors-ht.com/bioreactors

BR003-EN | 5.2026