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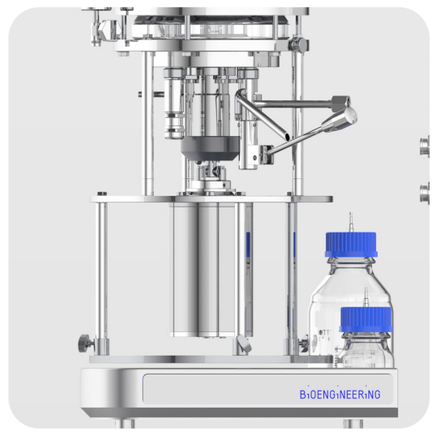
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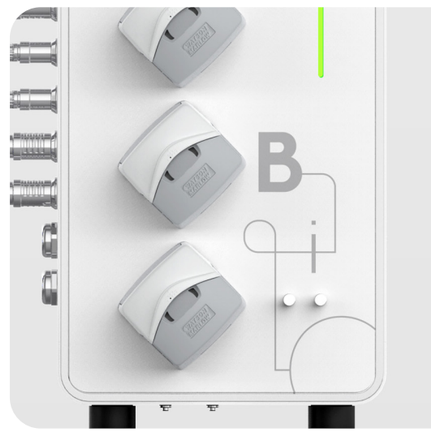
Taberis Prime I

Get your bioprocess started. Simply.









BIOENGINEERING

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The benchtop bioreactor focused on the essentials

Easy start. Compact design. Maximum performance.



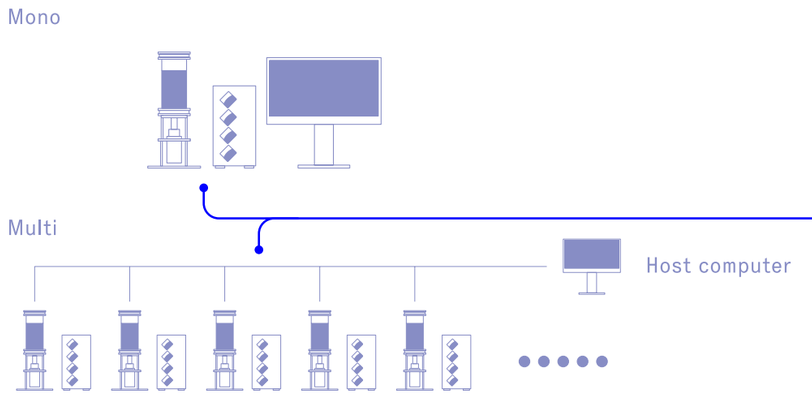
Taberis Prime I Mono – the compact solution for everyday lab work.

High performance right from the start

The Taberis Prime I benchtop bioreactor was developed for applications where high performance and production-oriented processes are key. Its streamlined design enables simple and reliable operation while providing a cost-effective entry point into bioprocess technology. The integrated in-situ sterilization of the vessel and bottom drain ensures production-ready processes.

The bottom-mounted drive with high power input ensures an exceptionally high oxygen transfer rate. The system is particularly well-suited for applications in research, education, and early development and pilot phases in the pharmaceutical and biotechnology industries.

- Cost-effective entry into bioprocess technology
- High oxygen transfer rate
- In-situ sterilizable
- Closed harvesting and transfer possible



BioScada II – Intuitive SCADA for controlling bioprocesses

BioScada II visualizes and analyzes your bioprocess in real time. Freely configurable widgets display critical process parameters, trends and system states exactly where they are needed. Integrated analysis tools enable fast comparison of batches and support data-driven process optimization.

- Freely configurable widgets for process visualization
- Integrated analyzer with batch-to-batch trend comparison
- Setpoint Selector for intuitive cascade control configuration
- Flexible setpoint profiles (e.g. exponential feed strategies)
- Integrated sequencer for custom process workflows
- Remote Service Provider for secure system monitoring and support



BioScada II uses a modular architecture that provides a unified software platform for laboratory systems and production facilities.

The same SCADA environment can control individual benchtop reactors, pilot systems, and complete production facilities.

Technical Specifications

- Working volume: 1.6 / 2.0 / 2.5 liters
- Vessel: Glass or stainless steel
- Drive: Bottom drive with mechanical seal or magnetic coupling
- Agitator: Rushton, marine or pitched blade impeller
- Gas injection: Aeration tube, ring sparger, sinter metal micro sparger
- Temperature control: Electric heating and cooling fingers
- Up to 4 individual gas injection lines with mass flow controllers
- Peristaltic pumps: Up to 4 pumps integrated into the control unit and one external pump
- Measurement and control technology: Speed, temperature, pH, pO_2, anti-foam / level, as well as optional sensors for turbidity, weight, exhaust gas, and redox (each including a controller)

Regulatory Compliance

BioScada II supports operation in regulated bioprocess environments and enables compliant data handling and documentation.

- GAMP 5 compliant development
- 21 CFR Part 11 compliant electronic records and audit trails
- Role-based user management
- Audit trail and event logging
- Electronic signature support