

Your Cell Therapy.
Automated Your Way.



Gentle n-MagS™

Automated Magnetic Cell Sorting

Unlock modular, GMP-ready cell processing that includes the Gentle Flex series coupled with the Gentle n-MagS – a nano-magnetic cell sorting instrument.

Whether you're running small-batch autologous or large-scale allogeneic workflows, our flexible automation approach enables you to define and adapt your protocols, without compromising on consistency, traceability, or throughput.

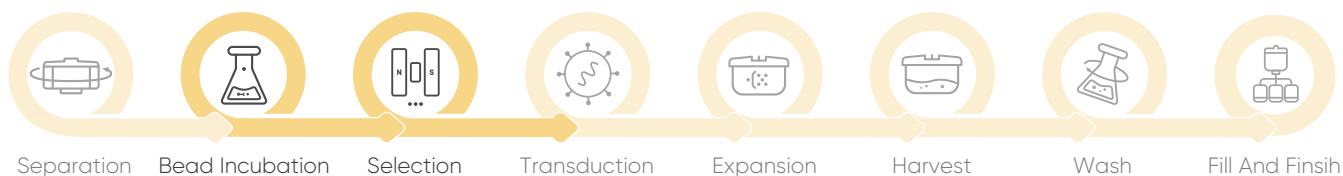
System Overview

The **Gentle n-MagS** is a fully automated, magnetic cell sorting platform designed to deliver consistent, high-quality immune cell separation for advanced cell and gene therapy manufacturing. Built for sterility, speed, and scalability, Gentle n-MagS supports both positive and negative selection workflows across a variety of sample types including fresh and cryopreserved apheresis and PBMCs.

- **Fully Enclosed System:** Disposable, sterile sampler kits ensure contamination-free operation in Grade C environments
- **Hands-Free Automation:** No manual intervention required – from sample loading through elution – to minimize error
- **Positive & Negative Sorting Modes:** Specifically target T, NK, HSC, and DC cell isolation or deplete unwanted subtypes
- **One-Step Medium-Based Elution:** Enables direct downstream culturing, eliminating additional centrifugation
- **Inline monitoring:** Integrated flow sensors and inline weighing enable real-time process control
- **Compliance by Design:** Robust user-access controls, secure audit trails, and support for 21 CFR Part 11 requirements streamline regulatory readiness

Where it Fits in Your Workflow:

Engineered as part of CellBri's configurable modular automation suite, the Gentle n-MagS integrates with other unit operations to build out the entire workflow from isolation through final formulation and fill / finish.



Features + Functional Coverage

Technical Specifications:

Supported Sample Types

- Fresh apheresis
- Cryopreserved apheresis
- Fresh PBMCs
- Cryopreserved PBMCs

Performance Parameters

Parameter	Value
Purity	> 95%
Yield	> 60%
Cell Viability	> 95% of initial cells

Control & Monitoring

Parameter	Capability
Volume Capacity	Supports 10 mL to 50 L depending on tray configuration
Pressure Sensors	Real-time monitoring of fluid pressure (2 sensors)
Ultrasonic Sensors	5 sensors for fluid level and flow detection
Weighing Modules	4 integrated scales for dynamic volume tracking
Magnetic Field Control	Automated field strength adjustment for bead separation
User interface	Intuitive, icon-based navigation for setting protocols, monitoring progress, and accessing system diagnostics
Linux Software	Workflow automation, real time monitoring and data logging

System Specifications

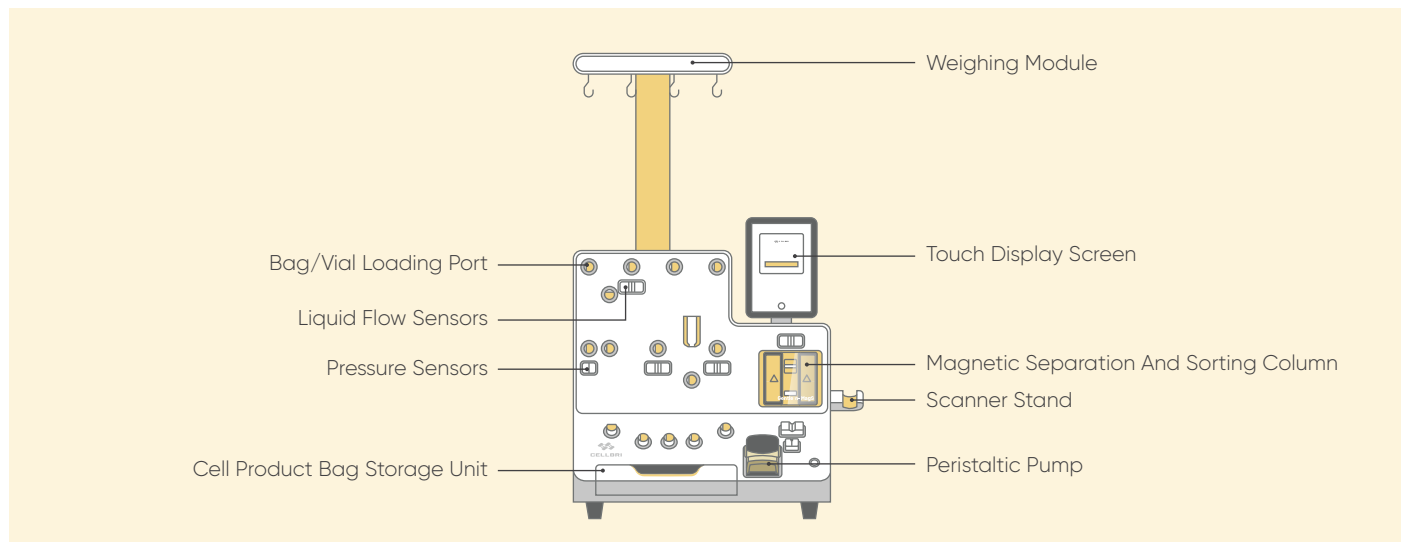
Category	Specification
Dimensions (W × H × D)	450 × 680 × 1060 mm
Weight	56 kg
Pump Rate	4–400 mL/min

Power & Connectivity

Power Supply	100–240 VAC, 50/60 Hz
Max Power Consumption	450W
Connectivity	USB ×2, Ethernet 100 Mbps

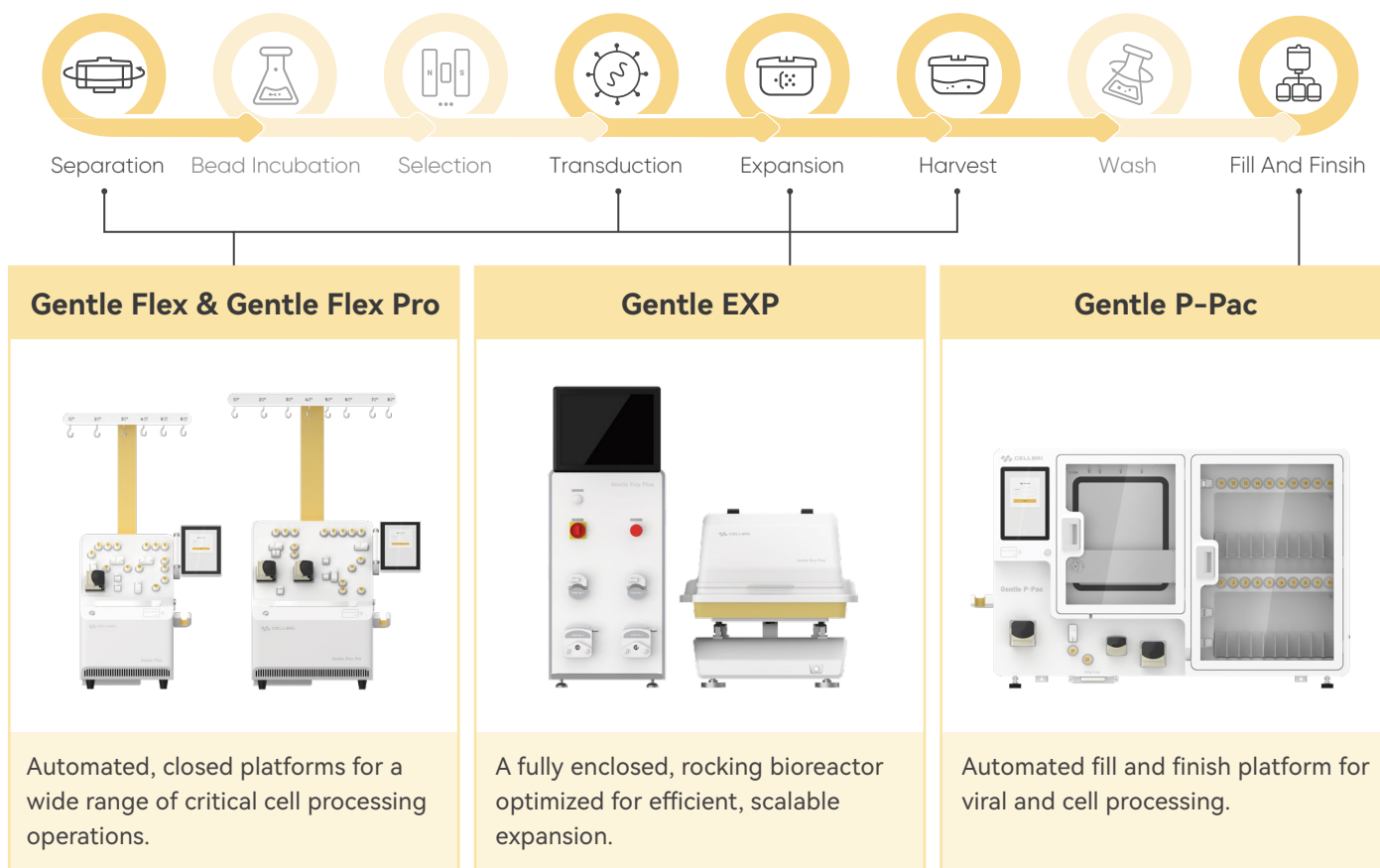
Why Choose Gentle n-MagS ?

- ✓ **Modular & Scalable:** Plug into CellBri's broader automation ecosystem for end-to-end platform coverage
- ✓ **Rapid Turnaround:** Medium-based elution reduces protocol time an average of 20% across standard workflows and boosts cell viability by ~ 5%
- ✓ **Closed System:** Ensures contamination-free operation in Grade C environments
- ✓ **Broad Cell Modalities:** Compatible with immune cells, stem cells, and viral vector workflows




About CellBri

CellBri is a biotechnology solutions company dedicated to delivering **accessible, flexible automation** for the next generation of cell and gene therapies. Founded in 2020, our modular, GMP-ready platforms are designed to streamline manufacturing while preserving end-user control and configurability. Today, CellBri's technologies have been adopted into **over 100 commercial therapy pipelines** worldwide, underscoring our commitment to enabling scalable, high-quality cell processing through **flexible automation**.




Ensure sterility, compatibility, and traceability with CellBri's tools and single-use consumables

Small Tools



CB Leakguard: Portable leak testing unit
CB Transfer: Automated liquid transfer unit

Consumables



Integrated Kits (PVC): Pre-configured kits for specific workflows
Magnetic Beads (nano and micro): For cell isolation and separation
Disposable Bioreactor Cell Bags: For cultivation and processing
Fluid Bags (PVC): For media handling and fluid transfer
Connectors: For sterile fluid path integration
Freezing Bags (EVA): For cryopreservation post-processing
Sampling Kits: For in-process testing and quality control

CellBri partners with you to deliver comprehensive solutions that support your entire workflow.