inclusIV ®
compounding portfolio

eXpressBatch
Pharmacy Compounding System

KIRO Fill

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GRIFOLS

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The **inclusiv**® **eXpressBatch** comprehensive modular system for automated batch compounding of sterile non-hazardous drug formulations.
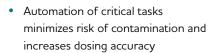
The eXpressBatch system performs critical tasks to facilitate traceable, high-throughput compounding, increase dosing accuracy, and enhance operational efficiencies—including security, compliance, and productivity. And most important, it enhances staff and patient safety.

eXpressBatch Key Benefits

Safety

- Automation of critical tasks minimizes risk of contamination and increases dosing accuracy
- Guided and software controlled manual loading and unloading of supplies for enhanced patient safety

Control and Traceability

- Create and receive batch compounding orders from other information systems
- Follow order progress and automatically generate batch reports to ensure traceability through production

Flexibility and Efficiency

- Accommodates a large variety of sizes and types of source and final containers
- Designed for the high-throughput production of batch compounded sterile preparations
- Optimized use of medication and leftovers

eXpressBatch System Components

KIRO® Fill

The automated high-speed batch compounding device designed to reduce manual steps and enhance safety during the production of non-hazardous compounded sterile preparations.

- **High efficiency in an ISO classified aseptic environment:** Automates the drug compounding process utilizing two robotic units working in parallel. KIRO® Fill It has a loading capacity of up to 20 containers per run, producing over 150 syringes per hour using continuous container loading.

- **Easy to use:** A built-in touchscreen display provides clear and simple user instructions.

- **Assured quality control and traceability:** Gravimetric control over the source bag ensures accuracy of doses prepared. RFID tags on adapters ensure correct syringe size and positioning. Barcode/datamatrix scanning verifies the correct drug for the batch. Robotic units control product transfers and capping. The particle counter monitors the aseptic compounding environment.

- **Contributes to staff safety:** Reduces repetitive movements that can lead to needle-stick and stress injuries.

KIRO® Link

Web-based integrated software application behind eXpressBatch.

- **Network accessible:** Any workstation connected to the hospital network can access KIRO® Link to manage KIRO® Fill and Gri-Fill® operations.

- **Integrates workflow:** Because KIRO® Link integrates connected devices, it can manage preparations, connectivity, and labelling, allowing pharmacy staff to oversee production, manage batch orders, and review stored batch information.

- **Comprehensive dashboard:** The software dashboard displays each order sorted by priority and status, with access to specific details, including compounding data.

- **Label printer and software integration:** KIRO® Link can be integrated with a variety of standard black and white and color label printers and design software.

- **Full traceability:** With its integrative design, KIRO® Link offers full traceability of each step in the compounding process with comprehensive reporting available to pharmacy staff.

Gri-Fill®

Optional semi-automated device designed to fill large-volume source containers.*

- **Facilitates workflow efficiency:** Gri-fill enables creation of large-volume source containers in KIRO® Fill from small volume containers, adaptable to different source solution and final containers, and it can print custom ID labels.

- **Extensive connectivity:** The device can receive preparations and patient information from EMR interface and has remote access to pharmacist's computer.

- **Supports patient safety:** It provides full audit trail and lot traceability of preparation process, as well as real-time tracking of compounded preparations.

- **Promotes worker safety:** It mitigates repetitive stress and needle-stick injuries.

* In cases when there are no commercially available KIRO® Fill compatible large volume source containers

eXpressBatch Support

Project Implementation and Training

Grifols will install and verify our eXpressBatch systems per GMP requirements. And, of course, we will ensure your personnel training and qualification to operate the system.

- Grifols will develop a comprehensive implementation plan that you approve

- The plan will itemize all reference documents, certifications, and tasks

- These will correspond with the timing required to correctly install and verify the system before it can Go Live with production for patients

Service and Maintenance

Grifols supports our customers with a full assistance program covering all KIRO® Fill equipment and software.

- Once your KIRO system is operational, our qualified service and maintenance team will provide preventative maintenance and service

- Our service team interacts with you and your team directly to identify and provide the support needed

- Grifols has a dedicated help desk that can communicate with you in your local language(s) to address your needs promptly

For more information, visit grifolsinclusiv.com

ABOUT THE PORTFOLIO
inclusiv® is a comprehensive IV compounding portfolio of integrated technology, software, and service solutions designed to support your needs for sterile compounding–from the design and building of your sterile compounding environment, to the preparation and verification of your products, through the ongoing management and optimization of your pharmacy operation.

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