



# Grifols Introduces KIRO® Oncology – Automated Sterile Compounding of Hazardous Drugs

The latest technology for automated sterile compounding of hazardous drugs, including oncology and biologicals.

**President & CEO:** Victor Grifols

**Founded:** 1940

**Employees:** 14,139

**Stock Symbol:** GRFS

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## GRIFOLS

### Company Background

Grifols is a global healthcare company with more than 75 years of experience, and a proven track record for high standards of quality and safety in all its manufacturing processes. Grifols is therefore uniquely qualified to help make compounding safer.

The correct preparation and administration of compounded sterile preparations (CSPs) is a complex process that requires highly-skilled professionals working in a very specialized environment.

Grifols U.S. Hospital Division provides advanced solutions and cutting-edge technologies to enhance safety and efficiency in the hospital pharmacy. Our products are uniquely designed to improve institutional compliance with guidelines and regulations, while operating under high standards of quality and service.

Our i.v.TOOLS® are a set of specialized products and consulting services that help optimize safety and efficacy throughout the compounding process.

### Product Overview

KIRO® Oncology is the next-generation system for automated sterile compounding of individualized intravenous treatments.

KIRO® Oncology optimizes safety, improves accuracy, and closely monitors the preparation of intravenous solutions for oncology patients, while protecting technicians against the risks associated with the handling of hazardous substances.

KIRO® Oncology helps you to be in compliance with USP regulations by standardizing the processes, and reducing errors and the risk of contamination in the preparation of hazardous admixtures.

### Features & Options

#### ■ Unique Features of KIRO® Oncology

- Two robotic arms perform separate tasks simultaneously.
- Self-cleaning for decontamination of hazardous chemicals.
- Lean design minimizes the movement of disposable items in the compounding area.
- Syringes, final containers, and drugs from different manufacturers can be quickly and easily configured.

### Product Specifications

#### ■ Technical Information

- **Dimensions (length/height/depth):** 6.9 ft. x 7.2 ft. x 3.6 ft.
- **Weight:** 2,245 Pounds
- **Electrical Requirements:** Monophasic 110V/60Hz
- **Air Quality:** Class II A2 Biosafety Cabinet. ISO5 classification and negative pressure in compounding area.

#### ■ Supported Materials

- **Vials:** All Vial Sizes from 0.5 to 200 mL
- **Syringes:** Luer Lock Syringes (1 mL, 3 mL, 10 mL, 20 mL, 50/60 mL)
- **Final Containers:** Infusion bags, semi rigid bottles, syringes, elastomeric pumps, and cassettes.

### Additional Product Lines

Grifols' Hospital Division provides advanced and innovative solutions for the hospital pharmacy.

#### ■ Misterium: Modular Clean Room System

A new concept that offers a complete solution from initial design to the operation of a fully functioning clean room.

#### ■ Phocus Rx: Camera-Based System

A noninvasive solution for remote validation and documentation of sterile compounding processes. Phocus Rx can be used as a stand-alone system or embedded in Baker® Hoods.

#### ■ Inventory Management Solutions

Innovative solutions applying the latest technology for IV room, central pharmacy, investigational drug services (IDS), refrigerated drugs, and special inventory management needs.

#### ■ Gri-fill: Semi-Automated Compounder System

A unique solution for compounding medications safely and aseptically through sterile filtration and integrity testing.

#### ■ Dosi-Fuser: Portable Elastomeric Infuser

A single-use, continuous-infusion system for ambulatory patients that works without batteries or electricity. A portable infusion device designed to enhance patient comfort and mobility while providing accurate doses at a constant flow without adjustments.

### Trade Shows/Meetings Attended

HOPA Congress, ASHP Midyear and Summer Meetings

### Pricing Information

For more information, please contact customer service at (800) 379-0957 or hospital.division@grifols.com.