

# PharmaScope Onco

Automated IV Chemotherapy Compounding System



## A New Aspect in Hazardous Drug Compounding

PharmaScope Onco offers a new cost-effective and innovative IV chemotherapy compounding solution that provides accurate dosing for patient safety and protects the operators and the environment from the negative effects of hazardous drugs.



# Safe and Smart Technology Empowered by all-in-one Automation

## Air Treatment Area

- ISO Class 5 aseptic environment with vertical air flow
- 100% air exhausting under negative pressure
- Eco-friendly structure with H14 type HEPA filters
- Built-in ultraviolet (UV) disinfection
- Stand-by mode for energy saving
- Automation system indicators, visual-audial warnings
- Tested and certified by accredited laboratories
- Class II Type B2 biological safety in compliance with ISO12469, USP797/800 and GMP requirements

## Compounding Area

- Rapid drug transfer (up to 40 preparation/hour)
- Two syringe pump units for drug reconstitution and pre-filling
- Shaker unit with adjustable speed
- Scale unit for instant gravimetric control
- Multi-user workspace to increase productivity
- Extremely low drug loss with line purging function
- Needle-free closed system disposables
- Micro volumetric delivery (as low as 0.2 mL)
- Compatible with infusion bags, syringes, elastomeric pumps, cassettes and all vial types

**Air Treatment Area**

**User Interface Area**

**Compounding Area**

**Waste Management Area**



## User Interface Area

- Windows 10 built-in touch screen interface
- Label printer for final verification print-out
- Built-in Wi-Fi and ethernet LAN connection options
- 24/7 technical support with remote access
- Wireless barcode reader for product identification and verification

## Waste Sealing Area

- Touch screen control panel for easy operation
- Cassette level counter and auto pressing-sealing of waste
- Continuous exhausting of contaminated air
- Button-activated dual sliding waste barrier to prevent toxic exposure
- Button-activated automated foil cassette cutting system



# PharmaScope Onco

## Key Features & Benefits



### Accuracy

Provides precise volumetrical delivery and instant gravimetric control with overdose prevention and dose verification system.

### Traceability

Ensures a traceable workflow from order entry to bed-site including every single patient dose and user steps. Provides advanced drug/container inventory management with unique barcodes for each drug and container

### Error Elimination

Prevents human-based errors with ultimate security features. Double-stage final container labeling, visual drug recognition, and barcode verification ensure correct dose delivery to the correct patient.

### Safe Working Area

Provides ultimate protection with biosafety compliance for operators and the environment. Automated waste management ensures safe disposal.

### Safe Disposables

Prevents hazardous drug exposures and needle-based injuries with closed system disposables. Kapsam's broad portfolio covers all needed disposables for compounding and infusion areas.

### Economy

Requires low investment cost compared with highly-expensive and complex robotic systems. Reduces drug losses considerably with line purging feature, low priming, and using partially-used drugs.

### Flexibility

Suitable to fit inside a standard cleanroom. Configurable for specific compounding practices, workflows, and clinical needs. Mobile-benchtop version is also available to fit inside a regular biosafety cabinet.

### Connectivity

Integration capability with HIS/EHR and pharmacy order entry systems via HL7 or other protocols. Built-in Wi-Fi and Ethernet LAN connection.

# PharmaScope Soft

## Pharmacy Workflow Management Software



PharmaScope Soft helps clinicians and pharmacy staff to manage the IV chemotherapy workflow and to enhance medication safety, efficiency and traceability from ordering to administration process.

### Key Features

- Signing up patients and order prescribing/planning
- Auto-calculation of ordered amounts in different units
- Partially used drug priority and drug loss reduction
- Remote order check and approval tool for pharmacists
- Detailed searching and documentation tools
- Real-time vial and final container inventory review
- Real-time monitoring and reporting of compounding activities
- Assigning automated and manual compounding queues
- Step-by-step user guidance during compounding process
- Tracking all user events with detailed LOG records
- Unique 2D barcode printout for final containers and vials
- Custom-designed labels and reports per specific needs
- Authorisation levels for each user type
- Auto/manual database backup and restore options
- Integration with HIS/EHR through HL7 and other protocols
- Accessible from PharmaScope Onco device and any workstation/client

# Disposables

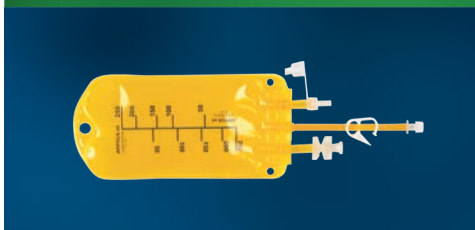
In our wide portfolio you can find all needed DEHP-Latex free disposables from drug transfer sets to bags and extension/infusion sets.

## Drug Transfer Sets and Connectors



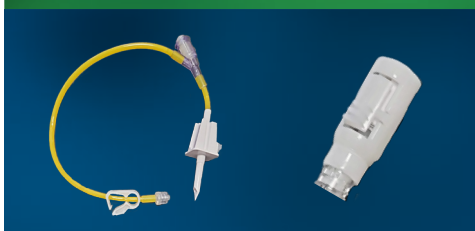
- High accuracy and safety with needle-free connections
- Minimum drug loss with low-priming volume
- Custom-design peristaltic/syringe pump sets
- Vial and syringe adaptors

## EVA Infusion Bags



- UV-protected EVA material
- Chemotherapy warning sticker
- Available sizes from 150ml to 1000ml
- Luer, spike and needle injection ports

## IV Extension and Infusion Sets



- UV light-protected
- Y-site needle-free connection for auto/manual drug transfer
- Extension lines with 0.2 micron filter, y-site and check-valve options
- Infusion sets with various 1-2-4 way combinations

## Technical Information

### Weight:

500 kg (Fully assembled)

### Dimensions (w x d x h):

182 x 46 x 55 cm (Internal) / 210 x 82 x 236 cm (External)

### Minimum Clearance (w x d x h):

300 x 180 x 250 cm

### Power:

900VA (Except exhaust motor), 220 VAC 50/60 Hz, Single Phase

### Regulatory Compliance:

2014/35/EU low voltage and 2014/30/EU electromagnetic compatibility in accordance with TS EN 60601-1, TS EN 61010-1 and TS EN 61326-1. Microbiological safety compatibility in accordance with ISO 12469.







## Comprehensive Solutions for Sterile Compounding & IV Infusion

- Automated IV Compounding Systems (TPN / ONCO / CIVA)
- Automated Fluid Dispensing Pump
- Pharmacy Operation & Order Entry Software (CPOE)
- IV Workflow Management System (IV-WMS)
- IV Compounding & Infusion Disposables
- Modular Cleanrooms & Accessories
- Biosafety & LAF Cabinets



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