



Positron Emission Tomography (PET) Drug Dispenser

Overview



Lifter

Specialized
Consumables

Dispensing
Module

Tungsten
Shield

All-in-one
Touch Panel

Functions

01

Dispensing Function

Tailin PET drug dispenser features automated dispensing capabilities. It can dispense solutions into syringes based on clinical requirements for concentration and dosage.

02

Applications

Generally used in clinical nuclear medicine departments, it can be placed inside a protective cabinet compatible with existing cabinets and replace manual dispensing work.

03

Suitable Drugs

Designed for liquid radiopharmaceuticals, especially PET radiotracers. It is also suitable for dispensing diagnostic and therapeutic liquids such as oral iodine solutions.

Key Features

High-Precision Dispensing

- Self-developed high-precision specialized consumables for nuclear medicine
- Dispensing activity accuracy up to 5%
- Ensures diagnostic and therapeutic efficacy



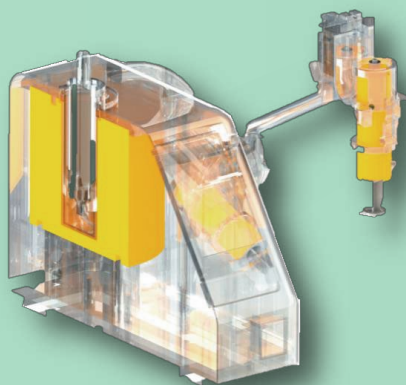
Safe Injection

- Patented air-free dispensing logic
- Self-developed tungsten shield with observation window for easy confirmation
- Syringe Luer connection with no risk of leakage



Radiation Protection

- Built-in lead shielding equivalent to 40mmPb; tungsten shielding equivalent to 6mmW
- Cumulative hand dose per dispensing operation less than 1mSv



Flexible Installation

- Flexible installation, no air source required
- Compact size, saves protective cabinet space



User Interface



Technical Specifications

Dimensions	Main unit: 160 mm (W) × 240 mm (D) × 175 mm (H)
Activity Dispensing Accuracy	± 5%
Transfer Accuracy	± 2%
Dispensing Cycle Time	≤ 90s
Lead Shielding Thickness (Main Unit)	40mm
Tungsten Shielding Equivalent	6 mm tungsten (equivalent to 9 mm lead)
Touchscreen Panel	15.6 inches
Syringe Volume	10mL
Gas Supply	Not required
Power Supply	220V
Main Unit Weight	19.5 KG
Activity Meter Compatibility	Compatible with CRC-55/25 and similar activity meters