

QUALITY CONTROL & VISUAL INSPECTION SOLUTIONS FOR RADIOPHARMACY PRODUCTION



RADIOPHARMA

PRECISION INTEGRITY ASSURANCE

- **Elevating Radiopharma Production with Unrivalled Quality**
- Introducing Comecer's cutting-edge solutions for **quality control and visual inspection** in radiopharmaceutical production. In the demanding world of radiopharmacy, **precision, integrity, and assurance** are paramount. The stakes are high, and the need for flawless production is non-negotiable. Our new suite of automated solutions is engineered to meet these challenges head-on, ensuring the highest standards of safety and efficacy for your final products. Comecer's innovative systems offer a complete, automated approach to a wide range of critical tasks, including:
- **Visual Inspection**
- **Container Closure Integrity Testing (CCIT)**
- **Vial Calibration and Labeling**
- Whether you need a **full, integrated solution** to streamline your entire production line or a **stand-alone module** to enhance a specific process, our technology delivers unmatched reliability and performance.

AUTOMATIC VISUAL INSPECTION & QUALITY CONTROL HOT CELL

Elevate your radiopharmaceutical production with our state-of-the-art **Automatic Visual Inspection & Quality Control Hot Cell**. This fully automated, shielded unit is equipped with a high-precision robotic arm to deliver comprehensive quality control, ensuring the integrity and safety of your final products. Our all-in-one solution integrates multiple critical processes:

- **Container Closure Integrity Testing (CCIT)**
- **Vial calibration**
- **Visual Inspection**
- **Vial labeling**
- **Shielded container labeling.**

The innovative loading system handles 6-position revolver containers, seamlessly elevating them into the hot cell. For CCIT, a non-destructive positive pressure test within an airtight chamber detects even the slightest leaks without product spillage, all while minimizing temperature fluctuations. The visual inspection station uses a high-definition camera with adjustable white/black backgrounds and a high-speed vial holder (up to 2000 rpm) to perform a thorough and reliable examination. Trust Comecer's technology to provide the precision and assurance your production demands.

**STAND-ALONE SINGLE MODULES:
CCIT MODULE & VISUAL INSPECTION MODULE**

CCIT Module

The "ML-S" Leak Testing Machine is designed specifically for Leak detection of Containers. ML-S is of the "stand alone" type and the installed Testing Chamber(s) need(s) to be either manually fed and unloaded by an operator or automatically

- The Leak Testing Machine is used for Non-destructive testing of Containers with the Vacuum Decay Method.
- The leak test is run on into one (or optionally more) airtight Testing Chamber in which a pre-set Vacuum Decay level is generated.
- Leak Testing Machine Measurement System follows an approved industry standard
 - "Standard Test Method for Non-Destructive Detection of Leaks in Packages"
 - Recognised by FDA as a Consensus Standard for Package Integrity Testing.

Key objectives and benefits

- Detection of leaks or potential leaks due to the presence of (micro) holes on Containers to be tested.
- Storage and maintenance of historical data (production, tests, alarms, events) for download.
- Real Time display of raw data and statistics.
- Real Time display of Leak Testing Cycle diagram.

Visual Inspection Module

Visual Inspection Module is a stand-alone module designed to inspect filled vials. It is stand-alone units to be placed inside the working area of hot cells. It is a stand-alone unit for inspection in Class A environment of vials – for all hot cells on the market

Visual Inspection is equipped with a black/white background that allows optimal inspection by changing the chromatic contrast.

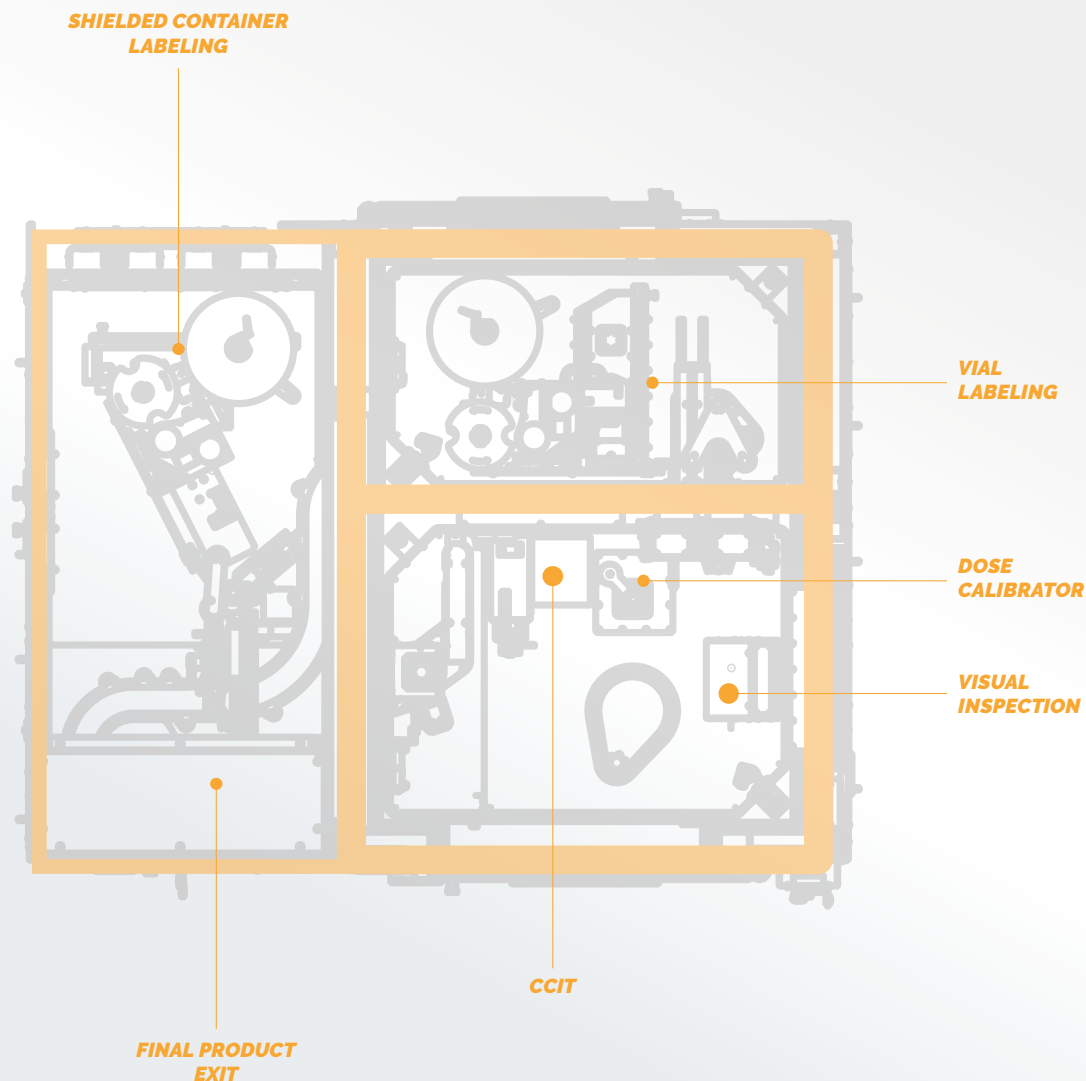


CCIT Module



Visual Inspection Module

QUALITY CONTROL VISUAL INSPECTION



WE ARE YOUR PARTNER FOR LIFE

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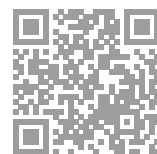
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