



# Medical Consumable Stock Management System



This is the Medical Consumable Stock Management System (MCSMS), designed specifically for medical institutions and clinics. The core of this system focuses on the deep tracking and data analysis of medical consumable lot numbers (LOT Numbers), ensuring medical safety and optimizing inventory management.



## CORE FUNCTIONS (Centered on LOT Number Management)



**Full-Process LOT Tracking** : Binds the production lot number and expiration date throughout the entire cycle—from consumable warehousing and inventory stocktaking to clinical usage.



**Smart Expiration Warning System** : Based on the expiration date corresponding to the LOT number, the system automatically issues "First-In, First-Out (FIFO)" prompts and near-expiry alerts to eliminate the use of expired consumables.



**Single-Click Product Recall** : When a manufacturer issues a recall notice for a specific lot, the system can locate its current inventory position and historical usage records within seconds.



**Rapid Barcode & RFID Logging** : Supports scanning the UDI (Unique Device Identification) on medical consumables to automatically extract and populate critical data such as the LOT number and expiration date.



**Consumption Trends & Usage Analytics** : Analyzes the consumption velocity of different lots across various departments, automatically recommending replenishment cycles and generating big-data statistical reports.

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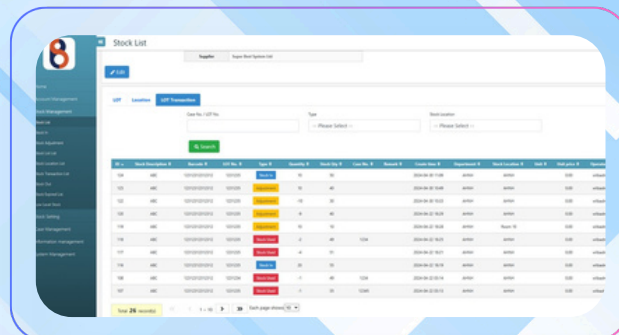
# CORE SYSTEM BENEFITS




**MCSMS**


Medical Consumable Stock Management System  
醫療消耗物品管理系統

 **Zero-Risk Medical Safety with Guaranteed Traceability:** Precise control over LOT numbers ensures every consumable used on a patient is within its safe operational window. In the event of an adverse medical incident, the origin and flow of that specific lot can be instantly traced, safeguarding the rights of both healthcare providers and patients.




 **Reduced Inventory Waste & Lower Operating Costs:** Traditional management often causes items at the back of the shelf to expire due to poor visibility. The system provides visual management of lot numbers and expiration dates to enforce "older batches first," drastically reducing financial waste caused by discarding expired stock.



 **Automated Administration to Liberate Healthcare Staff:** Eliminates the tedious paperwork of manually logging lot numbers and verifying expiration dates. Medical staff simply perform a quick scan, and the system automatically deducts stock by batch and records the item's movement, allowing them to dedicate more time to patient care.



 **Data-Driven Procurement to Prevent Stockouts:** By analyzing the consumption cycles of each lot, the system accurately forecasts future demand. It automatically prompts purchasing when stock falls below safe levels, perfectly balancing the dual goals of minimizing tied-up capital and preventing item stockouts.