

Medical Textile Management Expert

Industry Pioneer With **27** Years Of Technological Accumulation

- Listed Company
- Original Manufacturer
- Quality Assurance
- Lifetime Guarantee

ZHILAI MED

● As China's first developer specializing in intelligent linen management systems, Zhilai leverages its robust software and hardware R&D capabilities to deliver industry-leading RFID solutions for hospitals and laundry industry. Through the successful implementation of numerous projects, we have earned wide recognition from customers for our superior product experience and comprehensive after-sales support.

● As a leading OEM, Zhilai's annual production capacity reaches 280,000 units and annual revenue exceeds US\$140 million. Our products are available in more than 50 countries and regions worldwide, serving over 10 million users daily.

● Master the core technologies of the entire software and hardware chain, and build a full lifecycle service system that integrates research and development, production, sales, service, and operation and maintenance.

>>> About Zhilai Medical Introduction

Introduction of Zhilai



Zhilai Technology was founded in 1999 and is a leading enterprise in the global field of intelligent storage and delivery. After 27 years of technological accumulation, we have over 520 technology patents, 40 scientific and strict production processes, 15 rigorous aging testing quality guarantees, 46 after-sales service institutions nationwide, and a after-sales service team of more than 200 people. Our service network covers 80% of provinces in China. As a holding subsidiary of Zhilai Technology, Zhilai Medical bears the responsibility of promoting the medical industry to a higher peak and is committed to achieving greater progress in the medical field.

<p>200+</p> <p>Case study of a tertiary hospital</p>	<p>40</p> <p>scientific production processes</p>	<p>15</p> <p>15 rigorous aging tests</p>	<p>200000m²</p> <p>R&D and production base</p>
<p>280000</p> <p>Annual output of equipment</p>	<p>2400+</p> <p>Industry professionals</p>	<p>500+</p> <p>Patents and Copyrights</p>	<p>200+</p> <p>After-sales service team</p>

Cases Worldwide



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Overview of the solution

Through in-depth research and precise understanding of industry challenges, Zhilai Medical applies Internet of Thing, RFID, AI and a “one item, one code” system, together with intelligent hardware, to build a smart medical textile management platform. It realizes full-lifecycle digital management and greatly improves the efficiency of medical textile control.



Application value

01 Avoid cross infection

Through RFID technology, non-contact inventory and non unpacking counting of textile can be achieved, reducing direct **contact between delivery personnel** and dirty textile, thereby reducing the risk of cross infection.

02 Improve overall work efficiency

Using RFID scanning inventory instead of manual counting can significantly improve work efficiency. The handover time for counting 400 textile has been reduced from 1.6 hours to 9 minutes, resulting in a work efficiency **improvement of about 90%**.

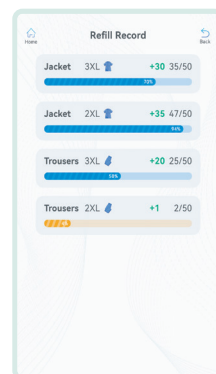
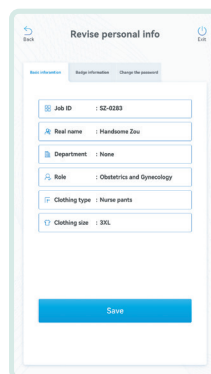
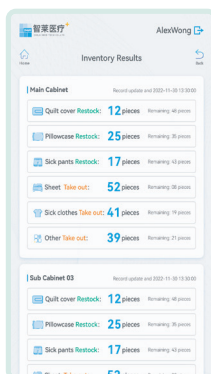
03 Provide decision data support

The use of RFID tag to count the number of times fabrics are washed solves the pain point of difficult counting of **textile washing life** in traditional management models, providing data support for textile loss reporting and procurement.

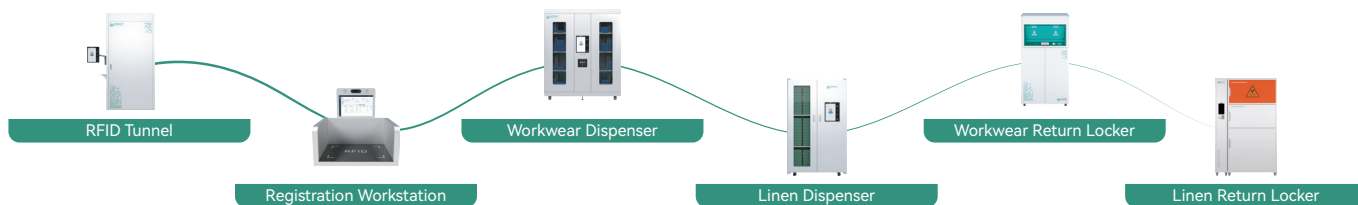
04 Textile process informatization

By using RFID tag, precise control of various stages of textile logistics is achieved, achieving visualization and traceability of textile logistics, and improving the efficiency of textile traceability **from 92% to 100%**.

Software Overview



Workflow



Intelligent hardware

RFID Tunnel

01 ONE

- 500+ PCS
- No more than 10s
- Inventory management



Registration Workstation

02 TWO

- Three sided shielding
- Scan distribution
- Efficient reading



Auto Workwear Dispenser

03 THREE

- Built in 2 robotic arms
- Quickly dispensing
- Efficient restocking



Workwear Dispensing Cabinet

04 FOUR

- Shared workwear
- Designated workwear
- Multiple authentication



Workwear Return Locker

05 FIVE

- Extra large capacity
- Built in RFID
- Metal detection



Linen Dispenser

06 SIX

- Realtime inventory
- Quick restocking
- Low inventory auto-warning

