

# Tool Management System Buying Guide

Control issue, return, calibration and accountability

**Designed for**

Manufacturing, maintenance, engineering, facilities, data centres and field-service teams.

## ERGO Hong Kong

Practical procurement guidance for professional workplaces, education, healthcare and enterprise environments.

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# How to Use This Guide

Tool management is not only secure storage. It must connect each user to each asset, record issue and return, highlight overdue items, and support calibration or service status where relevant. The best technology depends on tool value, quantity, material and workflow.

## Quick Procurement Checklist

|   |                                                                                 |
|---|---------------------------------------------------------------------------------|
| 1 | List tools, dimensions, value and calibration requirements.                     |
| 2 | Define who can access each tool or category.                                    |
| 3 | Choose individual compartments, shared cabinet, RFID or AI vision verification. |
| 4 | Specify issue, return, overdue and exception workflows.                         |
| 5 | Plan reports, maintenance records and integration with existing systems.        |

## 1. Compare Technology Options

| Electronically locked compartments | Direct control of each tool location  | High-value tools with dedicated bays           |
|------------------------------------|---------------------------------------|------------------------------------------------|
| RFID tool cabinet                  | Automatic presence detection          | Larger shared inventories                      |
| AI vision verification             | Photo and visual transaction evidence | Mixed tools and serial/label capture           |
| Handheld RFID audit                | Fast periodic verification            | Multiple rooms and mobile assets               |
| Basic access cabinet               | Controls who opens the cabinet        | Lower-risk storage without item-level tracking |

## 2. Workflow Design

### Issue and return

The user authenticates, selects an authorized tool, receives access, and the transaction is recorded. On return, the system verifies the item and closes the record.

### Calibration and service

Tools with calibration dates should be blocked or flagged when overdue. Service status must be visible before issue.

## 3. Operational Features

## 4. Procurement Tip

**Do not automate a poorly defined manual process. First agree responsibility for approvals, overdue tools, damaged returns, calibration blocks and emergency override.**

## Relevant ERGO Hong Kong Pages

Use these links to compare available solutions and discuss the correct configuration with our team.

|                                                                                       |                             |
|---------------------------------------------------------------------------------------|-----------------------------|
| <b>Tool Management Systems</b><br>Tool issue, return and accountability solutions.    | <a href="#">View online</a> |
| <b>AI Vision Smart Cabinets</b><br>Visual verification for tools and equipment.       | <a href="#">View online</a> |
| <b>RFID Asset Tracking Systems</b><br>RFID tracking for tools and operational assets. | <a href="#">View online</a> |
| <b>Custom Smart Lockers</b><br>Custom compartment and workflow configurations.        | <a href="#">View online</a> |

### Need a recommendation?

Share the device size, weight, quantity, installation environment and any special workflow requirements. ERGO Hong Kong can recommend a standard model or discuss a customized configuration.

[Contact ERGO Hong Kong](#)

### Important Note

This guide is intended for preliminary product selection. Final suitability depends on exact dimensions, load, VESA pattern, device power requirements, site conditions, user workflow and compliance requirements. Product specifications and availability may change; confirm final details before ordering.