UPIT Automated Smart Tool Management System

POWERTOOLS

优立科智能科技

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UPIT aims to assist and provide every user with advance technology to improve manufacturing efficiency so as to save cost resulting an increase in profits through a good resource management process.

Our capabilities include providing a full range of intelligent equipment solutions and data management software for use by the user in the precision manufacturing industry. This will pepare our customer to embrace the new era of industry 4.0 !

Our Service include:

Automated Tool Management System

Customized Electronic Resource Planning Software

Full Range for Real-Time Manufacturing Management Platform

We are a team of talented group of individual who specialize in providing smart devices and software that will suit and meet your requirements

Introduction to UPIT Smart Tool Management System

The UPIT Smart Tool Management system helps to store and retrieve your tools securely and systematically. It comprised of a main smart tool cabinet with a back end software which will be connected through a cloud service. It is able to customized data collected from end user to formulate the best solutions to meet the customer needs with the highest efficiency achieved.

1. Smart Tool Cabinet

2. Cloud Services

3. Back End Customised Software

1

Smart Tool
Cabinet

2

Cloud Services

3

Back end Customized Software

Usage Capabilities

Cutter

Milling Tools

Tap Tools

Drill Chuck

Drill

Grinding Wheel

Shank

General Tools

Product introduction

Spare Parts

Warehouse

Stores

Product introduction

*Centralised Tool Storage
*Smart Inventory Management System
*32" Touch Screen
*Real Time Tracking of Tool Withdrawal Quantity and available stock
*Customized linking to ERP, Cloud Services or End User Server
*Cabinet Dimension 1065*796*1820 mm

- **70 available storage space is one of the main advantage of the smart tool cabinet.**
- **It largely increase the efficiency as many types of tools can be managed at the same time.**

Product Introduction – User login

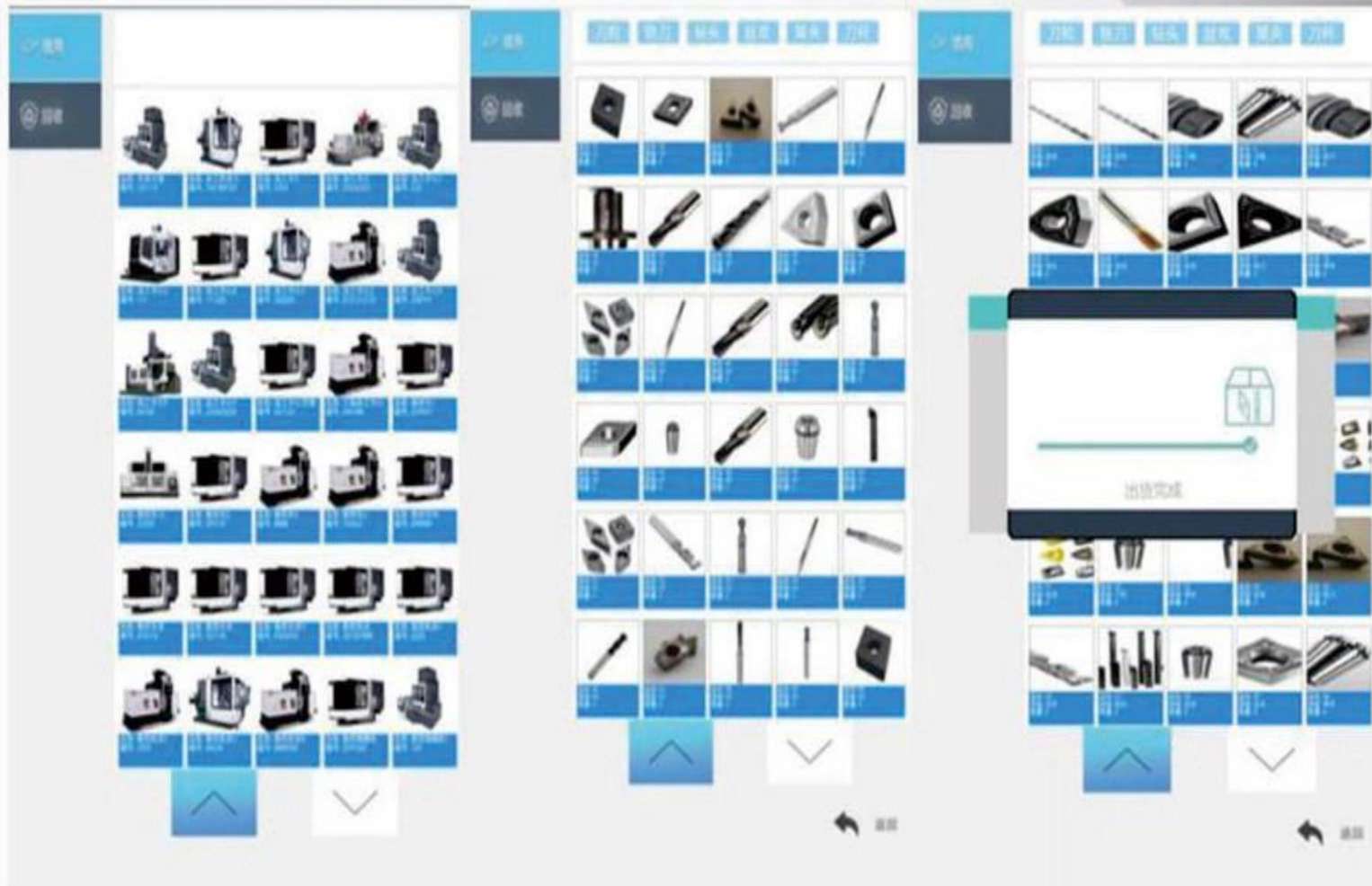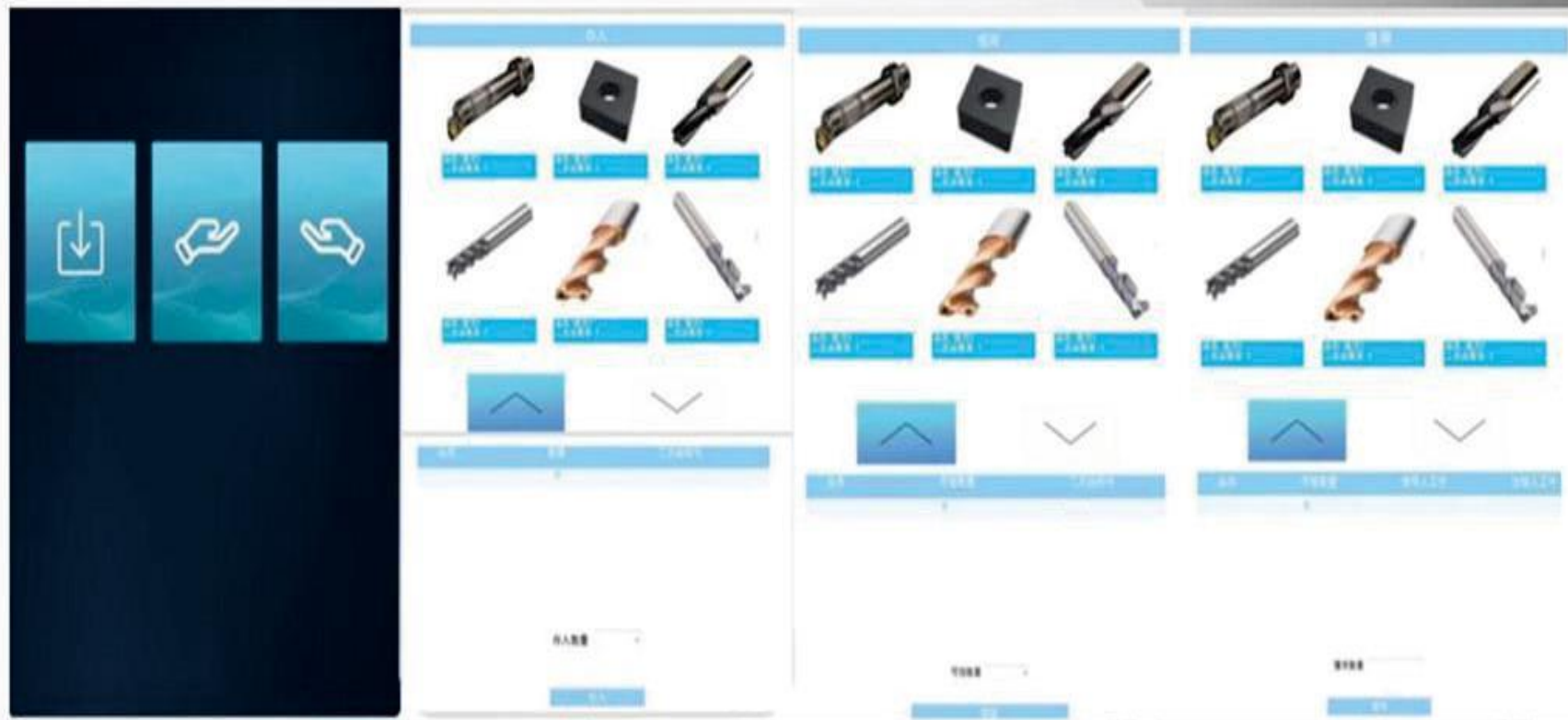**The system utilize the end user information to generate a QR code or fingerprint for login**

领刀二维码

Product introduction

- Withdrawal can be activated through settings from the system or manually by the user
- Real time tools withdrawal quantity shown
- Real time quantity of current stocks available
- Easy access to list of various tools available for selection
- Fast and easy retrieval

Product introduction

- System is able to store and record used tool.
- Settings can be done to prioritise to select to use the used tool over the new tool set first.
- Storage, withdrawal, loaning of tool will be done through the system and recorded for future references in a systematically manner.
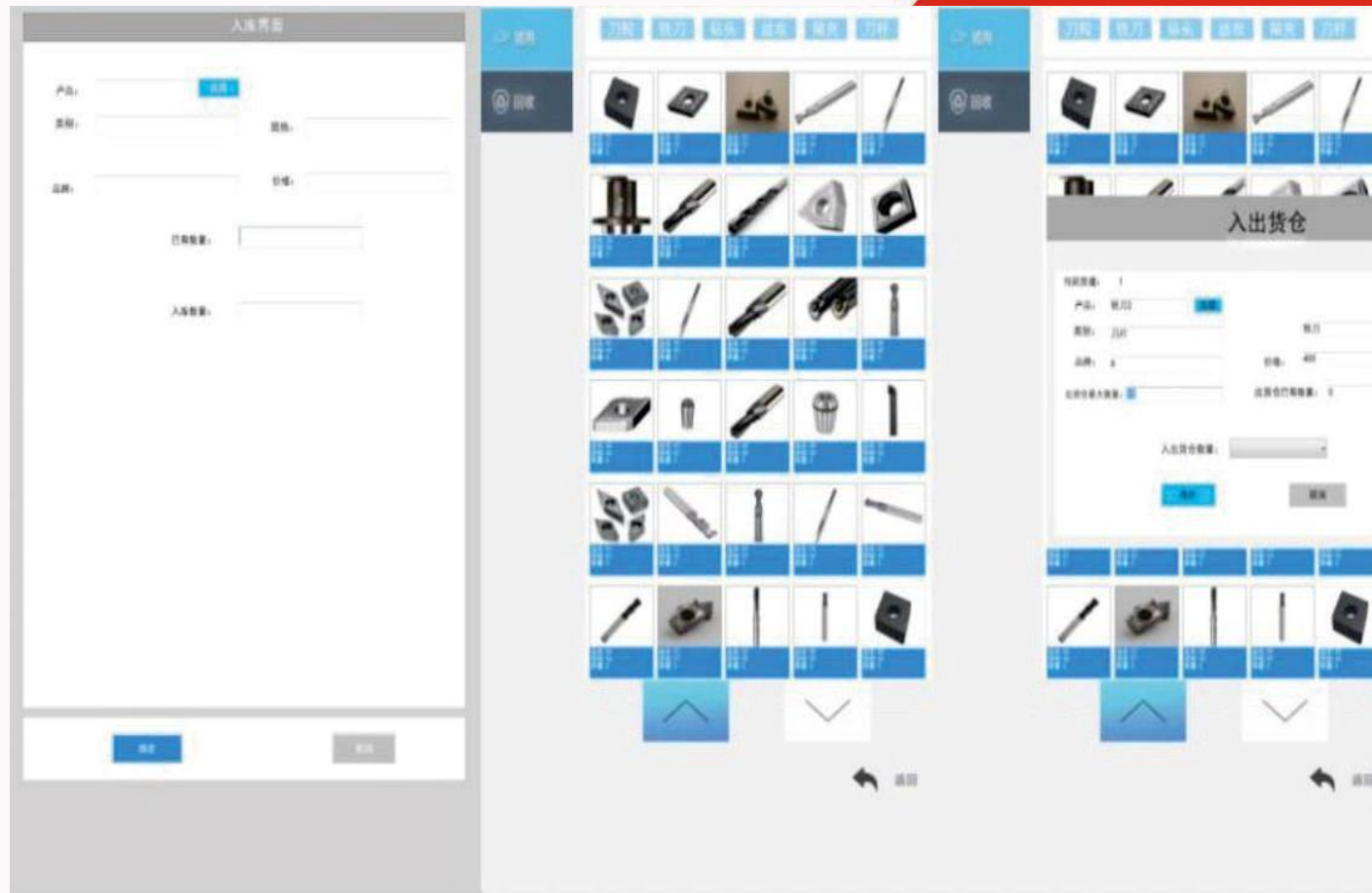
Product introduction

- Able to add user accessibility to the system or remove user excess rights

- Set and customize access rights to individual users

- Login done with Wechat ID with personalize account or password

- Record user information

- Set alert system for storage

Product introduction

Able to handle and store a huge variety of tools

No worries of storage space

User friendly system

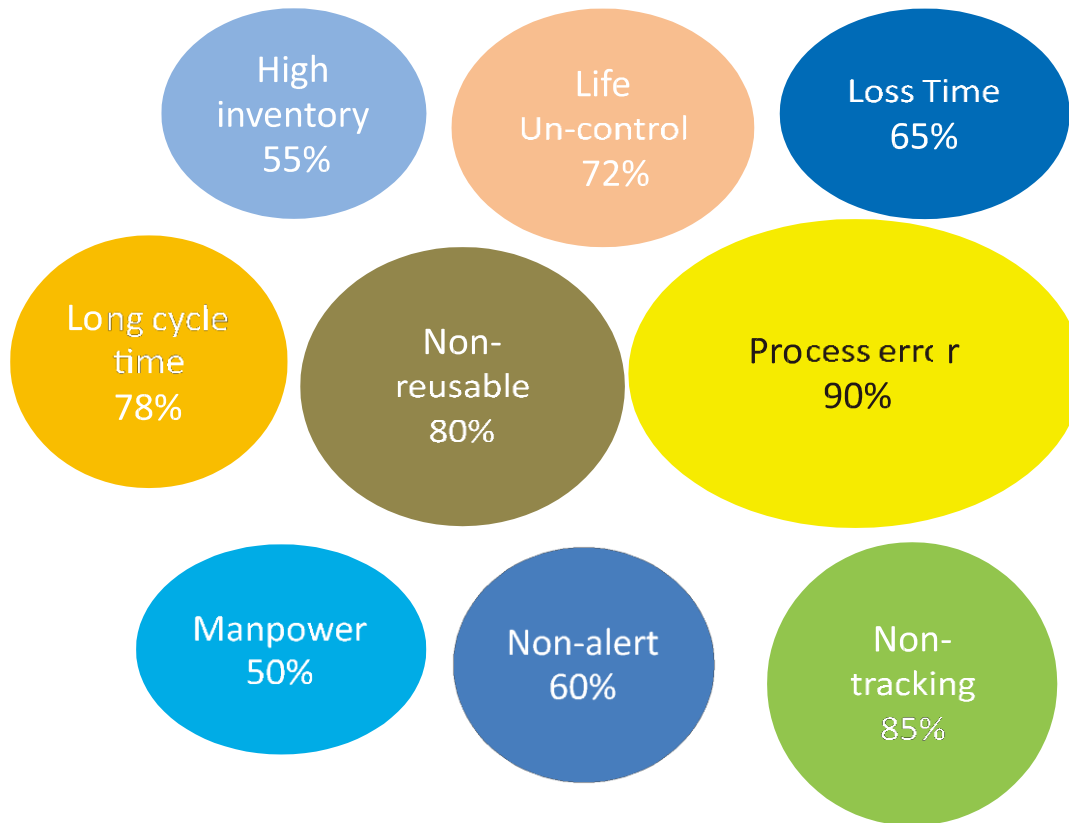List of tools display with photograph to easy identification

• Abl

• No

• Use

• List

Product introduction

Usage report will includes information on past records of tools withdrew and retrieved, storage capacity, low inventory etc.

Current Problem Faced

High inventory 55%	Life Un-control 72%	Loss Time 65%
Long cycle time 78%	Non-reusable 80%	Process error 90%
Manpower 50%	Non-alert 60%	Non-tracking 85%

What are the current problem faced by most Companies?

- Missing or lost tools
- Unable to control tool life
- Unable to keep track of expenditure on tool
- Too much time spend on stock taking for tooling
- Over purchase of the same tool
- Too much of excess quantity of unused tool
- Too much time spend to retrieve and record tool
- Unable to keep track of low inventory resulting in sudden lack of tool required
- High overheads spent to maintain all the tools

Solution to the problem – Automated Smart Tool Management System

- Accurately provide cost of tooling spent with readily available helpdesk

- Real time review of tool condition and quantity with retrieval and storage all done automatically through a well managed system

- Customized rights for individual for withdrawal of controlled tool for better control and security

- Automatic alert system for low inventory or any other abnormalities

- Customize and restrict tool quantity for each withdrawal

- No more queue for withdrawal of tools, increase productivity and efficiency

- Loss of tools can be easily tracked through usage record by the last user for liability

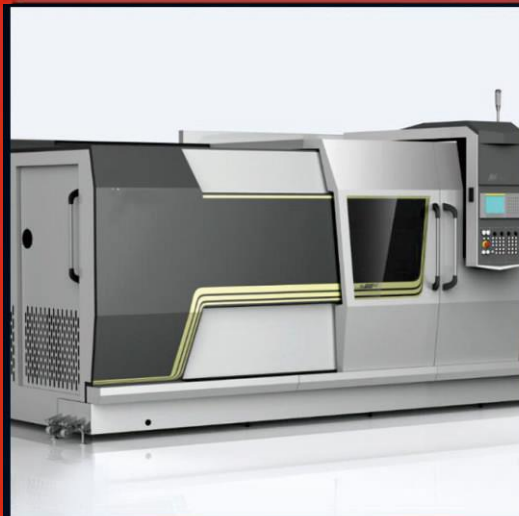- Ability to centralize tooling management with robust management system

Plan

Alert

Verification

Selection

Delivery

Product Advantage

- 32 inch touch screen system for easy assess
- Optimize tooling life, less wastage, environment friendly
- Provide a clear list of tool available for easy accessibility
- Expandable with additional storage
- Back up data in case of power failure
- Clean and neat operating platform for easy usage without any fuss
- Detailed and informative report for great overview of real time situation
- Storage alert for low inventory to prevent running out of stock
- Support enterprise development and helps to enhance and simplify tooling management

We reserve the right to modify the design and specifications without prior notice. Above specifications are for reference only. Correct specifications are based on actual machine due to constant upgrade and improvement on the product.

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