Smart Cabinet for Cutting Tools

SPECIFICATION

Appearance diagram introduction

-- Smart Cabinet for Cutting Tools

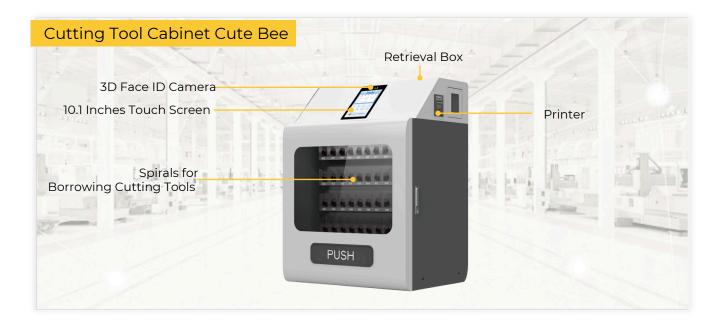**Cutting Tool Cabinet Model S**

- 3D Face ID Camera
- 18.5 Inches Touch Screen
- Spirals for Borrowing Cutting Tools
- Side Boxes for Returning Cutting Tools

Cutting Tool Cabinet Model PRO

- 3D Face ID Camera
- 21.5 Inches Touch Screen
- Spirals for Borrowing Cutting Tools
- Extension Cabinet
- Main Cabinet
- Side Boxes for Returning Cutting Tools

Appearance diagram introduction

-- Smart Cabinet for Cutting Tools

Cutting Tool Cabinet Model X

Automatic Flip
Face ID Camera (3D)

18.5 Inches Touch
Screen

Spirals for
Borrowing Cutting
Tools

Extension Cabinet

Main Cabinet

Side Boxes for
Returning Cutting Tools

Scanner

Printer

Cutting Tool Cabinet Cute Bee

Retrieval Box

3D Face ID Camera

10.1 Inches Touch Screen

Printer

Spirals for
Borrowing Cutting Tools

Configuration List

A complete list of tool cabinet configurations is shown in the table below:

Smart Bee Box Tool Cabinets

Configuration	Content
Main cabinet–- tool cabinet Cute Bee/ X/ PRO/ S	Tool cabinet for both borrowing and return
extension cabinet-- intelligent cabinet PRO-E/X-E (optional)	The Max. of spirals for a single extension cabinet can reach 80
Intelligent tool cabinet management system software	1 set, installed on the main cabinet
LCD screen	21.5 inches, installed on Model PRO main cabinet; 18.5 inches, installed on Model X/ S main cabinet; 10.1 inches, installed on Cute Bee main cabinet.
Card reader	1 set, installed on the main cabinet
Scanner	1 set, installed on Model X main cabinet; Optional for Model PRO/ S
Printer	1 set, installed on the X/ Cute Bee main cabinet

Parameter Information

Main cabinet-X

Configuration	Content
Model	Cutting Tool Cabinet– X
Overall dimensions (H*W*D)	1866*1216*1001 (mm)
Tool types	Milling cutters, thread mill tools, ball nose cutters, inserts, drilling and tapping cutters, reamers, etc.
Capacity	80 spirals, 20 pcs/spiral 50 sideboxes
Weight	438KG (approximately)
Screen	18.5 inches touch screen display, printer, scanner
Electrical Data	Power capacity: 500W, Rated voltage: 110-230V, Standby power: 121W, Working power: 230W, Rated frequency: 50HZ
Extension	Max. is 1 main cabinet plus 4 extension cabinets
Lifting plate	1 set, inbuilt
Networking mode	Wired network, 4G, WIFI
Login	Face ID, Account, IC card

Parameter Information

extension cabinet: X-E

Connection display

Configuration	Content
Model	X-E
Overall dimensions (H*W*D)	1866*878*1001（mm)
Tool types	Milling cutters, thread mill tools, ball nose cutters, inserts, drilling and tapping cutters, reamers, etc.
Capacity	80 spirals, 20 pcs/spiral
Weight	317KG (approximately)
Electrical Data	Power capacity: Common power supply with main cabinet, Rated voltage: 110-230V, Standby power: 56W, Working power: 138W, Rated frequency: 50HZ

Parameter Information

Extension cabinet TE57

Connection display

Configuration	Content
Model	TE57
Overall Dimensions (H*W*D)	1933*1600*500（mm）
Size for Single Compartment (H*W*D)	54 small compartments: 132*234*400（mm） 3 big conpartments: 290*492*400（mm)
Single Compartment Maximum Load Capacity	≤10kg
Weight	Net weight: 305KG (gross weight: 355KG)
Electrical Data	Power capacity: 500W, Rated voltage: 110-220V, Standby power: 20W, Working power: 100W, Rated frequency: 50HZ
Surveillance camera	Optional

Parameter Information

Extension cabinet -TE100

Connection display

Configuration	Content
Model	TE100
Overall Dimensions (H*W*D)	1933*1600*500（mm)
Size for Single Compartment (H*W*D)	96 small compartments-- 91*152*400（mm) 4 big compartments-- 228*339*400(mm)
Single Compartment Maximum Load Capacity	≤10kg
Weight	Net weight: 385KG (gross weight: 435KG)
Electrical Data	Power capacity: 500W, Rated voltage: 110-220V, Standby power: 50W, Working power: 180W, Rated frequency: 50H
Surveillance camera	Optional

Parameter Information

Extension cabinet-TE108   Connection display

Configuration	Content
Model	TE108
Overall dimensions (H*W*D)	1933*1450*500（mm）
Size for single compartment (H*W*D)	120*120*400（mm）
Capacity for single compartment	≤10kg
Weight	Net weight: 350KG (gross weight: 400KG)
Electrical Data	Power capacity: 500W, Rated voltage: 110-220V, Standby power: 50W, Working power: 190W, Rated frequency: 50HZ
Surveillance camera	Optional

Parameter Information

Main cabinet- PRO

Configuration	Content
Model	Cutting Tool Cabinet-PRO
Overall dimensions (H*W*D)	1857*1210*970 (mm)
Tool types	Milling cutters, thread mill tools, ball nose cutters, inserts, drilling and tapping cutters, reamers, etc.
Capacity	80 spirals, 20 pcs/spiral 50 sideboxes
Weight	400KG (approximately)
Screen	21.5 inches touch screen display
Electrical Data	Power capacity: 500W, Rated voltage: 220V, Standby power: 96W, Working power: 178W, Rated frequency: 50HZ
Extension	Max. is 1 main cabinet plus 9 extension cabinets
Networking mode	Wired network, 4G, WIFI
Login	Face ID, Account, IC card

Parameter Information

Extension cabinet-ProE

Connection display

Configuration	Content
Model	PRO-E
Overall dimensions (H*W*D)	1857*840*970（mm)
Tool types	Milling cutters, thread mill tools, ball nose cutters, inserts, drilling and tapping cutters, reamers, etc.
Capacity	80 spirals, 20 pcs/spiral
Weight	200KG (approximately)
Electrical Data	Power capacity: Common power supply with main cabinet, Rated voltage: 220V, Standby power: 20W, Working power: 31W, Rated frequency: 50HZ

Parameter Information

PRO+TE57

PRO+TE100

PRO+TE108

Parameter Information

Main cabinet-S

Configuration	Content
Model	Cutting Tool Cabinet– S
Overall dimensions (H*W*D)	1837*1121*900 （mm）
Tool types	Milling cutters, thread mill tools, ball nose cutters, inserts, drilling and tapping cutters, reamers, etc.
Capacity	60 spirals, 20 pcs/spiral 36 side boxes
Weight	300KG (approximately)
Screen	18.5 inches touch screen display
Electrical Data	Power capacity: 500W, Rated voltage: 220V, Standby power: 70W, Working power: 160W, Rated frequency: 50HZ
Networking mode	Wired network, 4G., WIFI
Login	Face ID, Account, IC card

Parameter Information

Main cabinet– Cute Bee

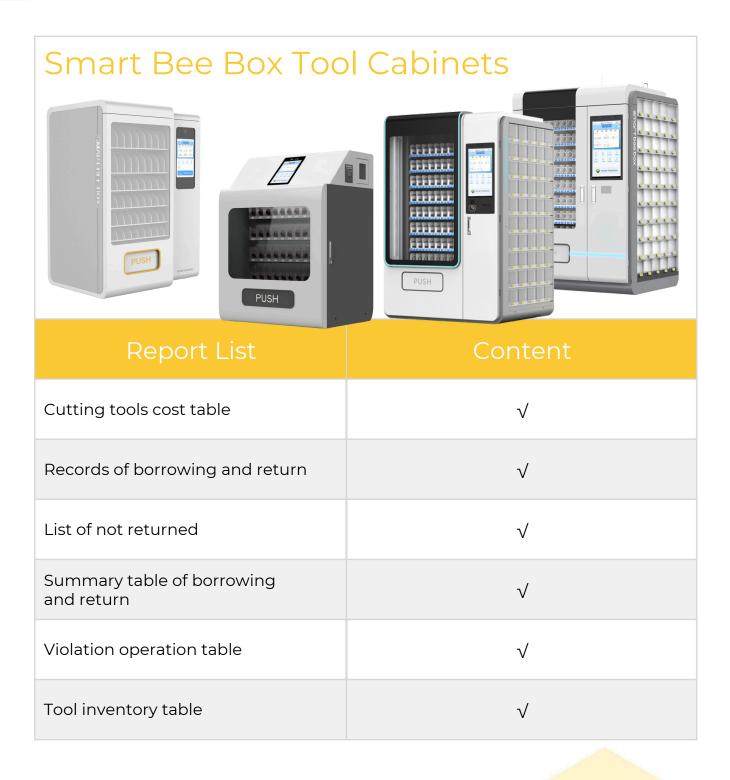|	
Model	Cutting Tool Cabinet– Cute Bee
Overall dimensions (H*W*D)	1207*800*623 (mm)
Tool types	Milling cutters, thread mill tools, ball nose cutters, inserts, drilling and tapping cutters, reamers, etc.
Capacity	Borrowing area-- 48 spirals; Retrieval box– 2 (top put in)
Weight	140KG (approximately)
Screen	10.1 inches touch screen display
Electrical Data	Power capacity: 500W, Rated voltage: 110-230V, Standby power: 73W, Working power: 145W, Rated frequency: 50HZ
Printer	1 set, installed
Networking mode	Wired network, 4G, WIFI
Login	Face ID, Account, IC card

Backend Report List

Smart Bee Box Tool Cabinets

Report List	Content
Cutting tools cost table	√
Records of borrowing and return	√
List of not returned	√
Summary table of borrowing and return	√
Violation operation table	√
Tool inventory table	√

Backend System Functions

Smart Bee Box Tool Cabinets

Main Module	Main Functions	Content
Features	One cabinet with multiple function	Not only manage cutting tools, but also manage other items– high cost-effectiveness.
	Material requisition	With one-click-borrow, we can prevent incorrect matching and borrowing.
	Permission control	The limit of borrowing cutting tools can be set based on the process of plant management.
	Old for new	Incompletely used tools can be reused and recollected, ensuring that cutting tools are not wasted.
	Public storage & personal storage	Temporary storage of personal items and materials
	One click to generate a data statistics chart	Generate records of abuse of cutting tools, borrowing tools, consumption of equipment and cutting tools, etc.
	Real time detection of tool usage	Mini programs and computers will analyze and collect tooling and equipment data by personnel,
	Connect with work order	Easy to calculate the tooling cost for each product and work order.
	Borrow and return in one cabinet	Achieve true 24-hour unattended, saving labor costs.
	Tool life statistics	Easy to record the processing number and processing time of each cutting tool.
	Connect with ERP	Provide standard API for docking with ERP.