



TOOL 刀 具 工 具
EMPOWER 綜 合 管 理 機



大正科技機械股份有限公司
PROPISTON TECHNOLOGY MACHINERY CO., LTD

FEATURE

The best choice for saving storage space. One control cabinet can be matched with up to 15 grid cabinets. The grid cabinet can be selected from the cutting tool grid, tool grid and return grid. It can be used flexibly and has flexible storage space. The grids can be combined into groups at will. When there are too many single tools or tools, the group function can be used. Any number of grids can be grouped together. The total number will be automatically calculated after grouping.



SPECIFICATIONS

	Control Cabinet	Grid Cabinet
Model	CNW-01	BW-40
Dimensions	550w*460d*1970h (mm) Width*Depth*Deight	800w*460d*1970h (mm) Width*Depth*Deight
Color	Sand Grain Black	Yellow/Gray
Weight	About 68kg	About 260kg
Capacity	Upper cabinet for electrical appliances, Lower cabinet for storage (109+95L)	40 Grids, Grid specifications 150w*420d*120h (mm) Width*Depth*Deight
Power	110v/220v	110v/220v
Equipment Function	21.5-inch screen, Barcode reverse scanning module, IC/ID magnetic card reader, Speaker, Live binocular camera	Weighing grid, Electromagnetic lock to open the door
Networking Method	4G network connection, WIFI connection, Internet cable connection	Wired connection (Used as a sub-cabinet. With material machine or control cabinet)



FEATURE

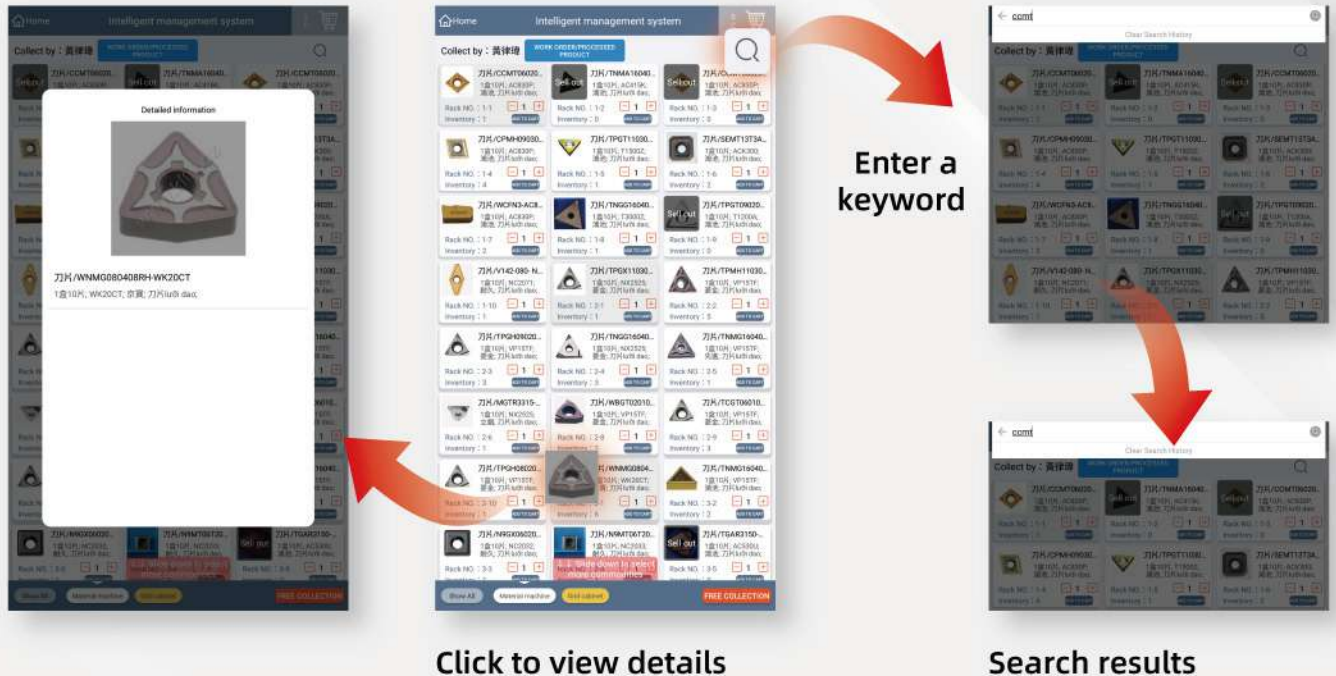
Large storage space, 60 spring aisles can hold up to 1,500 boxes of cutting tool, and 40 grid cabinets can store up to 100 items. The grid cabinet can be selected from the cutting tool grid, tool grid and return grid. Material machines and grid cabinets can be flexibly paired. One material machine can be matched with four grid cabinets or material machines. The lifting platform prevents cutting tools from falling directly from a high place, causing damage or breakage of the cutting tools.

SPECIFICATIONS

	Material Machine	Grid Cabinet
Model	CTW-60	BW-40
Dimensions	1100w*925d*1970h (mm) Width*Depth*Deight	800w*460d*1970h (mm) Width*Depth*Deight
Color	Sand Grain Black	Yellow/Gray
Weight	About 395kg	About 260kg
Capacity	6 layers, 10 rows per layer, 60 aisles in total Each row of commonly used springs can hold 25 boxes. A total of 1,500 boxes of tool boxes	40 Grids, Grid specifications 150w*420d*120h (mm) Width*Depth*Deight
Power	110v/220v	110v/220v
Equipment Function	21.5-inch screen, Barcode reverse scanning module, IC/ID magnetic card reader, Speaker, Live binocular camera, Lifting pickup platform	Weighing grid, Electromagnetic lock to open the door
Networking Method	4G network connection, WIFI connection, Internet cable connection	Wired connection (Used as a sub-cabinet. With material machine or control cabinet)

Simple Operation, Easy Search, Image Comparison

Enter a partial keyword instead of the full name to search. Use the cutting tool/tool image to compare with the actual object and reduce selection errors.



Switch Language

The device homepage allows quick language switching to facilitate use by foreign employees. Currently supported languages: Traditional Chinese, Simplified Chinese, English, Vietnamese, and Thai.

- 語言切換
- ☐ English
 - ☒ 中文(繁體)
 - ☐ 中文(簡體)
 - ☐ ภาษาไทย
 - ☐ Tiếng Việt

確定

取消

Instant Message Notification

When an abnormality occurs during collection, return, or replenishment, or when the inventory falls below the set inventory warning line or reaches zero, an instant alert notification will be sent using LineNotif or Email.



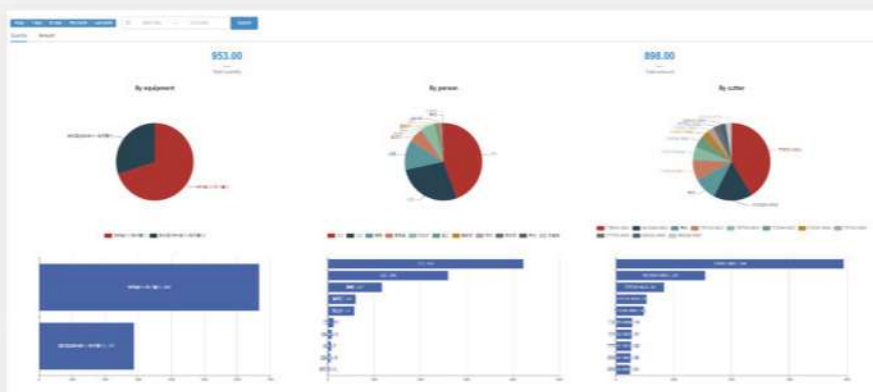
Cloud Backend for Easy Querying

Supports digitalization, visualization, and multi-dimensional charts for efficient management.

The backend allows querying of information such as the person who collected and returned items and the quantity, making safety inventory management more convenient.

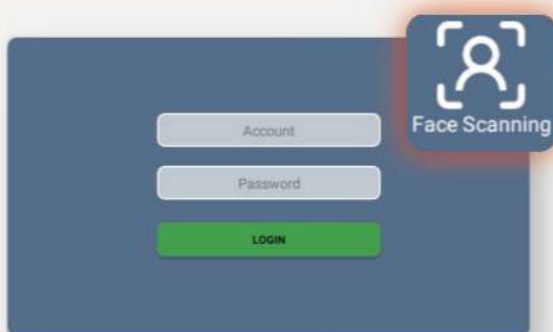
The screenshot shows the 'Equipment module' interface. The sidebar menu includes: Equipment Center, Community Center, Member Center, Report Center, Member collection and return logs, Community sales statistics, Replenishment record, Statistics of Community on site, Exception message, Multidimensional analysis chart, QR code, and Email config. The main area displays a table with columns: Equipment, Membership card number, Member name, Member type, Container number, Grid type, Work order name, Trade name, Processing Machine, Type, Quantity, Creation date, and Menu. The table contains three rows of data.

Equipment	Membership card number	Member name	Member type	Container number	Grid type	Work order name	Trade name	Processing Machine	Type	Quantity	Creation date	Menu
W000000001	W000000001	W000000001	W000000001	W000000001	W000000001	W000000001	W000000001	W000000001	W000000001	1	2023-05-21 09:44:24	
W000000002	W000000002	W000000002	W000000002	W000000002	W000000002	W000000002	W000000002	W000000002	W000000002	2	2023-05-22 13:42:20	
W000000003	W000000003	W000000003	W000000003	W000000003	W000000003	W000000003	W000000003	W000000003	W000000003	1	2023-05-22 13:42:20	

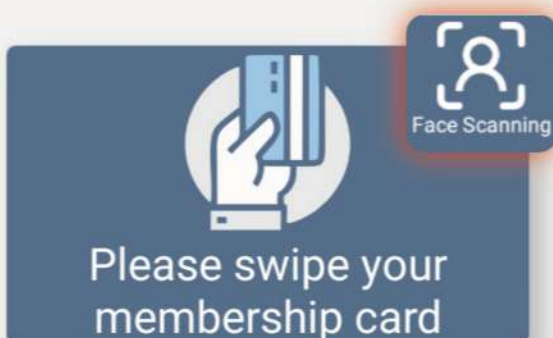


Multiple login methods

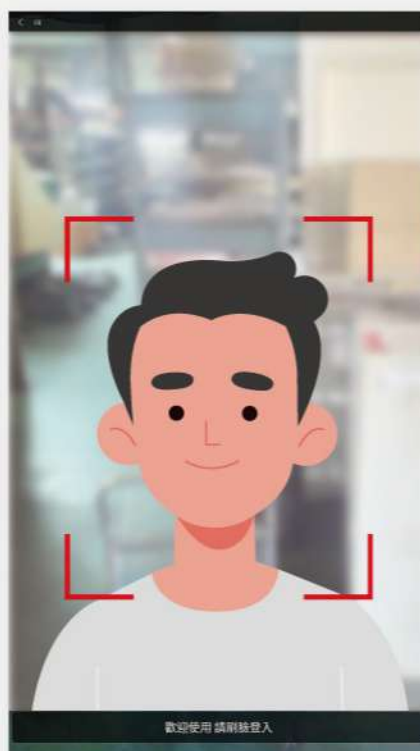
There are three ways to log in to the device, including password login and magnetic card login. You can choose to use either one, but no matter which one you choose, you can use the face recognition function to log in to the system.



Password Login



Magnetic Card Login



Face Recognition

Job Agency

The administrator account can exercise the authority of a job agent and collect or return cutting tools/tools on behalf of the employee on leave.

Substitute Pickup/Self Pickup

Please select

SUBSTITUTE PICKUP

SELF PICKUP

Barcode Collection

The barcode scanner can scan one-dimensional and two-dimensional codes. It can be set in the cloud platform. You can set the collection of single products, material numbers or work orders. After setting, scan the code to add to the shopping cart to reduce the risk of wrong collection.

Tips

Scan successful, add to cart?

CANCEL

YES

Material Number List/ Work Order Collection

Easily import required cutting tools/tools with one click.

Click the Material Number List or Work Order button to select the preset material number or work order, then add the required items to the shopping cart, reducing the risk of picking the wrong items.

Shopping Cart

Select All/Deselect All

Count

Inventory

☐	A 2-3		VCMT160404N-LU(VCMT33... 住友; 刀片; 一盒10片; DSHG-04-01	1	0
☒	1-2		KENNAMETAC LNPU11040... 刀片; 一盒10片; 其他; DSHG-04-01	1	22
☒	2-1		WNMG432EGU AC6040M 刀片; 一盒10片; 住友; DSHG-04-01	1	21

Dispatch Order: A-140111001

Product Material Number: DSHG-04-01

Processed Product Image Number: DSHG-04-01

* Click 'COLLECT' to ship the selected items

EMPTY CART

COLLECT

Work Order/Processed Product

Dispatch Order

A-140111001

A-140110002

Product Material Number

测试用3

测试用2

DSHG-04-01

CPDG-06-01

Independent Account Permission Settings

Each account can be assigned different permissions, with the ability to set restrictions on cabinets, cutting tools/tools, and quantities for better access control.

Hint dialog box with the following fields:

- Member type: Administrator (dropdown)
- Enable or not: ☐
- Receive quantity: 2 (input field with minus and plus buttons)
- Designated equipment: Select (dropdown) ☐ Select all
- Designated container: Select (dropdown) ☒ Select all
- Designated commodity: Select (dropdown) ☐ Select all
- Buttons: Cancel, Ok

Cabinet Return

You can set up either a personal return cabinet or a cutting tool return cabinet.

- * **Personal Return Cabinet:**
Assigned to individuals, where each person returns items to their designated cabinet.
- * **Cutting Tool Return Cabinet:**
Assigned to specific cutting tools, ensuring each tool is returned to its designated cabinet.

Cabinet Return interface showing two sections:

- Equipment:** Includes a dropdown for "ReturnEffective value", "Bind member", and "Bind commodity". Below are images of tools (2-1)MCSQ04..., (2-2)RB0102..., (2-3)TTPT20..., and a person icon (111 Effective value...). A "Select" button is present.
- Grid cabinet:** Includes a dropdown for "ReturnEffective value", "Bind member", and "Bind commodity". Below are images of tools (2-1)MCSQ04..., (2-2)RB0102..., (2-3)TTPT20..., and a box icon (DRCS04-0075A Need to return: 4 Effective value... Inventory: 0 / 500). A "Select" button is present.

Tips

No items detected to be returned

YES

Invalid Return Judgment

If there is no item inside when returning the cutting tool/tool, it will be considered as invalid return.

Trade-In

After returning a cutting tool, you can use the exchange function to directly receive the same cutting tool, reducing the risk of selecting the wrong item when receiving it again.

Intelligent management system interface showing a grid of returned items:

Returned by: 測試派大星			WORK ORDER/PROCESSED PRODUCT	SHOW ALL
KENNAMETAC L... 刀片;一盒10片;其他; Dispatch Order : Other Unreturned amount : 22 Return Qty 0 + -	LNPU110408SRGE 一盒10片; Dispatch Order : Other Unreturned amount : 116 Return Qty 0 + -	VCMT160404N-L... 住友;刀片;一盒10片; Dispatch Order : Other Unreturned amount : 10 Return Qty 0 + -		
KENNAMETAC L... 刀片;一盒10片;其他; Dispatch Order : 測試 Unreturned amount : 2 Return Qty 0 + -	WVMG432EGU A... 刀片;一盒10片;住友; Dispatch Order : 測試 Unreturned amount : 1 Return Qty 0 + -	VCMT160404N-L... 住友;刀片;一盒10片; Dispatch Order : 測試 Unreturned amount : 1 Return Qty 0 + -		

Buttons: CONTINUE RETURN, TRADE-IN

Cutting tool Life

The cutting tool life for each part number can be set in the part number list.

When returning a cutting tool, the number of times used can be entered, allowing the system to automatically perform statistical analysis on the tool's lifespan.

Life Information					
Cutter	Dispatch Order	Product Material...	Processed...	Lifetime	Usage...
KENNAMETAC LNPU110408SRGE KCPM40 MILL4	A-140111001	DSHG-04-01	Processed Quantity	/ 3000	Usage Duration

CANCEL
YES

Grid Cabinets Have Flexible Storage Space

The storage space is flexible, allowing grids to be freely combined into groups. When a single grid is insufficient for storing multiple cutting tools or tools, use the grouping function to combine multiple grids.

The total quantity is automatically calculated after grouping.

The cabinet door opens automatically when picking up or returning items.

2-1



AG1

30/10000

Selling price 1.00
Member price 1.00

刀片/DCGT...

☐ Select

2-2



AG1

25/10000

Selling price 1.00
Member price 1.00

刀片/DCGT...

☐ Select

2-3



AG1

10/10000

Selling price 1.00
Member price 1.00

刀片/DCGT...

☐ Select

2-4



AG1

8/10000

Selling price 1.00
Member price 1.00

刀片/DCGT...

☐ Select

Weighing Function

Each grid cabinet is equipped with a weighing function, allowing for automatic quantity verification during replenishment or retrieval.

If the quantity is incorrect, an immediate alert will be triggered.

A 3-3 

鎢鋼鑽頭Φ16/...

Inventory : 2
Be collected : 1
Picked : 1
Closed

The quantity is correct

A 3-3 

鎢鋼鑽頭Φ16/...

Inventory : 2
Be collected : 1
Picked : 2
Mismatch

The quantity is wrong

View InformAtion In Real Time

Abnormal status and unreturned records can be queried instantly on the device.

Please select


Unreturned Information


Abnormal Information

Unreturned Information

Personnel	Product Name	Slot Type	Date	Count
测试员大星	WNNAG432EGU AC6040M	Cutter	2025-03-24 10:13:22	1
测试员大星	刀片1	Cutter	2025-03-24 10:13:22	1
测试员大星	LNPJ110408SRGE	Cutter	2025-03-21 10:33:01	1
测试员大星	LNPJ110408SRGE	Cutter	2025-03-21 10:33:02	1
测试员大星	LNPJ110408SRGE	Cutter	2025-03-21 10:30:10	1
测试员大星	刀片1	Cutter	2025-03-17 08:36:01	1
测试员大星	KENNAEMETAC LNPJ110408SRGE KCPM40 MILL4	Cutter	2025-03-17 08:36:01	1
测试员大星	WNNAG432EGU AC6040M	Cutter	2025-03-17 08:36:01	1
测试员大星	WNNAG432EGU AC6040M	Cutter	2025-03-17 08:36:01	1
测试员大星	刀片1	Cutter	2025-03-17 08:36:01	1
测试员大星	刀片1	Cutter	2025-03-17 08:36:01	1

Abnormal Information

Device Name	Type	Abnormal Type	Description	Time
测试物料-供料器	Abnormal	Other Abnormal	设备已离线	2025-03-25 17:21:08
测试物料-供料器	Abnormal	Return Abnormal	No items detected to be returned & 111 & 0g	2025-03-25 15:01:07
测试物料-供料器	Abnormal	Return Abnormal	No items detected to be returned & 111 & 0g	2025-03-25 15:00:28
测试物料-供料器	Abnormal	Other Abnormal	设备已离线	2025-03-24 17:20:06
测试物料-供料器	Abnormal	Other Abnormal	设备已离线	2025-03-21 17:17:36
测试物料-供料器	Abnormal	Return Abnormal	No items detected to be returned & 111 & 0g	2025-03-21 10:13:36
测试物料-供料器	Abnormal	Return Abnormal	No items detected to be returned & 111 & 0g	2025-03-21 10:14:36
测试物料-供料器	Abnormal	Return Abnormal	No items detected to be returned & 111 & 0g	2025-03-21 10:13:36
测试物料-供料器	Abnormal	Other Abnormal	设备已离线	2025-03-20 18:16:33
测试物料-供料器	Abnormal	Other Abnormal	设备已离线	2025-03-20 15:06:22
测试物料-供料器	Abnormal	Other Abnormal	设备已离线	2025-03-20 13:10:29

Unreturned information Abnormal information

Gravimetric Sampling Function

If a discrepancy is detected in the cutting tool's weight, the unit weight can be adjusted immediately to ensure accurate quantity calculation and avoid errors caused by weighing discrepancies.

Hide keyboard

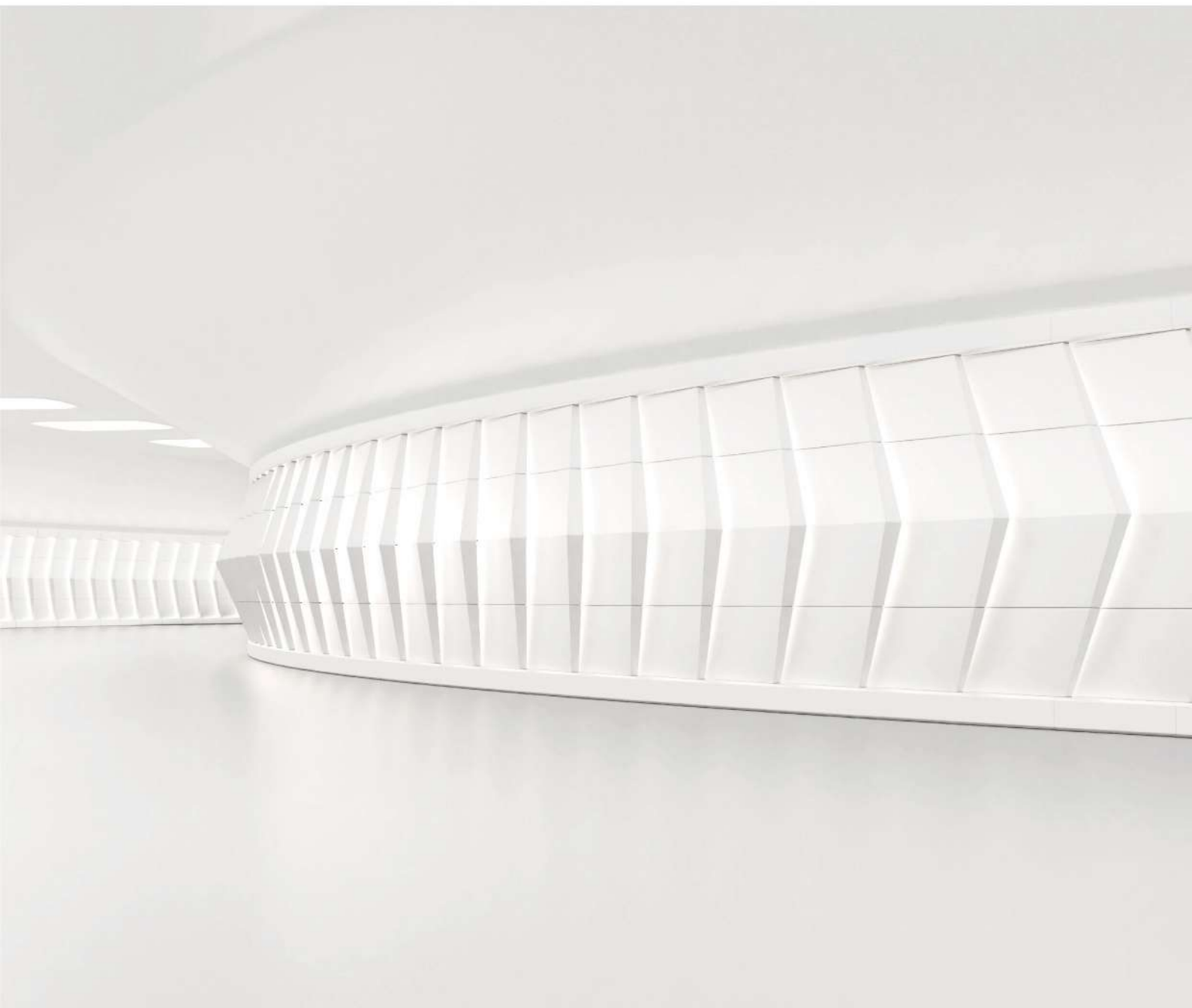
Unit Weight Setting

Rack number:A 2-3 Current weight:12g

Count:

Unit Weight: 12.0000g

ZERO CLEARING CLEAR UNIT WEIGHT UPDATE BACKEND SYSTEM SAVE AS SINGLE



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