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CUTTING TOOL CATALOGUE

Intelligent Storage	678
Intelligent Tool Cabinets	680
D-400 Series Products	681
D-730 Series Products	682
Vertical Lift Storage	683
Vertical Rotator Storage	686

D-400 Series Products

D-400A Main Cabinet



Product Features:
The D-400 series consists of independent channel-segregated drawer cabinets, part of the high-end multifunctional D-series product line. It enables fine material management, supporting material distribution and recycling, with customizable channel usage and permission allocation. Suitable for material classification and recycling scenarios like tool sharpening, or for different supplier permission management scenarios.

D-400E Expansion Cabinet



Product Features:
The D-400E Expansion Cabinet is connected to the main cabinet for expanding storage positions. Its hardware characteristics are consistent with the D-400 main cabinet, and the system functions follow the connected main cabinet. It can store over 80 types of tools and can be infinitely expanded with adders.

Compatible with: D-400E, L-100E, D-600E

Hardware Configuration		System Functions	
Dimensions (L*W*H)	1310*670*1850 mm	Trade-in program	★
Weight (KG)	600KG	Production planning	★
Power supply	AC 220V/10A50HZ	Machine drawing association	★
Operating voltage	12V/24V	Tool life management	★
Storage channels	Customizable options	ERP interface provided	★
Channel spacing parameters:		Return & repair tracking	★
Spacing mm	30/65/100/135/205/420	Remote ad management	★
Divider count	12/6/4/3/2/1	Inventory alerts	★
Operating system	Windows/Android	Material recycling	★
Data protection	UPS	Material replenishment	★
Recognition system	Card reader/facial recognition	Electronic sample positioning	★
Data transmission	Wi-Fi/USB/MG Interface	Cloud module	★
		Usage query	★
		Data analytics	★
		Usage statistics	★
		WeChat report push	★

★ The function is provided

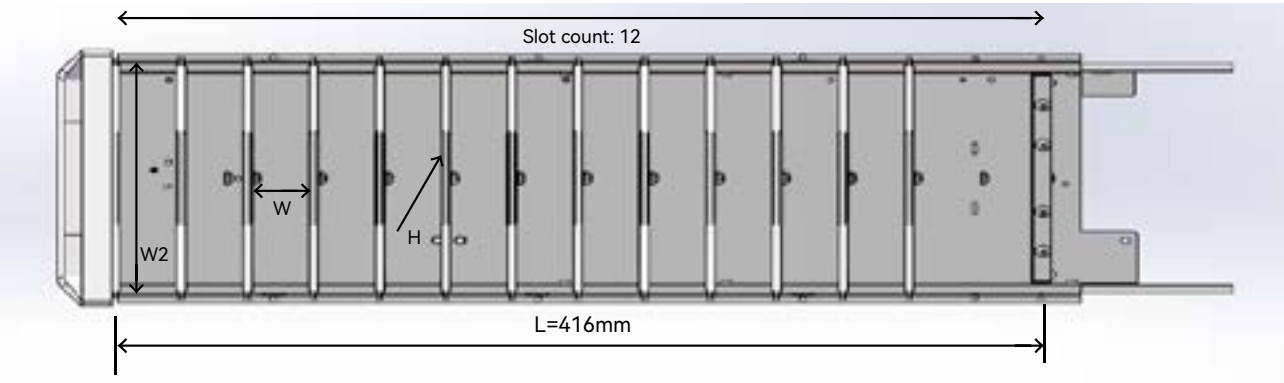
Compatible with: D-400 Main Cabinet

Hardware Configuration		System Functions	
Dimensions (L*W*H)	1310*670*1850 mm	Trade-in program	/
Weight (KG)	600KG	Production planning	/
Power supply	AC 220V/10A50HZ	Machine drawing association	/
Operating voltage	12V/24V	Tool life management	/
Storage channels	Customizable options	ERP interface provided	/
Channel spacing parameters:		Return & repair tracking	/
Spacing mm	30/65/100/135/205/420	Remote ad management	/
Divider count	12/6/4/3/2/1	Inventory alerts	/
Operating system	/	Material recycling	/
Data protection	/	Material replenishment	/
Recognition system	/	Electronic sample positioning	/
Data transmission	/	Cloud module	/
		Usage query	/
		Data analytics	/
		Usage statistics	/
		WeChat report push	/

/The function is not provided

D-400 Series Channel Specifications

Slot type				
Slot model	CT-120F-1#	CT-120F-2#	CT-120F-3#	CT-120F-4#
Slot dimensions	99*30*48mm	158*30*48mm	256*30*48mm	512*30*48mm
Main Cabinet	84pcs	63pcs	42pcs	21pcs
Expansion Cabinet	120pcs	90pcs	60pcs	30pcs



S/N	Model	W1	W2	H	L	Slot Count
1	CT-120F-1#	30	99	48	416	12
2	CT-120F-2#	30	158	48	416	12
3	CT-120F-3#	30	256	48	416	12
4	CT-120F-4#	30	512	48	416	12

D-730 Series Products

D-730A Main Cabinet



Hardware Configuration	
Dimensions (L*W*H)	656*1000*1870mm
Weight (KG)	350KG±20
Power supply	AC 220V/10A50HZ
Operating voltage	12V/24V
Storage channels	Customizable
Operating system	Android
Data protection	UPS
Recognition system	Card reader
Data transmission	WLAN

D-730F Expansion Cabinet



Hardware Configuration	
Dimensions (L*W*H)	656*1000*1870mm
Weight (KG)	350KG±20
Power supply	AC 220V/10A50HZ
Operating voltage	12V/24V
Storage channels	BT30 flange lock, 84 pcs
Operating system	Inherits main cabinet
Data protection	Inherits main cabinet
Recognition system	Inherits main cabinet
Data transmission	Inherits main cabinet

Vertical Lift



The Vertical Lift Storage system is a new generation of automated warehouse equipment, using pallets as storage units. The lifting and grabbing motion of the extractor swiftly brings the stored pallets to the operator or places them in the appropriate slot. Height sensors on both sides of the access ports detect the height of incoming materials, and the system automatically selects the best storage position for each pallet. It can accommodate materials of various heights. Users can utilize warehouse space effectively, flexibly, and efficiently. The system requires minimal ground area while fully leveraging the vertical height of the warehouse, offering easy, labor-saving, and fast access. Vertical Lift Storage supports multiple operational modes, including single-unit control and networked control. The management and monitoring system adopts a networked structure and can connect with ERP to enable digital material management.

Product Features

1. Space saving
Vertical lift storage can reach heights up to 18m, which fully utilizes vertical space and significantly reduces floor space requirements. Up to 85% of storage area can be saved.

2. Automated storage and retrieval
Materials are automatically delivered to the operator, to greatly reduce non-productive operating and searching time.



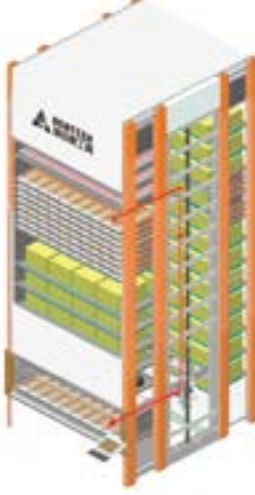
Traditional shelves, w/ large floor space



Vertical lift storage, height up to 18m

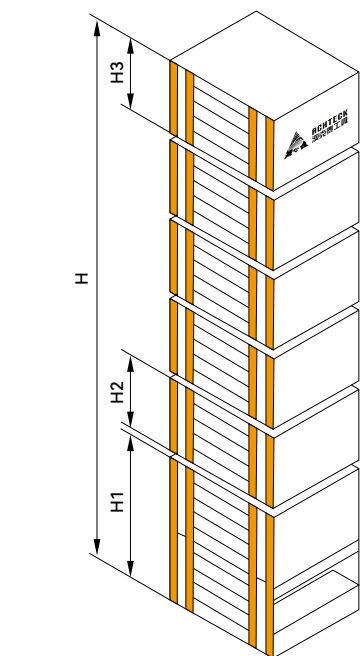


Traditional shelves, requiring access by climbing

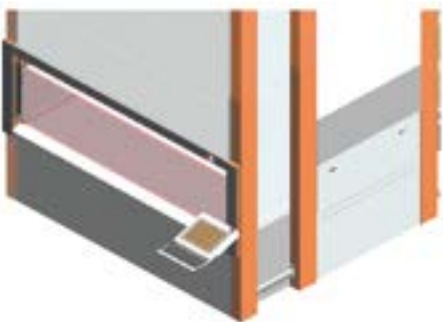


Auto delivery to access port

Vertical Lift
Product Features



3. Modular structure design
The elevation module can be easily increased or decreased to maximize the utilization of the factory space according to the changes in the building height.



5. Safety
The access port is equipped with a safety light curtain and a built-in automatic safety door located between the access port and the lifting channel. The automatic door remains closed during the operation of the extractor lifting mechanism;

6.Auto pallet weight detection
to prevent overloading



4. Tray adjusting distance
Unit height increment: 25mm
Tray width: 1,460-4,000mm
Tray depth: 618/810/1000/1190
Max. storage material height: 680mm
Net tray load: 100-1000kg



7.Integration with enterprise ERP software
for enhanced inventory management
Lightweight storage system applications: Suitable for electronic components, pharmaceuticals, small tools, etc.
Heavyweight storage system applications: Suitable for tool storage, medium-to-heavy components, accessories, molds, etc.

Vertical Lift

Parameters of Vertical Lift Storage System							
Spec./Model	Pallet Clearance Dimensions (mm)			External Dimensions of Storage Unit (mm)			Pallet Rated Load (kg)
	Length (L)	Depth (D)	Height (H)	Length (L)	Depth (D)	Height (H)	
J □ - □ × □ - □ (J Pallet Rated Load - Pallet Net Length × Pallet Net Depth - Storage Unit Height)	2460	618	50	2790	2470	6000	300
		810			3040		
		1000			3612		
		1190			4184		
Optional Range	1460-4000		50/70/100/120	1790-4330		3500-18000	100-1000

Selection Examples of Common Specifications

J2-1860×618-8000	1860	618	50	2190	2470	8000	200
J3-2460×810-8000	2460	810	50	2790	3040	8000	300
J5-2060×810-8000	2060	810	50	2390	3040	8000	500
J5-2860×618-8000	2860	618	50	3190	2470	8000	500

1.The height of a standalone storage unit is not recommended to exceed 10,000mm.
2.The maximum load capacity of complete system is 60t.

Pallet Configuration Table						
Parts Box / Tool Holder	Tray Specification / Tray Capacity					
	2060×618	2460×618	2860×618	2060×810	2460×810	2860×810
Parts box 134W×380D×90H				30pcs	36pcs	42pcs
Parts box 200W×380D×90H				20pcs	24pcs	28pcs
Parts box 117W×300D×90H	34pcs	42pcs	48pcs			
Parts box 234W×300D×90H	16pcs	20pcs	24pcs			
Parts box 117W×400D×90H				34pcs	42pcs	48pcs
Parts box 234W×400D×90H				16pcs	20pcs	24pcs
HHKS63 tool holder	75pcs	90pcs				
HKS100 tool holder	45pcs	54pcs				
BT40 tool holder	75pcs	90pcs				
BT50 tool holder	60pcs	72pcs				

Note: The above are common configurations.

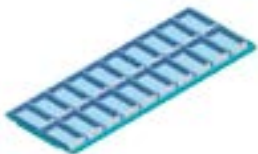
T1 Standard Pallet is used for storing large items such as packaging boxes, tooling molds, parts, etc.



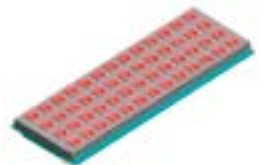
T3 Tote Box Pallet is equipped with tote boxes for storing parts, spare parts, gauges, tools, etc.



T2 Parts Box Pallet is equipped with parts boxes and dividers for storing standard parts, aerospace components, electronic components, inserts, cutting tools, etc.



T4 Shank Pallet is equipped with Shank racks and boxes for vertical storage of BT30/ BT40 /BT50/HSK63/HSK100/ Morse tool holders, etc.



Vertical Rotator
A3C3 Series, A3C4 Series
A6C4 Series, A6C5 Series



- Optimized space utilization:
- 1.Shortens access time.
 - 2.The storage height of items is ergonomically designed.
 - 3.Flexible and customizable with multiple access points on different levels as needed.
 - 4.Optional configurations include temperature and humidity control, and anti-static features.

Parameters of A3C3 Series Vertical Rotator Storage								
Model	Number of Bins	Bin Clearance Dimensions (mm)			Storage Unit Dimensions (mm)			Rated Load Capacity of Bin (kg)
		Length (L)	Depth (D)	Height (H)	Length (L)	Depth (D)/ Including Workbench	Height (H)	
A3C3-12	12	2460	367	275	3120	1350/1620	2537	100-200
A3C3-14	14	2460	367	275	3120	1350/1620	2842	100-200
A3C3-16	16	2460	367	275	3120	1350/1620	3147	100-200
A3C3-18	18	2460	367	275	3120	1350/1620	3452	100-200
A3C3-20	20	2460	367	275	3120	1350/1620	3756	100-200
A3C3-22	22	2460	367	275	3120	1350/1620	4061	100-200
A3C3-24	24	2460	367	275	3120	1350/1620	4366	100-200
A3C3-26	26	2460	367	275	3120	1350/1620	4671	100-200
A3C3-28	28	2460	367	275	3120	1350/1620	4976	100-200
A3C3-30	30	2460	367	275	3120	1350/1620	5280	100-200
A3CB-32	32	2460	3.67	275	3120	1350/1620	5585	100 200
A3C3-34	34	2460	367	275	3120	1350/1620	5890	100 200
A3C3-36	36	2460	367	275	3120	1350/1620	6195	100 200
A3C3 38	38	2460	367	275	3120	1350/1620	6500	100-200
A3C3-40	40	2460	367	275	3120	1350/1620	6804	100-200
Optional range		1460-2860			2120-3520			
Selection example	A3C3-20-2060(200kg)--Select this series of Rotator storage system with 20 box hoppers, each with a net length of 2060mm. The maximum load per box hopper is ≤ 200kg.							

Parameters of A3C4 Series Vertical Rotator Storage								
Model	Number of Bins	Bin Clearance Dimensions (mm)			Storage Unit Dimensions (mm)			Rated Load Capacity of Bin (kg)
		Length (L)	Depth (D)	Height (H)	Length (L)	Depth (D)/Including Workbench	Height (H)	
A3C4-8	8	2460	505	365	3200	1710/1980	2445	100-200
A3C4-10	10	2460	505	365	3200	1710/1980	2864	100 200
A3C4-12	12	2460	505	365	3200	1710/1980	3283	100 200
A3C4-14	14	2460	505	365	3200	1710/1980	3702	100 200
A3C4-16	16	2460	505	365	3200	1710/1980	4121	100 200
A3C4-18	18	2460	505	365	3200	1710/1980	4540	100-200
A3C4-20	20	2460	505	365	3200	1710/1980	4959	100 -200
A3C4-22	22	24G0	505	365	3200	1710/1980	5379	100-200
A3C4-24	24	2460	505	365	3200	1710/1980	5798	100-200
A3C4-26	26	2460	505	365	3200	1710/1980	6217	100-200
A3C4-28	28	2460	505	365	3200	1710/1980	6636	100-200
A3C4-30	30	2460	505	365	3200	1710/1980	7055	100 -200
A3C4-32	32	2460	505	365	3200	1710/1980	7474	100-200
A3C4-34	34	2460	505	365	3200	1710/1980	7893	100-200
A3C4-36	36	2460	505	365	3200	1710/1980	8312	100-200
Optional range		1460-2860			2200-3600			
Selection example	A3C4-20-2260(100kg)-- Select this series of Rotator storage system with 20 box hoppers, each with a net length of 2,260mm. The maximum load per box hopper is ≤ 100kg.							

Parameters of A6C4 Series Vertical Rotator Storage								
Model	Number of Bins	Bin Clearance Dimensions (mm)			Storage Unit Dimensions (mm)			Rated Load Capacity of Bin (kg)
		Length (L)	Depth (D)	Height (H)	Length (L)	Depth (D)/Including Workbench	Height (H)	
A6C4-8	8	2460	505	365	3200	1710/1980	2503	300-500
A6C4-10	10	2460	505	365	3200	1710/1980	2909	300-500
A6C4-12	12	2460	505	365	3200	1710/1980	3315	300-500
A6C4-14	14	2460	505	365	3200	1710/1980	3722	300-500
A6C4-16	16	2460	505	365	3200	1710/1980	4128	300-500
A6C4-18	18	2460	505	365	3200	1710/1980	4535	300-500
A6C4-20	20	2460	505	365	3200	1710/1980	4941	300-500
A6C4-22	22	2460	505	365	3200	1710/1980	5347	300-500
A6C4-24	24	2460	505	365	3200	1710/1980	5754	300-500
A6C4-26	26	2460	505	365	3200	1710/1980	6160	300-500
A6C4-28	28	2460	505	365	3200	1710/1980	6567	300-500
A6C4-30	30	2460	505	365	3200	1710/1980	6973	300-500
A6C4-32	32	2460	505	365	3200	1710/1980	7379	300-500
A6C4-34	34	2460	505	365	3200	1710/1980	7786	300-500
Optional range		1460-2860			2200-3600			
Selection example	A6C4-30-2460(500kg)--Select this series of Rotator storage system with 30 box hoppers, each with a net length of 2460mm. The maximum load per box hopper is ≤ 500kg.							

Parameters of A6C5 Series Vertical Rotator Storage								
Model	Number of Bins	Bin Clearance Dimensions (mm)			Storage Unit Dimensions (mm)			Rated Load Capacity of Bin (kg)
		Length (L)	Depth (D)	Height (H)	Length (L)	Depth (D)/Including Workbench	Height (H)	
A6C5 -8	8	2460	505	450	3420	1890/2160	2965	300-500
A6C5 -10	10	2460	505	450	3420	1890/2160	3473	300-500
A6C5 -12	12	2460	505	450	3420	1890/2160	3981	300-500
A6C5 -14	14	2460	505	450	3420	1890/2160	4489	300-500
A6C5 -16	16	2460	505	450	3420	1890/2160	4997	300-500
A6C5 -18	18	2460	505	450	3420	1890/2160	5505	300-500
A6C5 -20	20	2460	505	450	3420	1890/2160	6013	300-500
A6C5 -22	22	2460	505	450	3420	1890/2160	6521	300-500
A6C5 -24	24	2460	505	450	3420	1890/2160	7029	300-500
A6C5 -26	26	2460	505	450	3420	1890/2160	7537	300-500
A6C5 -28	28	2460	505	450	3420	1890/2160	8045	300-500
A6C5 -30	30	2460	505	450	3420	1890/2160	8553	300-500
Optional range		1460-2860			2420-3820			
Selection example	A6C5 -16-1860(400kg) -- Select this series of Rotator storage system with 16 Hoppers, each with a net length of 1,860mm. The maximum load per Hopper is ≤ 400kg.							

Hopper Configuration					
Parts Box / Shank	Hopper Capacity				
	B3 2060×367×275	C3 2460×367×275	B4 2060×505×365	C4 2460×505×365	D4 2630×505×365
Parts box 134W×380D×90H	30pcs	36pcs			
Parts box 200W×380D×90H	20pcs	24pcs			
Parts box 117W×500D×90H			51pcs	60pcs	66pcs
Parts box 234W×500D×90H			24pcs	30pcs	33pcs
Parts box 234W×500D×140H			16pcs	20pcs	22pcs
HKS63 shank			45pcs	75pcs	80pcs
HKS100 shank			39pcs	45pcs	48pcs
BT40 shank			45pcs	75pcs	80pcs
BT50 shank			52pcs	60pcs	64pcs

Note: The above are common configurations.



X1 Standard Hopper can be divided into layers, allowing flexible storage of materials of different sizes.



X3 Layered Hopper is equipped with shelves to divide the hopper into 2-3 layers, suitable for storing low-height or elongated materials.



X5 Tool Holder Hopper is equipped with tool holder carts for vertical storage of BT30/BT40/BT50/HSK63/HSK100/Morse tool holders, etc.



X2 Vertical Partition Hopper is equipped with vertical dividers to partition the bin along its length.



X4 Parts Box Hopper is equipped with parts boxes for storing standard parts, inserts, cutting tools, electronic components, etc.