



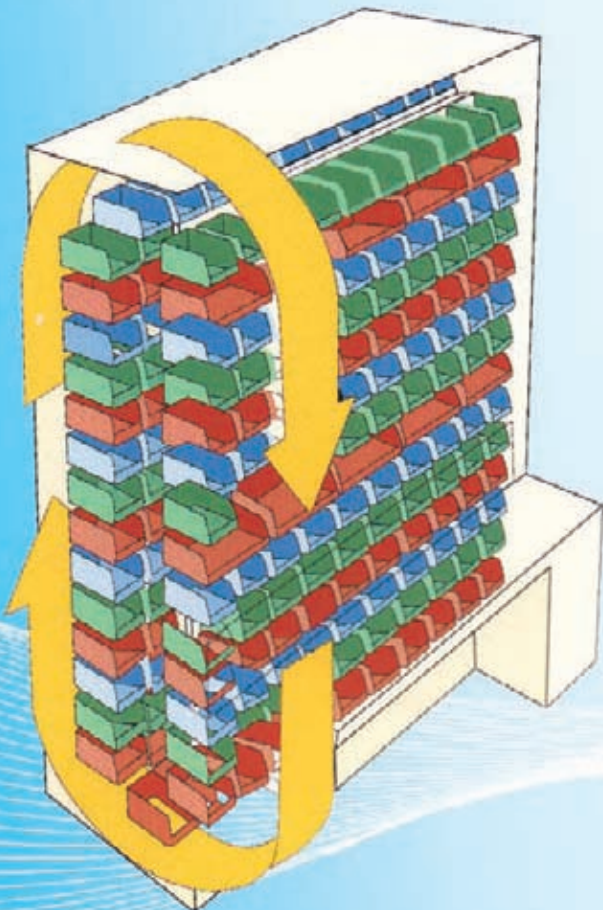
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Vertical Carousel Storage System

Automated Vertical Carousel

This is an advanced storage and retrieval system wherein the required material is retrieved by just pressing a button on the key board.

Operates on Paternoster elevator principle



The concept

In its simplest form, a number of shelves or material storing trays are mounted on vertical chain loops and provided with a PLC controller. The desired rack can be retrieved by entering the shelf number. While retrieving, it takes the shortest possible route. The entire system is encased in a sheet metal cladding.

Where to use ?

Ideal system for small parts storage where the number of items to be stored is very high.

Benefits

Quick retrieval

Saves cost, time, energy three times than any conventional system

Space saving

The floor space is saved by 40% and the available height is used to its maximum

Manpower saving

Precious manpower is saved due to highest automation

Low noise

Electronically controlled and operated by geared chains, so less noise

Easy to operate

Material retrieval at the touch of a button. Can be operated manually in case of power failure

Operator safety

Maximum operator-friendly system. Electronic sensors stop the system in the possibility of malfunctioning

Custom-built system

Designed and manufactured taking into account various requirements of different customers

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Vertical Carousel Storage System

Constructional features

- Vertical carousel in which a number of carriers are closely mounted on the twin endless chain moved by a geared brake motor
- Operates on Paternoster elevator principle
- The mechanised shelves rotate in the vertical plain in either direction
- The material reaches the operation zone by the nearest path
- Torsion-free, self-supporting, powder-coated construction
- Work table at 1 meter from the ground
- Provided with PLC controllers

Sophisticated controller

- Provided with an advanced, microprocessor controller with numeric display
- Desired tray, bin or component can be retrieved by its part number
- In case of power failure, present position of the carrier is memorised by PLC
- Can be interfaced with a PC or control computer system through RS 232 C serial port

Safety features

- Safety bars are provided at the top and bottom side of the operating window. In case of accidental pressing of these bars, the system will automatically stop
- The system can be operated manually in case of power failure

Typical applications

Ideal for storing

- Tools
- Hardware
- Components

- Office files
- Documents
- Machined components
- Electronic parts
- CDs and cassettes
- Medicines
- Small, costly finished goods etc.



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STOMAT [VERTICAL CAROUSEL]



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STOMAT [VERTICAL CAROUSEL]

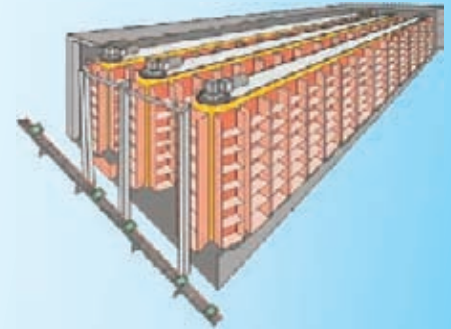
Model	Number of Shelves	Machine Height (mm)	Shelf Height (mm)	Loading capacity per shelf (Kg)	Total load Capacity (Kg)
SM - 650					
65-135-24	24	2235	135	65	1560
65-135-36	36	3150	135	65	2340
65-135-49	49	4140	135	65	3185
65-135-57	57	4750	135	65	3705
SM - 1400					
140-185-24	24	3028	185	140	3360
100-185-34	34	4044	185	100	3400
100-185-44	44	5060	185	100	4400
140-260-18	18	3163	260	140	2520
140-260-24	24	4002	260	140	3360
100-260-32	32	5110	260	100	3200
140-325-12	12	2850	325	140	1680
140-325-18	18	3916	325	140	2520
140-325-24	24	4971	325	140	3360
SM - 2400					
240-220-23	23	3950	220	240	5520
220-220-27	27	4475	220	220	5940
170-220-32	32	5140	220	170	5440
150-220-36	36	5680	220	150	5400
250-258-20	20	3940	258	250	5000
240-258-24	24	4530	258	240	5760
200-258-28	28	5150	258	200	5600
170-258-32	32	5750	258	170	5440
250-373-17	17	4550	373	250	4250
250-373-20	20	5140	373	250	5000
240-373-23	23	5800	373	240	5520

Technical Data

PARTICULARS	SM - 650 MODEL	SM - 1400 MODEL	SM - 2400 MODEL
FLOOR AREA			
Length	2500 mm	2700 mm	2750 mm
Depth	900 mm	1400 mm	1800 mm
WORK TABLE			
Depth	300 mm	300 mm	300 mm
Height	1000 mm	1000 mm	1000 mm
(from ground)			
USEFUL SHELF DIMENSIONS			
Length	1970 mm	2160 mm	2160 mm
Depth	230 mm	420 mm	520 mm
Necessary Room Height		Machine height plus 100mm	

Horizontal Carousel

Triple, horizontal carousel for storage of electronic components.



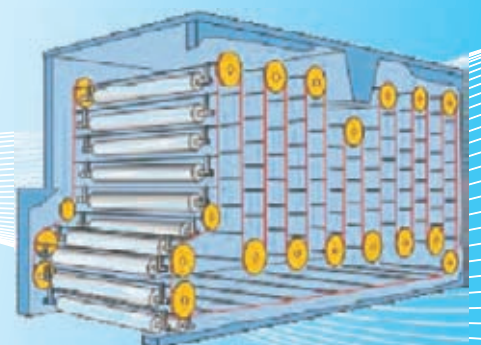
Multi-loop Horizontal Carousel

for different sizes of metal profiles.



Multi-loop Vertical Carousel

for storage of print cylinders.



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Document Vertical Carousel Storage System

Vertical Carousels Automated filing system bring all files or records to a standing or sitting workstation and takes advantage of vertical ceiling height. With the vertical carousel filing and storage system, you have the power to call up the exact record from thousands. Within seconds, it's there, right on your fingertips.

Why have thousands of decision makers chosen Vertical Carousels for their storage and retrieval applications?

Because -

- They save valuable floor space and revolves to bring the media to the user, eliminating or reducing non-essential operator movement:

saving time, increasing productivity, reducing misfiles and errors. Using the vertical carousel concept in your office virtually eliminates needless work motions such as walking, stooping, bending, reaching, and searching. No more wasting of valuable employee time and no danger or injuries. The flexible vertical carousel can also be used store almost any type of media, such as letter or legal top and side tab folders, CD-ROM, microfiche, optical disks, checks, cards and more. This flexibility eliminates the need for costly file conversions.

- Automated Vertical Carousels pack the cube from floor to ceiling to provide more density of media in a smaller footprint, they reduce operator travel between storage units and save space!

All these factors add up to:

- Faster Retrieval
- Increased Productivity
- Less Fatigue
- Reduced Errors
- Less Employee Turnover
- Opportunities for the Physically Impaired
- With Computer Control



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Plain shelving type box filing system

Technical data



	Unit Width 2700/3050		Unit Depth 1330			
Cat.	No. of Carriers	Average Access Time Seconds	Machine Height mm	Minimum Room Height mm	Filing Capacity	
					Unit Width 2700 mm	Unit Width 3050 mm
For self filing folders max. Folder size 350 mm long x 290 mm high						
815	8	5	2210	2300	240	272
915	9	6	2400	2450	270	306
1015	10	7	2560	2600	300	340
1115	11	9	2780	2850	330	374
1215	12	11	2970	3050	360	408
1315	13	13	3160	3220	390	442
1415	14	15	3350	3410	420	476
1515	15	17	3540	3600	450	510
1615	16	19	3730	3800	480	544
1715	17	21	3920	3970	510	578
1815	18	23	4120	4200	540	612

Lateral or plain shelving type flat filing system

Technical data



	Unit Width 2640/2998		Unit Depth 1250			
Cat. No.	No. of Carriers	Average Access Time Seconds	Machine Height mm	Minimum Room Height mm	Filing Capacity	
					Unit Width 2640 mm	Unit Width 2998 mm
For self filing folders max. Folder size 385 mm long x 251 mm high						
1211	12	5	2260	2300	2640	3072
1311	13	6	2400	2450	2860	3320
1411	14	7	2540	2600	3080	3584
1511	15	8	2680	2850	3300	3840
1611	16	9	2820	3050	3520	4096
1711	17	10	2960	3220	3740	4352
1811	18	11	3100	3410	3960	4608
1911	19	12	3240	3600	4180	4864
2011	20	13	3380	3800	4400	5120
2111	21	14	3520	3970	4620	5376
2211	22	15	3660	4200	4840	5632

Accessories - Partition Plate - Rs. 100/- per number

Standard specifications

- Depth of posting board : 300 mm
- Height from floor to posting board : 850 mm
- Electrics : Standard 220 / 250V 110 / 127V 50 / 60 Hz AC supply.
Alternative voltages available.

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