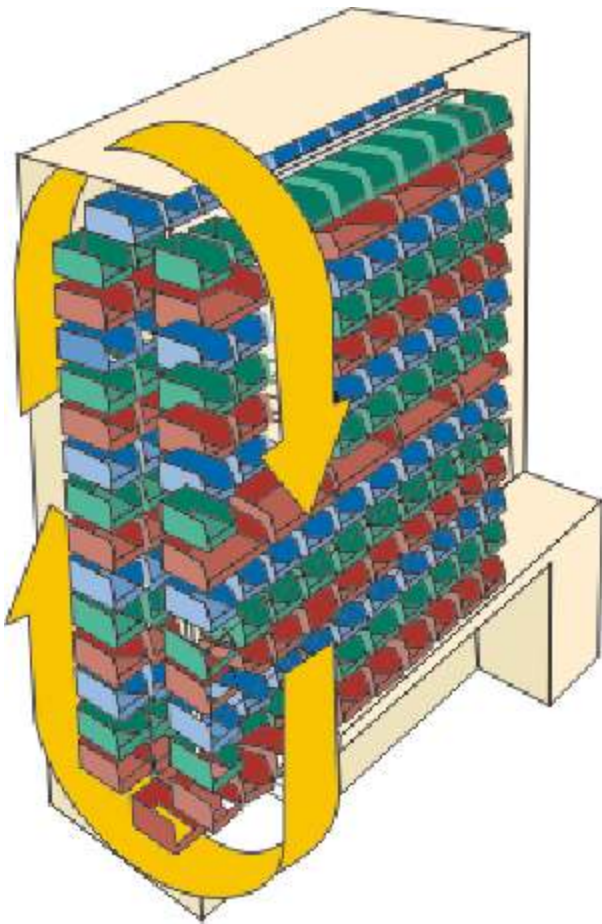




Stomat

Vertical Carousel Storage System



Operates on Paternoster elevator principle

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.

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.



Stomat

Vertical Carousel Storage System

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 low 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

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

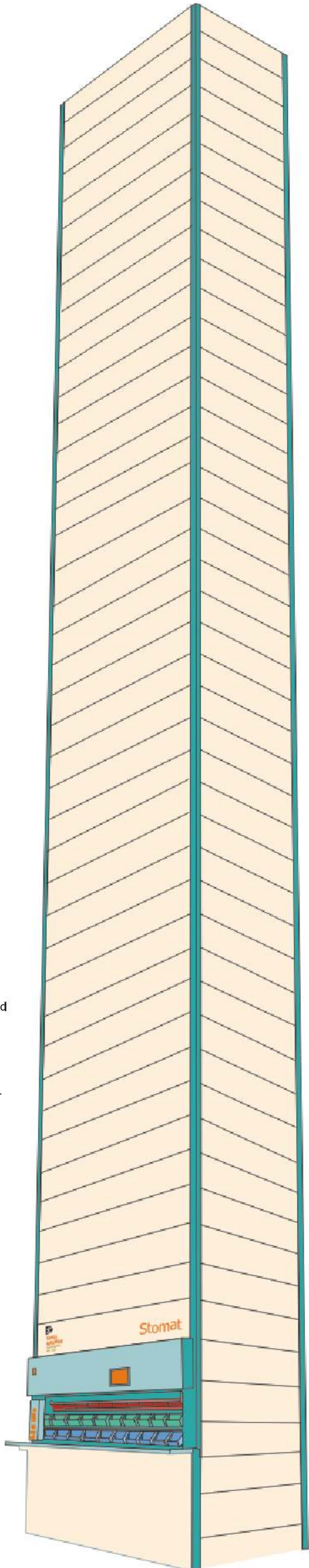
Safety features

- 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

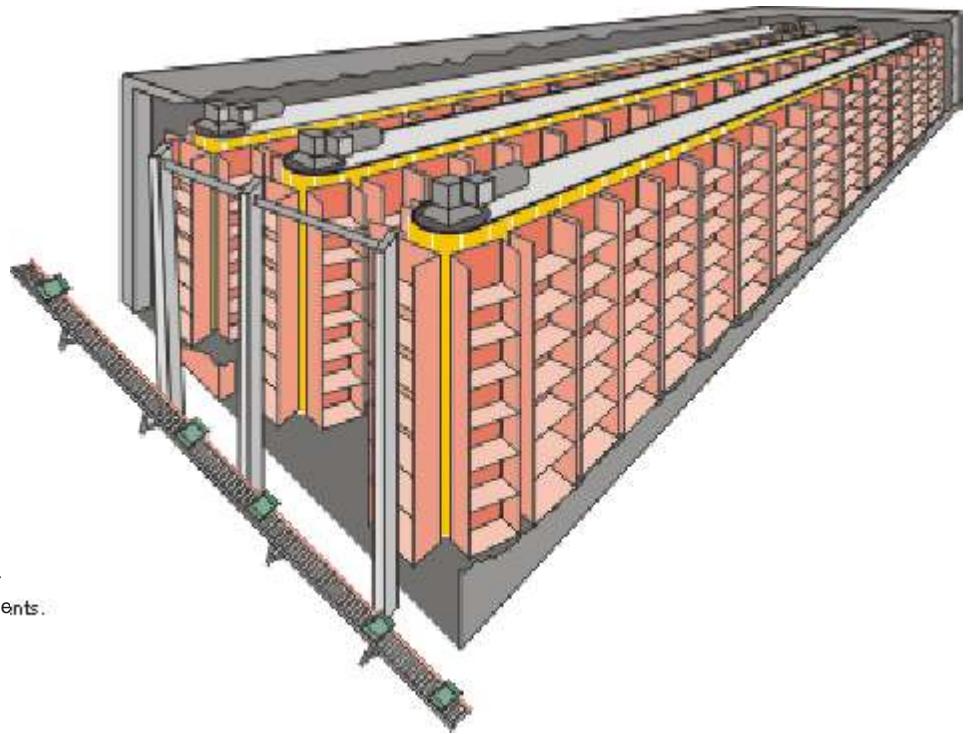
- Tools
- Hardware
- Components
- Office files
- Documents
- Machined components
- Electronic parts
- CDs and cassettes
- Medicines
- Small, costly finished goods etc.





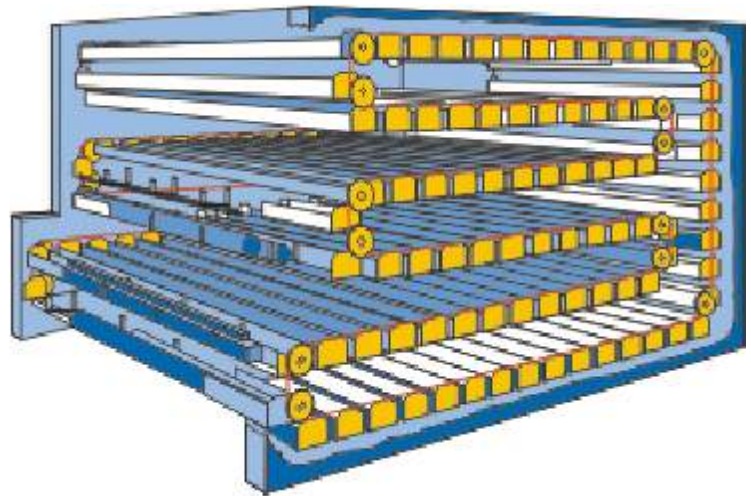
Stomat

Vertical Carousel
Storage System



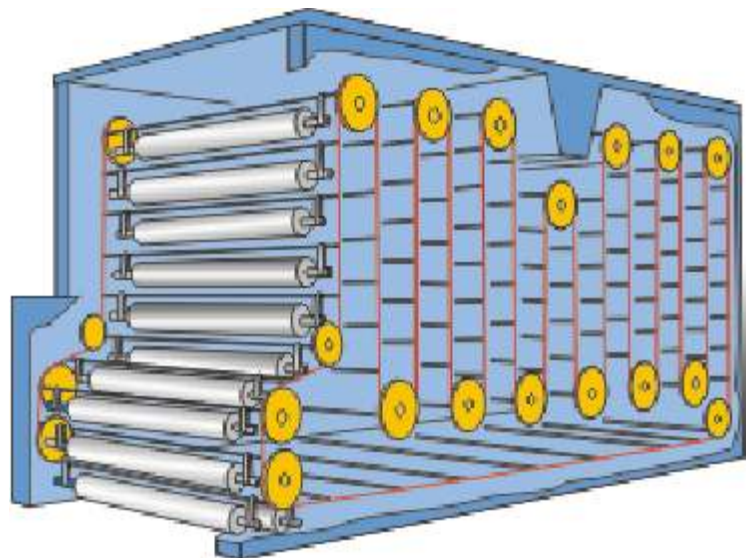
Horizontal Carousel

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.