



Leader of automated Filing and Storage solutions.
TEMREX is committed to providing top quality advice, counselling and after sales service.

Filing

Products and solution for **Efficiency and Space Saving** in the Office:
 Double-faced Rotaty filing units, Vertical filing carousels,
 Document management software...

Storage

Wide range of storage products including:
 Verticals carousels for storage (Girostock), Lift solutions (The Tower), Mini Load Crane Solutions (The Silo), Software for stores management (G-Stock).

Software

TEMREX develops a large variety of software for the management of stores, warehouses as well as document filing systems.

Easy to use and compatible with all storage and filing system they help to meet your highest expectations in terms of **traceability, quality and efficiency.**



Your solution finder for automated storage



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Computer - Assisted Storage Management :

The **SILO** is equipped with an electronic keyboard containing all main functions :

- Configuration,
- Tray movements,
- Technical support.

Using the machine protocol and interface software, the **SILO** can also be managed by various software packages.

G-STOCK for Stores management is offered by Electroclass software team:



- Stock and locations, Items, Item descriptions, containers types, packaging units, weights, valuation of inventory and of transactions, flow management and optimisation, turnover analysis, management of dynamic storage machines by most manufacturers and mangement of static shelving or pallet racking.
- Options for batch number management, expiry dates, serial numbers.
- Can be configured for Radio (WIFI) terminal data input.
- Audit trail for all movements, statistics and queries available.
- Password protected user authorisation level management.

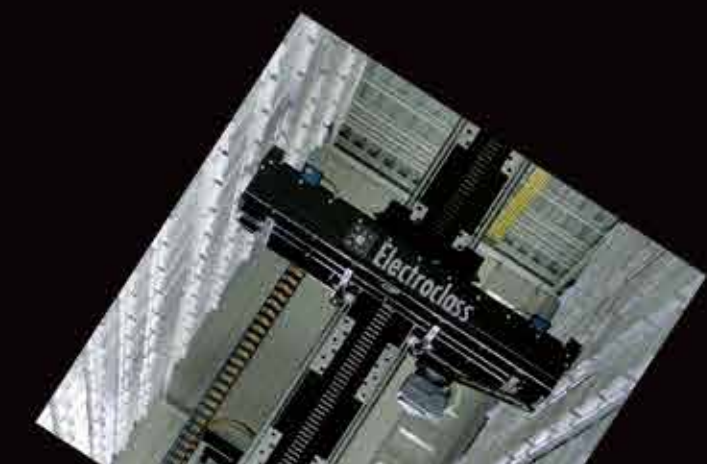


Storage
ACUMEN
 in the Warehouse



MiniLoad
 SILO
 SILO
 MiniLoad
 SILO

MiniLoad
SILO



Storage **ACUMEN** in your Warehouse

SILO Mini-Tra

SILO

MiniLoad SILO are used:

To store or manage

- Tools
- Maintenance Tools
- Spare parts
- Components
- Kits

Production
Maintenance
Warehouse

To archive and manage

- Folders
- Books
- Account documents

Libraries
Archives

Storage capacity

Picking optimization

Multi-station facilities

Logistics performance



Miniload SILO, the fully automated warehouse that provides:



- The maximum storage capacity for a minimal footprint
- Quick access
- Location management
- Logistic performance
- Security of the products

optimal storage and traceability of your items

The SILO has two front consulting bays and can be equipped with additional consulting bays (on the back of the sides). It can also be equipped with automated accumulation stations. Several configurations exist:

- Left and right workstations
- Side workstations with conveyors
- Accumulation stations (3 trays)
- Side workstations with accumulation
- Central workstations on the left/right, back and on the sides
- Trays automatically placed on the conveyor

Compact storage with full use of the available height
Save floor space therefore reducing operating costs

Up to 5m³ can be stored on each m²

Automated inputs/outputs

Several thousand references are available at every workstation

Reduces walking distance, and saves time, eliminates the errors, User and item security, ergonomics,

Modularity and storage volume

Easy to expand by adding spans

Tailored solution depending upon the storage needs

Fine tuned racking

Volumes and packaging formats can be perfectly accommodated

Multiple workstations

2 front workstations + back or lateral workstations

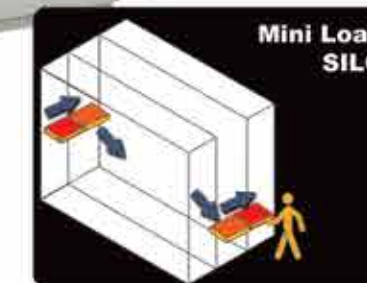
4 operators can work simultaneously

The Range: 150 or 315 Kgs per tray

Height	Length	Tray width	Tray depth	Tray height
Standard up to 9 meters	Standard up to 40 meters	From 960 up to 1800 millimeters	From 405 up to 550 millimeters	From 90 up to 450 millimeters



SILO
Mini Load



Specificities

Laser System

The specialty system "laser pointer" Directly on the consultation station, the laser beam focused where the object should be taken.

"No mistake" System

The only good reference is accessible by the operator. All of the other references remains hidden.

Ventilation & Temperature

The Mini-stacker SILO are frequently equipped with ventilation systems (V.M.C.), maintaining constant temperature and humidity, central cold storage and the good conservation of sensitive products: electronic components, parts with high added value.

The supply chain integration

The SILO can be equipped with special arrangements allowing the extraction of references by robot.

Double floor access

It is common to classify in the basement and go to the first level. The SILO is the ideal system to serve several floors.

Equipements Standard

- Détection occupation alvéole
- Détection gabarit hauteur tiroir
- Contrôles de position

Options

- Contrôle de charge
- Protection incendie
- Climatisation / Hygrométrie
- Sortie à accumulateurs
- Sortie sur convoyeur

Our references:

EDF LILLE - MONNAIE DE PARIS -
DIRECTION DES MONNAIES ET
MEDAILLES - TDF PARIS- ICL -
SEMT - ETAMAT - BAYER PHARMA
- ROBERTET - SCHNEIDER -
AEROSPATIALE - TURBOMECA -
VATICAN'S LIBRARY - HOME OF
SCIENCE & INDUSTRY - CLINIQUE
DE LA DIGONIERE

Operating principle

The SILO is the combination of two parallel racking structures and a travelling crane running down a central corridor.

- The trays are removed (or stored) by the crane's platform, controlled from workstations
- The robot provides the requested tray at the appropriate workstations
- The movement instructions can be manually using the integrated touch screen or automatically by a computer equipped with Electroclass's software G-Stock
- The SILO manages the locations depending on the volume to be stored

The 4 steps of a cycle

- The operator specifies a part number or reference directly on a PC or vi bar-code reader
- The crane docks in front of the tray containing or (receieve) the relevant part
- The tray is removed and taken to the workstation
- The user confirms on the PC the loading / picking

