



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.**

Computer - Assisted Storage Management :

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

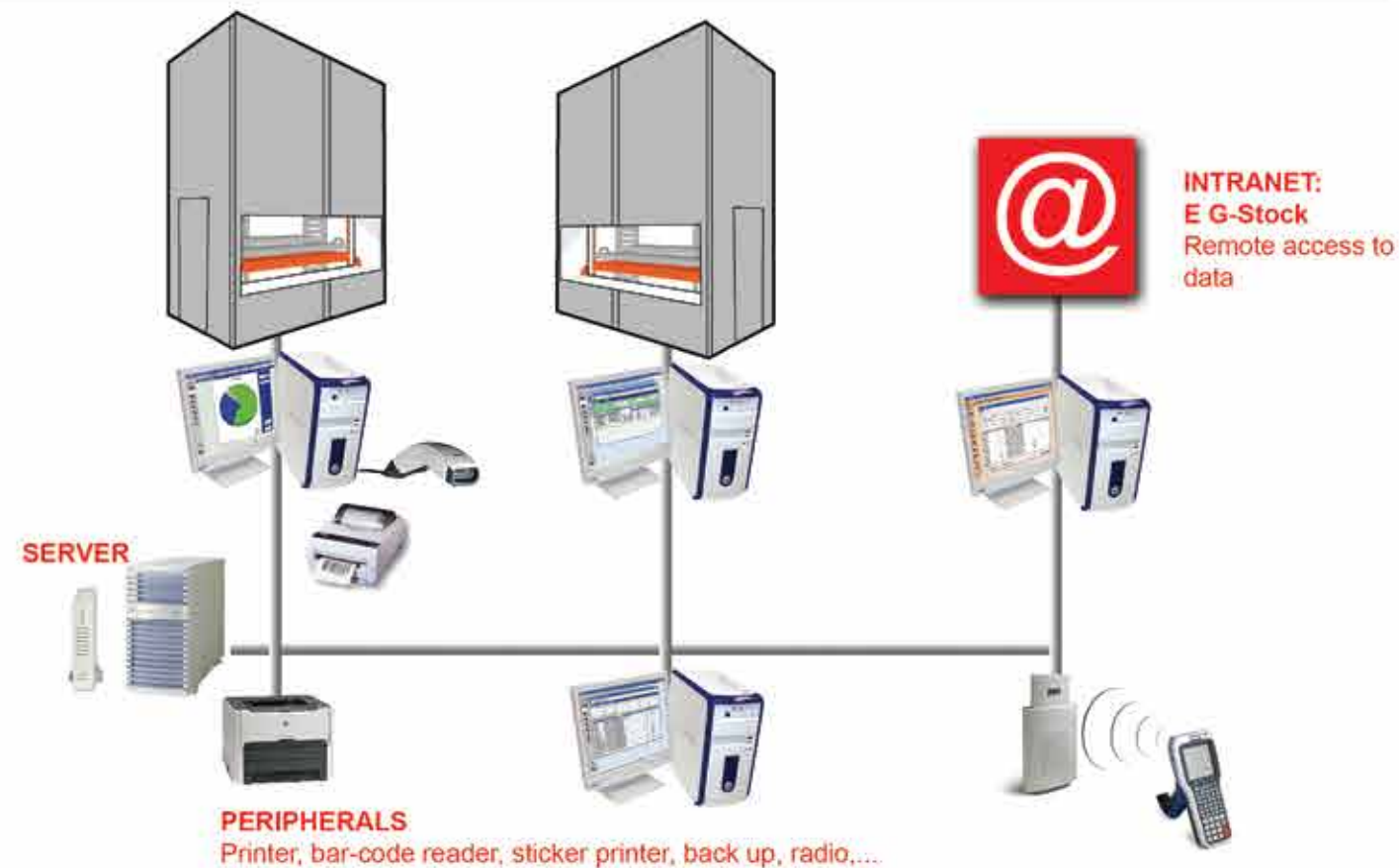
- Configuration,
- Tray movements,
- Technical support.

Using the machine protocol and interface software, the **TOWER** 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.



Your solution finder for automated storage



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Storage ACUMEN in the Warehouse



Storage Lift
 TOWER
 Storage Lift
 TOWER

Storage Lift The TOWER



Storage ACUMEN in your Warehouse



Performance, durability, reliability and cycle time: keywords driving our technical choices :

- The **TOWER** uses tried and tested, robust, rack and pinion technology for elevation,
- Owing to the strength of its design, it has the capacity to accommodate items up to 4.3M wide with an individual tray payload up to 500 Kg.

The **TOWER** technology improves reliability and maintainability: no risk of chain stretch, no necessity for regular adjustment required by other technologies. Strong and simple HDPE runners also contribute to robustness.

- Robust**
- Reliable**
- Adaptable**
- Compact**

Exploits high volumes



The **TOWER Storage Lift** is the ideal automated storage solution for heavy or awkward shaped products. The **TOWER** is based on 2 columns of heavy duty pallet racking and internal elevator. The elevator travels vertically between the two storage volumes.

The **TOWER** can be controlled simply from onboard keypad or via a range of in house integrated stock management software solutions.

Modular and Compact:

The **TOWER's** structure is based on standard heavy duty racking, and hence is highly configurable. The **TOWER** offers an excellent ratio of Storage volume to Total volume making the best use of available space.

Power and Speed:

Elevation by rack and pinion combined with double motors lead to short cycle times, even in the case of heavy payloads.

Appearance: Functional yet Stylish

With profiles made of aluminium, a choice of RAL colours for paneling and stainless steel for workstation, the **TOWER** will become an attractive part of your working environment.

Rack and pinion elevation means:

Seldom need for adjustment,

No risk of lengthening or breaks as with chain,

Proper positioning of the carriage immediately without corrections,

Mechanical stability even in the case of sudden (emergency) stops at high speeds.

Double Motors:

The **TOWER** is equipped with a double motorisation to efficiently extract and elevate the trays (1.)

In this way you benefit from reduced cycle times even with heavy loads or large trays. (width up to 4.3 m).

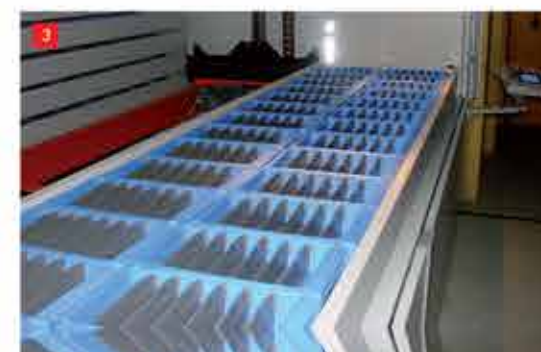
- **For elevation:** Two motors directly driving the gears offer substantial power, adapted to your speed requirement.
- **For extraction:** Two 0.37 KW motors ensure smooth performance without excessive effort or wear & tear.



Product Features	JUMPER 300	JUMPER 500
Structure Loading	60 t	60 t
Tray Payload	300 kg	500 kg
Height of Tower	3 to 11 m	3 to 11 m
Standard Tray Width Capacities	2020, 2830, 3620, 4300 mm	2020, 2830, 3620, 4300 mm
Outside Width of Tower	Tray + 461 mm	Tray + 461 mm
Standard Tray Depth Capacities	635 / 825 mm	635 / 825 mm
Outside Depth	3 x Tray Depth + 428 mm	3 x Tray Depth + 428 mm
Link to Computer	yes	yes
FireProofing, Humidity Control	upon request	upon request
Weight Monitoring	upon request	upon request
Manual and Automated Extraction	upon request	upon request
Electrical Doors	upon request	upon request
Computer Arm and Support	upon request	upon request
Double Access	upon request	upon request



2. Two Storage Tower TOWER 500 FLAMMARION WAREHOUSE (Height : 11 meters)
3. et 5. Metallic dividers
4. Divisible Plastic Box
6. TOWER 300 Tray at the Pitié Salpêtrière HOSPITAL CENTER
7. TOWER with double access at the BONBONWEB WAREHOUSE



Controls

Standardisation - Plug & play - User-friendliness

The **TOWER** uses standard components from leading suppliers for PLC controls, encoders and sensors.

Simple, reliable and made for easy maintenance.

Connections are straightforward, striving for "Plug&Play" simplicity: hence faster installation, easy servicing, and user autonomy.

Tower control software has been developed by Electroclass' automation team.

Highly rigid Trays: Reliability Compactness

TOWER trays have been designed to allow disassembly leading to flexibility and space savings.

Parameters of trays are calculated to maximize the rigidity.

Safety systems: Mechanical, Electronic, Design

Mechanical safety on the table

Any overload on the stainless steel table of the Tower trips an overriding security of the machine (requires an electrical reset).

Electronic safety device

The tower is also fitted with a set of auto-controlled light barrier cells.

This barrier is only active during the extraction of a tray onto the working bay. Interruption outside of this phase does not stop the Tower.