MAXI^{T} THE AUTOMATED TOWER STORAGE SYSTEM FOR PANELS, SHEET METAL AND BULKY MATERIALS

MAXI^{T} is ICAM's automated tower storage system engineered to maximize vertical space, drastically reducing floor footprint and turning storage into an active component of the production flow.

MAXI T

MORE SPACE FOR PRODUCTION, **MINIMAL SPACE** FOR STORAGE

MAXI^{T} is ICAM's automated tower storage system engineered for the safe, organized and efficient storage of panels, sheet metal and bulky materials.

It is an **intelligent tower storage solution** that enables manufacturers to reclaim valuable production space, while streamlining material flows and reducing unnecessary handling operations.

MAIN APPLICATIONS

- Sheet metal processing and metal fabrication
- Furniture, lighting and HVAC industries
- Automotive, shipbuilding and construction sectors
- Industrial woodworking
- Industrial logistics

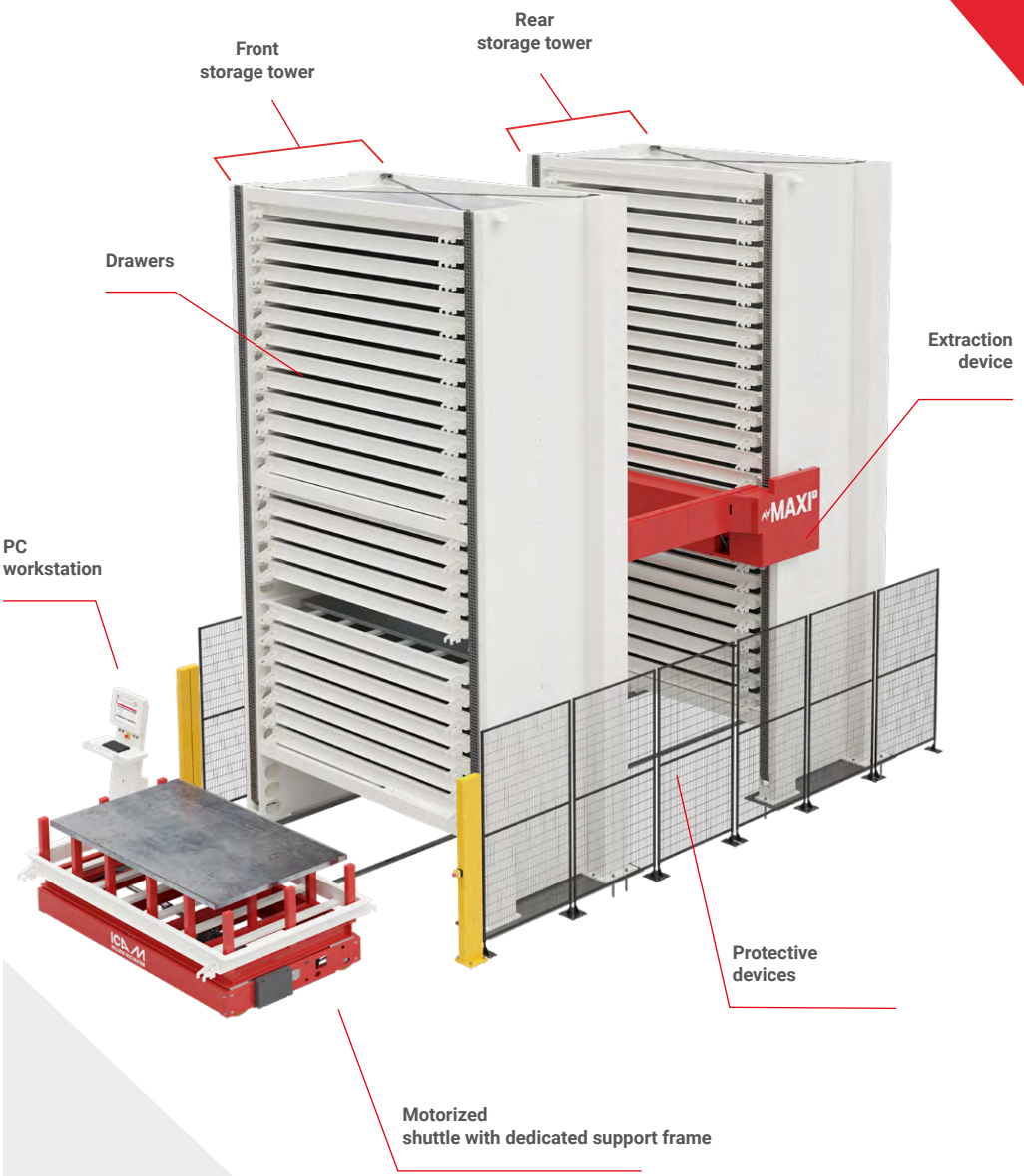
A STRUCTURE ENGINEERED **TO LAST** AND **EVOLVE**

MAXI[T] is available in **single-tower or opposing dual-tower configurations**. The structure is self-supporting, built in steel, and designed for both **indoor and outdoor installations.**

Inside the towers, storage drawers move along dedicated guides.

A **lift system** manages **drawers' extraction** and vertical transfer.

The drawer is delivered to the loading/unloading station, equipped with a dedicated support frame to facilitate handling via forklift trucks or other material handling equipment.



TECHNICAL SPECIFICATIONS

Drawer	
Maximum drawer load bearing capacity	3,000 kg
Internal usable dimensions	W 3,100 x D 1,600 mm W 3,100 x D 2,100 mm W 4,100 x D 1,600 mm W 4,100 x D 2,100 mm
Maximum loading height	400 mm

System (single tower)	
Maximum system load capacity	90 t
Width	3,992 / 4,992 mm
Depth	4,457 / 5,957 mm
Height	Up to 12,000 mm
Module height pitch	500 mm
Working temperatures	0 ÷ 40 °C
Relative humidity	50 ÷ 85%

KEY BENEFITS

- Up to 90% floor space reduction
- Recovery of high-value production area
- Protection of delicate, high-value or bulky materials
- Ergonomic and safe material access
- Seamless integration into production workflows

ONE SYSTEM, **MULTIPLE CONFIGURATIONS**

MAXI[T] 's modular architecture allows the system to be configured according to available space, production volumes, and material types.

It can be installed **indoors or outdoors**, developed as **a single or dual-tower configurations**, and **integrated with machine tools and servo-assisted handling systems** to deliver tailor-made solutions while maintaining robust and proven engineering standards.

Loading and unloading configurations are defined according to the stored items: **load/unload station with dedicated support frame or motorized shuttle** for sheet metal, pallets, heavy loads, and special materials.

Each configuration is engineered to meet specific operational needs, ensuring structural consistency, long-term reliability, and sustained efficiency.


LOADING
DOCK DOORS
CAUTION
LASERX

ICON: THE **DIGITAL INTELLIGENCE** BEHIND MAXI[T]

ICON
ICAM CONSOLE

ICON is ICAM's software that transforms every ICAM automated storage solution into a smart, connected and fully controlled warehouse environment.
Web-based and seamlessly integrable with leading ERP, WMS and third-party platforms, ICON provides full control over system functions and ensures **seamless interaction** with enterprise IT environments.
Additionally, ICON enables **floor area mapping and manages stock stored outside** the automated system.

MAIN FEATURES

- Real-time monitoring of drawers and access openings
- Automated loading/unloading missions
- Traceability by item code, batch and order
- User management and access levels
- Operation history and system logs
- Automatic backup and integrated security

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