



ICAM
INTELLIGENT SPACE SOLUTIONS



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

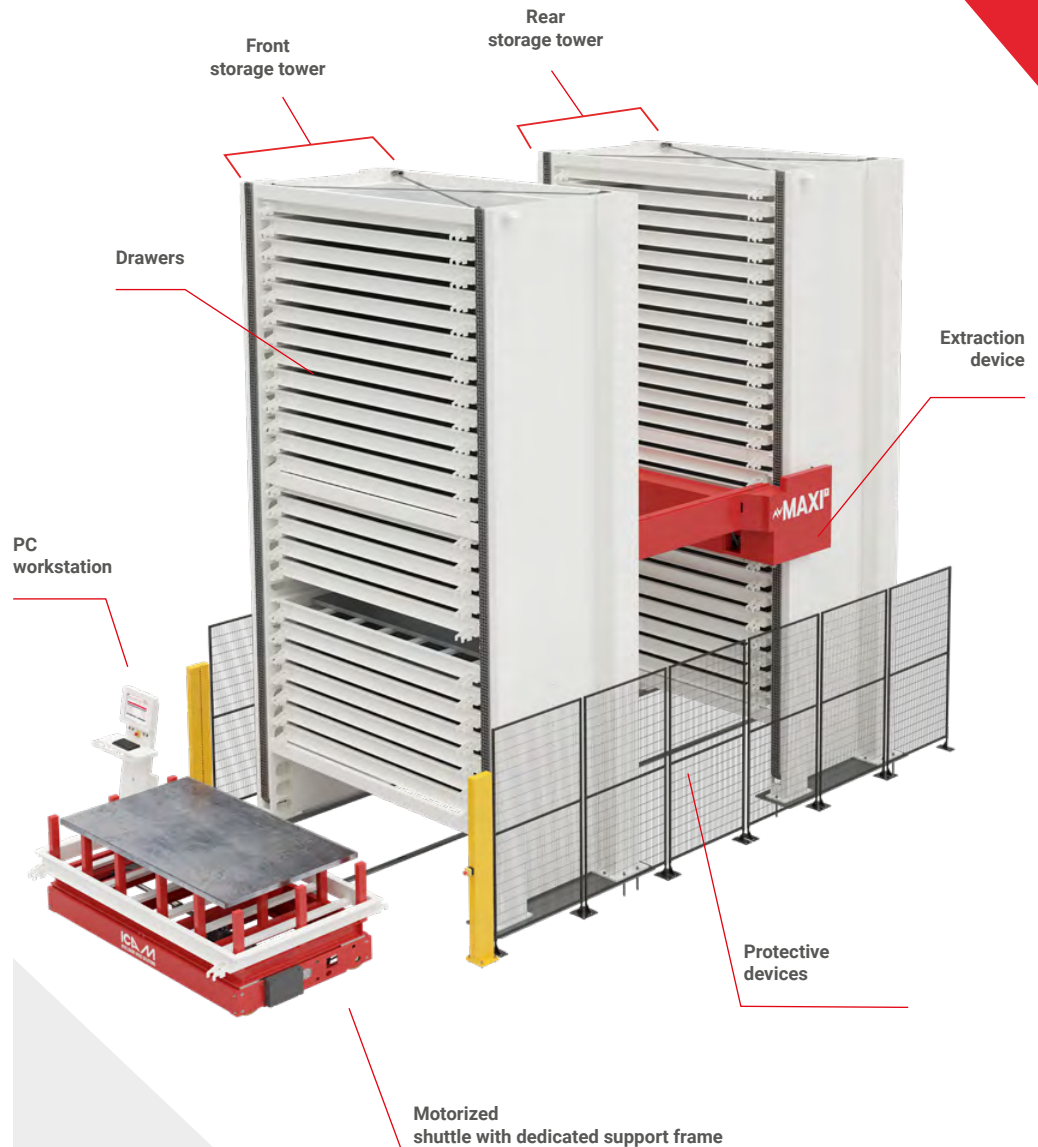
A STRUCTURE ENGINEERED TO LAST AND EVOLVE

MAXIT[®] 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 unit or in multiple parallel 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
CUTTING

LASER X

ICON: THE DIGITAL INTELLIGENCE BEHIND MAXI^T



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 trays and bays
- 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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