



maxitek™

Mobile and static shelving systems, designed in Germany, manufactured in Australia



Maxitek™

Germany's best is Australia's best

Designed and manufactured in Germany for more than 35 years, Bosco's **Maxitek™** range of static and mobile storage offers a level of quality and reliability new to the Australian market.

We have become a market leader in quality compact shelving systems due to our expertise and experience in CNC sheetmetal manufacturing, passion for technological improvement and our reliable project management.

Banks, public authorities, libraries, industrial companies, museums, retail stores, science facilities and university faculties are among our clientele, who have taken

advantage of a truly custom, fit for purpose shelving solution.

The **Maxitek™** range draws on proven design solutions and years of development to offer a sophisticated and superior choice in static and mobile storage.

Well-organised storage will always have a beneficial effect on your operating costs.

The optimum use of expensive floor areas, careful preservation of archive materials as well as minimised access times are important factors when it comes to profitability.



University of Western Sydney, Hawkesbury New South Wales



Australian Museum, Collection Store, Sydney New South Wales

Tailored solutions

The Bosco **Maxitek™** range meets these targets, enabling you to maximise the use of your space and optimise your business productivity.

From initial consultation the design team at Bosco are ready to advise and assist you with your project. Whether the project involves setting up a new storage solution

or the expansion of existing structures, our designers are able to provide you with the support you require.

Planning and design are carried out in close collaboration with you. The ideal storage solution for your unique application is developed to accommodate the specific needs of your project.

For archive materials, which require ventilation from all sides, Maxitek™ is our ideal solution. The system can be supplied with open or closed fronts as preferred. The unique post structure combined with a wide range of standard, perforated and decorative end panels and system accessories, ensure the Maxitek™ can be used anywhere.



University of Western Australia, Science Library, Crawly Western Australia



The outstanding stability and attractive appearance of the Maxitek™ system are created by the post structure on which its construction is based. The extreme flexibility of the system ensures optimum adaptability to suit individual space constraints. Maxitek™ can be supplied in the form of rolling or static shelving.



Faculty of Law Library, Sydney University, New South Wales

Equipped to suit every need

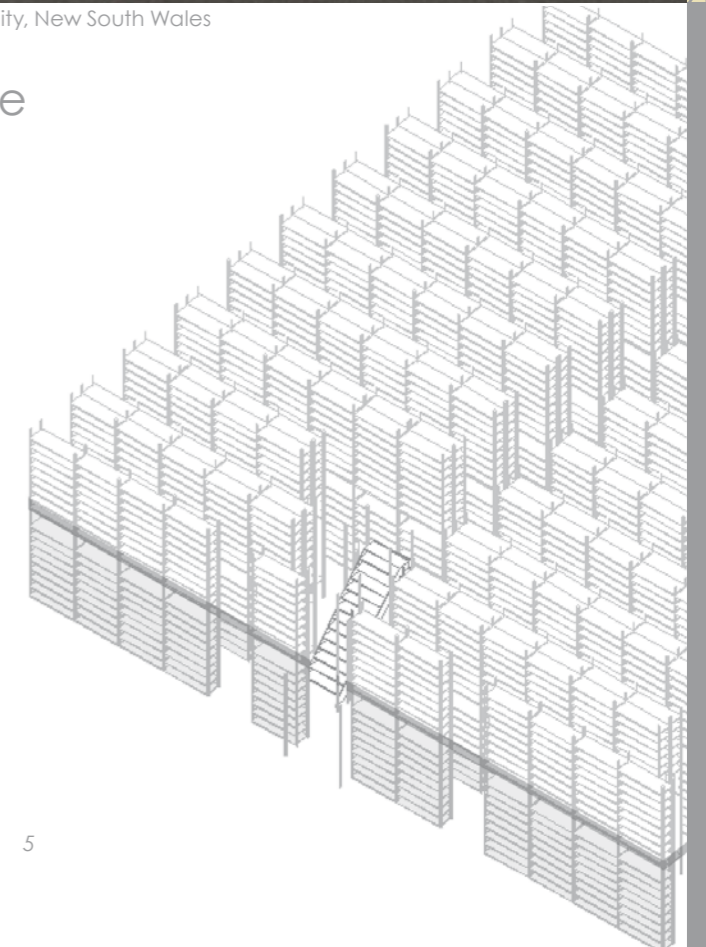
Maxitek™ storage systems are manufactured by Bosco for each application. Customised configurations are created from the wide range of optimised **Maxitek™** components to meet your individual requirements.

Your system will be built by Bosco for you, to your requirements. This allows you the opportunity to customise your installation. Select from a range of bay sizes, drive

options, colours and accessories to optimise your storage solution. We understand user requirements often change, the **Maxitek™** system has been developed and refined in Europe over the past 35 years to ensure you have the flexibility to adapt and change your shelving system with minimum disruption. The modularity of the **Maxitek™** system enables you to reconfigure your installation as your needs change.

Anything is possible

Maxitek's™ stable and flexible design offers countless assembly and construction possibilities, easily adapted to suit any building or style. The timeless shelf design blends perfectly and can be adjusted without tools at 20mm intervals. Load capacity of 100 kilograms per shelf or 400 kilograms with reinforcement means functionality can remain constant. This allows multi-tiered or mezzanine style shelving construction for the ultimate in space maximisation.



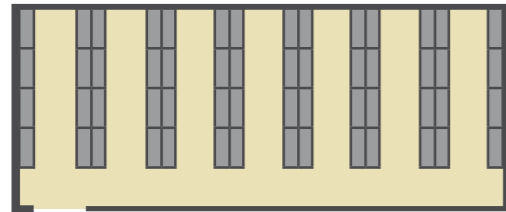
Mobile Maxitek™

The solution to your space problems

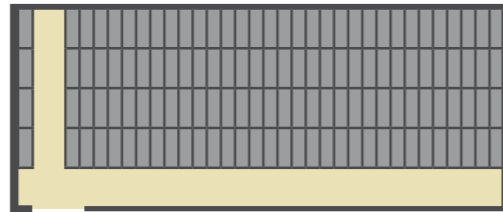
The Bosco Mobile **Maxitek™** should be used wherever large volumes of material are being archived and stored requiring hassle free efficient access at all times. Optimise your space without expensive remoulding. As only one access aisle is necessary for mobile shelving systems, room capacity can be more than doubled in comparison with static shelving by up to 228% when compared to traditional static shelving.

For more than 35 years, archives and stores, offices and libraries, public authorities, banks and institutions throughout Europe have appreciated the outstanding quality, dependability and secure operation of the Mobile **Maxitek™** system.

100 %



228 %



Usable area - Maxitek™ (Static shelving)	Space utilisation (Static shelving)
6 double sided shelves, each with 8 shelf bays, and 2 single sided shelves, each with 4 shelf bays give a total of 56 shelf bays, each with 6 compartments equivalent to 336 running metres.	There is an aisle at least 750mm in width between each shelving unit. In our example, this means that 61% of the available storage area has to be used as aisles.
Capacity = 100 %	Space utilisation = 39 %

Usable area - Maxitek™ (Mobile shelving)	Space utilisation (Mobile shelving)
15 Mobile shelves with 8 shelf bays and 2 end shelves with 4 shelf bays give a total of 128 shelf bays, each with 6 compartments equivalent to 768 running metres.	Only one 750 mm aisle is needed for the whole shelving system. This means that the proportion of the space needed for access is reduced to 7% compared to the static shelf system (see left).
Capacity = 228 %	Space utilisation = 93 %



St. George Bank Limited, Corporate Bankstown, New South Wales



Manual operation

The economical and maintenance free solution for smaller loads (max. 2000 kg). Manually operated **Maxitek™** units incorporate easy-movement rollers, high precision runners and ergonomically designed handles, ensuring the shelving units can be moved effortlessly.



Mechanical operation

With extra power for easy movement of several shelf units-at one time, mechanical drive is the ideal solution for medium to heavy loads. Using our standard gearing ratios of 1:1500 or 1:3000 to the shelf load, it is possible to move several heavily laden shelf units effortlessly. Units incorporate an anti tilt mechanism and can be operated by hand-wheel or a steering wheel, both equipped with ergonomically shaped knobs.



Electrical operation

For large or heavy shelf units or where frequent access is needed, electric drive facilitates ease of handling. Controls at the front of the bay open the desired aisle immediately. This means all shelving units start simultaneously, reducing wait time. Every shelving unit has its own motor contained within the mobile frame. The archive materials stored remain securely on the shelves at all times, without sliding.



Art Gallery of New South Wales, Off Site Store, Sydney

Runner system

The innovative **Maxitek™** runners system demonstrates the unique nature of this flexible range.

The runner can be used for fitting below floor level or for surface mounting. They are secured and adjusted using a levelling bracket which means there is no drilling or screwing into the runner itself. This does away with ugly, visible screws and damage that can affect the appearance and optimum running of the shelves.

Since the drive chain and anti-tilt mechanism are fitted within the runner, fewer channels are required.

Maxitek™ mobile systems can be installed without damaging existing floor surfaces when using Bosco's floating floor system. The innovative **Maxitek™** track system does not require fixed connection to the building floor, offering excellent flexibility. For a more permanent system, an underfloor installation can be used reducing the overall height of the system and providing a flush floor and track alternative.

The driving principle

Maxitek™ mechanical and electrical operated units are driven by twin chains which control the running wheels on each side of the shelving bay via torsion-proof shafts.

The high precision parallel guiding mechanism and 130mm diameter double ball bearing cast iron running wheels guarantee maximum ease of use with minimal force required.

The **Maxitek™** transmission system

utilises an adherence-actuated friction wheel or positive-locking wheel with the chain concealed in the track. The 115mm running gear is very shallow facilitating access to the upper shelving levels.

The frames are made from 4mm thick quality profiles, welded together for strength producing a solid structure.

Rubber buffers are incorporated into all units to give silent buffing and safety clearance to eliminate OH&S risks.



Driving chain

The new system of fitting the driving chain into the runner means separate rails for the driving system are no longer required.



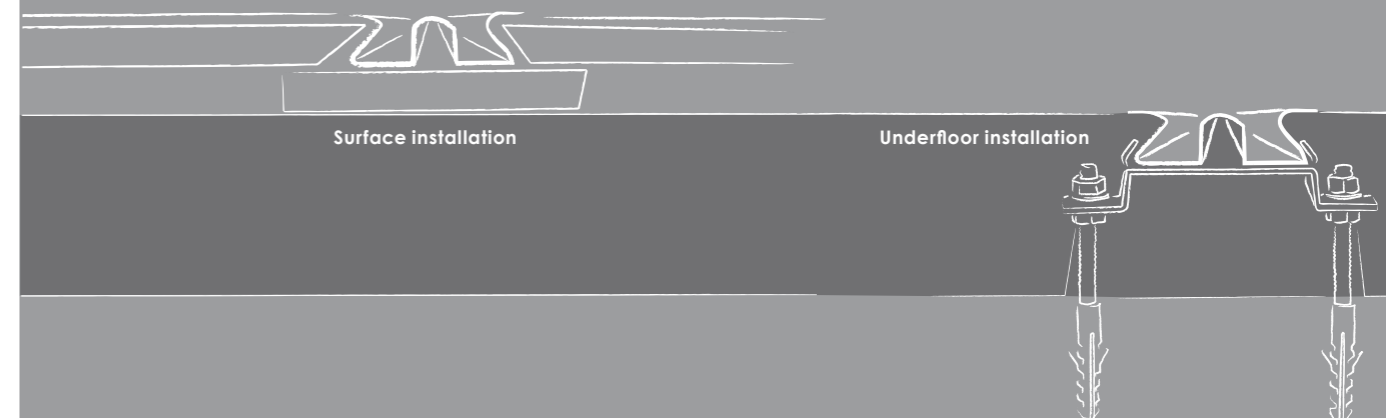
Anti-tilt mechanism

The ingenious shape of the track can hold the anti-tilt mechanism securely without additional grooves in the floor.



System E (internal rollers)

Internal double ball-bearing runners grey cast iron track wheels with wheel flange guide mechanisms ensure secure parallel guidance with minimal friction.



Maxitek™ mobile bay bases are made from high quality 4mm steel with proven tensile strength, yield structure and a tested static load capacity. This ensures excellent structural integrity and high load support capacity.

Technical specifications

Standard heights:

overall height (in mm) - underfloor track	1946	2066	2306	2426	2842	3026
overall height (in mm) - surface track	1986-2026	2106-2146	2346-2386	2466-2506	2706-2746	3066-3106
height of bay (in mm)	1830	1950	2190	2310	2550	2910
no. of levels per bay						
no. of DIN A4 files - upright	5	5	6	6	7	8
no. of DIN A4 suspension files - on side	5	6	7	7	8	9

Standard widths:

shelf width (in mm)	sum (bay width x no. bays) + 84mm + pillars + panel					
bay width (in mm)	840	1000	1240			

Standard depths:

bay depth (in mm)	single sided	280	330	380	430	480	530	630
	double sided	530	630	730	830	930	1030	1230
shelf depth (in mm)	single sided	250	300	350	400	450	500	600
	double sided	500	600	700	800	900	1000	1200

Approximate load:

	Wt. (kg./metre)	bay depth (mm)
books	50	250
periodicals	60	300
DIN A4 files - upright	30	300
DIN A4 suspension files - on side	35	350
archive boxes	40	350
archive cartons	75	400
x-ray files - lateral	100	450

Special sizes possible on request

Everything just as you want it

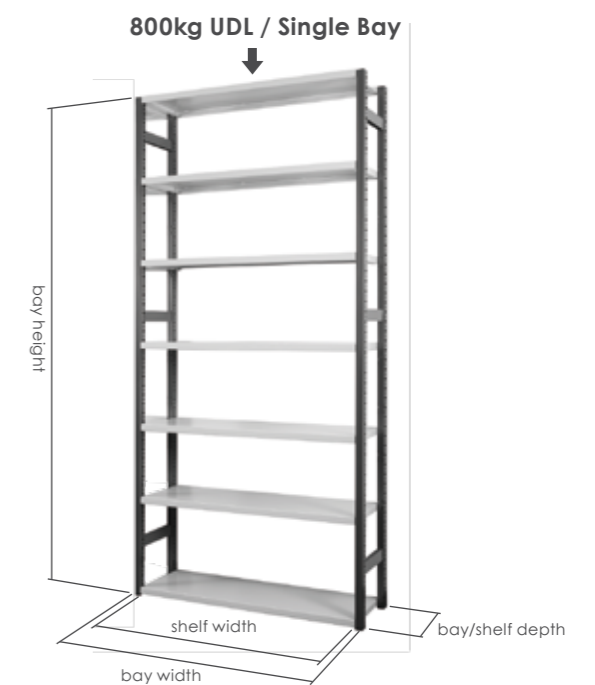
Maxitek™ shelving systems are available in a range of standard and premium colours including non-slip textured finishes.



New South Wales Nurses Association, Archive Storage Room, Camperdown

Maxitek™ shelving incorporates unique corner assembly technology to provide high level strength and support integrity. This feature significantly increases shelf load capacity and enables individual bays to carry up to 800kg UDL.

For heavier loads, reinforcement profiles are available and can be retrofitted quickly without tools. Reinforcement raises the individual shelf load capacity.



Accessories

A wide range of solutions to meet your needs

Accessories enable you to maximise the functionality and usability of the **Maxitek™** range.

Our comprehensive range of **Maxitek™** accessories include back buffers, insert panels, wire rods, suspension loop supports, metal book ends with locking mechanisms, name strips, lockable sliding doors, dust seals, central locking and coupling locks.

Maxitek™ shelf accessories can be height adjusted without the use of tools, at intervals of 20:20mm.



Hanging bookends



Ring binder shelf



The shelving posts can be fitted with partitions, giving internally flush smooth side walls to the shelving that prevent the stored goods slipping behind the pillars.



Roll out drawer with tray insert for loose parts or card index



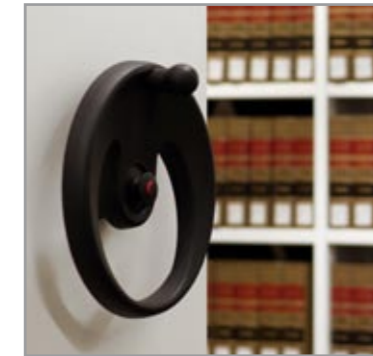
Roll out file frame for lateral or vertical suspension filing



Metal book ends with locking mechanisms



Lateral filing with insert panel



Baylock system locks bay instantly via push button or keylock



Ring binder shelf with adjustable wall



Magazine display shelf



Suspension filing system



An alternative for specialist library archives. The mediatek™ shelving system

Mediatek™ is a shelving system designed to meet the needs of libraries and media archives. The heart of the system is a centre pillar construction that is fitted with double slots of 15x15mm intervals. Compartment bases or periodical display panels can be easily fitted, adjusted or relocated at any time. The guiding edge of the shelf pillar is particularly useful, as there can be no sliding away from the suspension position. This

makes installing loaded shelves hassle free. **Mediatek™** ensures correct preservation of materials combined with optimum use of space.

The system is notable for its rational technology, maximum space gain, user-friendliness, economy and contemporary design. **Mediatek™** can be supplied as rolling shelving or static shelves.

University of Western Australia, Science Library, Crawly Western Australia

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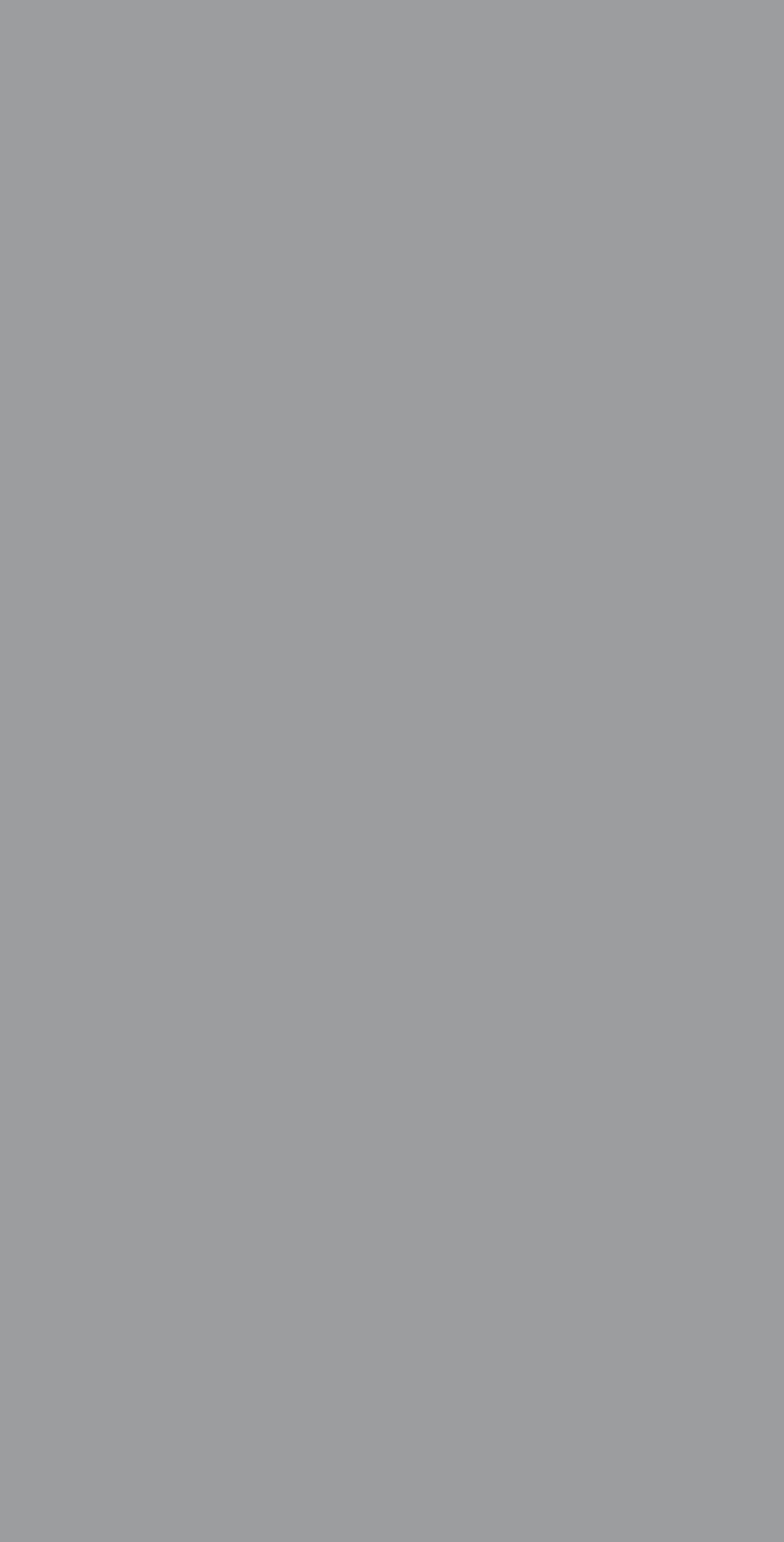
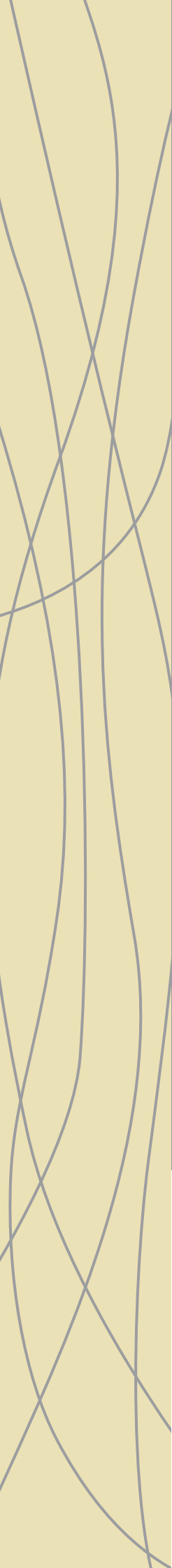
Custom design

Maxitek™ shelving systems are made to order by Bosco. It is possible to create unique, customised configurations to meet your requirements.

Bosco Storage Solutions has an in house design team who can work with you to develop a custom installation unlike any other on the market. State of the art design facilities and software allow you

to see photo realistic images of your design early in the process. The smart design and flexible options of the **Maxitek™** enable changes and adjustments to be made easily. Using the **Maxitek™** upright as the core, we can create unique accessories, sizes, end panels and arrangements for your individual application ensuring the optimum storage solution for your project.





bosco storage solutions

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