

MOVABLE SHELVING SYSTEM

*Furniture
you can depend on*



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MOVABLE SHELVING SYSTEM

LITREG CRANK DRIVEN MOVABLE SHELVING

WE UNDERSTAND THE NEEDS

We understand your need for furnishing offices, archives and libraries. We offer movable shelving. It is a perfect solution for documents archiving and storing, as it provides unlimited possibilities and allows to use the archival area to the maximum.

WE GUARANTEE FUNCTIONALITY

The wide range of equipment and the possibility of setting the individual elements together ensure making the most of even the smallest free space.

Accessories: frame drawers, extendable shelves, supports for documents contributes to work effectiveness and flexibility of setting the movable shelving system.

WE ENSURE THE SATISFACTION

We present our offer on every customer request. We design a plan for developing an archive, a warehouse or an office with bookshelves at no extra charge, providing the most advantageous solutions. Together we will create the optimal solution for efficient use of rooms.



VARIOUS SOLUTIONS



MEDALIST SHELVING



open shelving



shelving with sliding doors



shelving with wing doors



closing segment

MOVABLE SHELVING SYSTEM

LITREG CRANK DRIVEN MOVABLE SHELVING



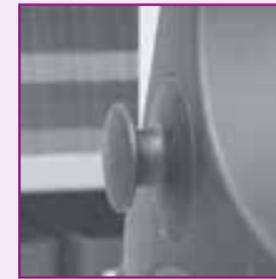
Extendable frame drawer - provides an easy access to documents.



Extendable shelf - ensures functionality and wide range of applications.



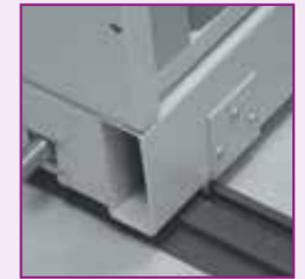
Support for documents - storing documents becomes convenient and tidy.



Crank mechanism with blockade.



Crank mechanism with blockade with a lock - additional security.



Solid frame bearer guarantees stability and durability.



Solid crank mechanism - big transmission, easy to move.



Adjustable shelves - guarantees flexibility of the shelving.



Strengthening cross bar - ensures stability and rigidity of the shelving.



Frame with card holder - allows for proper organization of documents.



Surface trackage.



Limiter.

We offer several solutions which adjust to the needs of all people around ensuring functionality, efficiency, dynamics and cosy atmosphere.

It is possible to change the height of shelvings and the width of shelves according to customer needs.



Mesh panel system - for safe paintings storage.



Wardrobe shelving - wide range of use.

TECHNICAL SPECIFICATION

Height (mm)	2019	2394	2769
Width of a shelf (mm)	1000		
Depth of a shelf (mm)	250	300	370
Shelves per unit	5, 6 or 7 shelves + 1 top shelf as a cover against dust		
Distance between shelves	350 mm		
Shelf's adjustment	every 25 mm		
Load capability of a shelf	40 kg	80 kg - (optionally)	
Distance buffers	20 mm thick		
Drive	Crank driven		
Additional equipment	<ul style="list-style-type: none"> - shelf's partitions - a lock - a blockade - full and frame drawers for hanging files (only for 370 mm deep shelf) - extendable shelves - mesh panel system - wardrobe shelving 		

MOVABLE SHELVING SYSTEM

LITREG CRANK DRIVEN MOVABLE SHELVING

TECHNICAL DESCRIPTION OF LITREG 6.3 MOVABLE SHELVING SYSTEMS

1. The trackage construction

The trackage is made of a flat bar (2 x 70 mm) and a flat bar (10 x 20 mm) - galvanized. Both elements are fixed together (welded). The total height of the trackage is 12 mm. Trackage is anchored to the floor with expansion bolts 8 x 60 mm with tapered flange. The outermost tracks have mechanical gate stops preventing the shelving from leaving the track.

Number of tracks:

- for up to 3000 mm long shelving – 2 tracks (2 outermost with anti-tilt system),
- for up to 5000 mm long shelving – 3 tracks (2 outermost with anti-tilt system),
- for up to 7000 mm long shelving – 4 tracks (2 outermost with anti-tilt system).

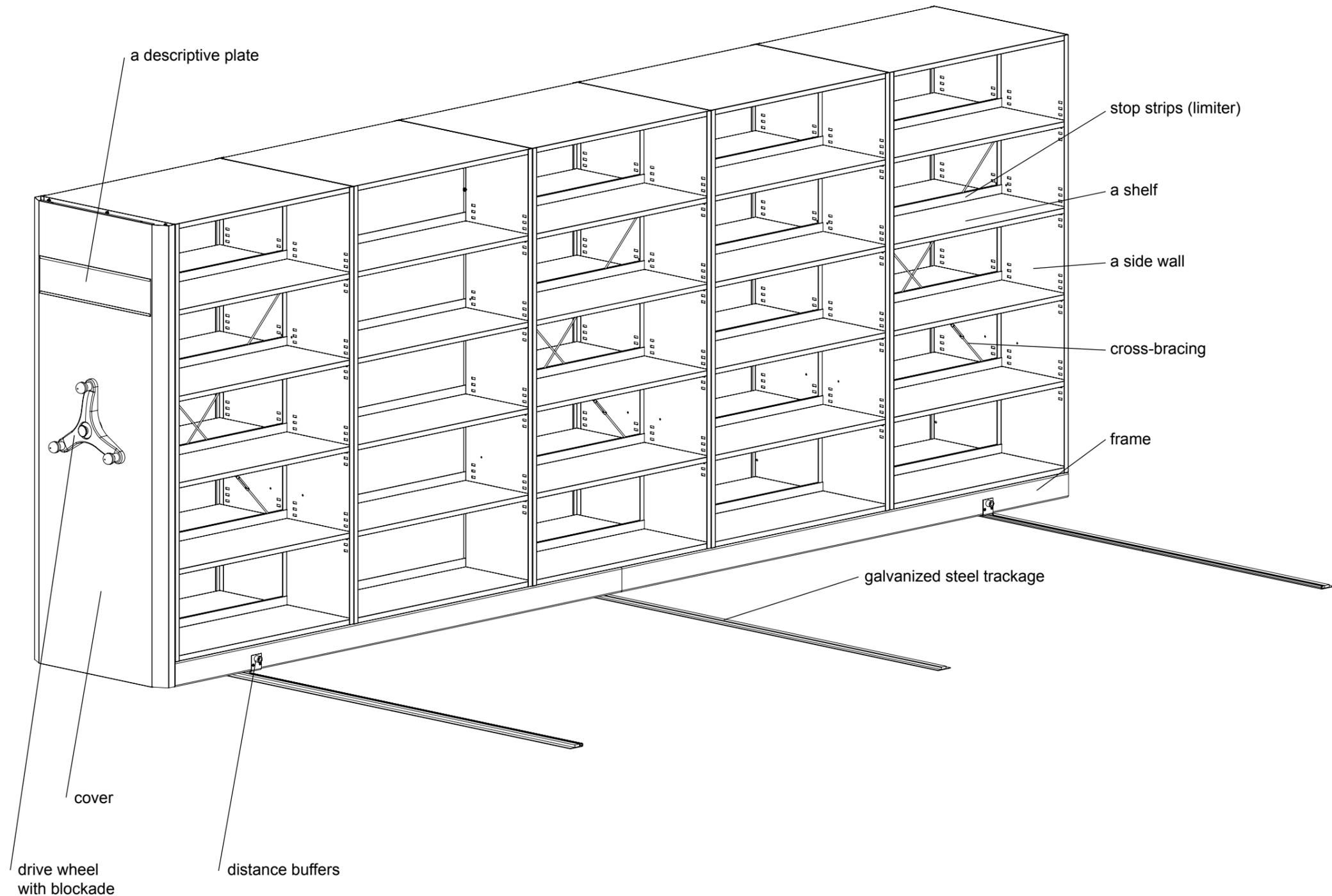
2. Shelving undercarriage

100 mm high undercarriage (frame) is made of closed steel profiles and bent elements made of powder coated steel sheet. There are shafts in the frame. On the shafts there are cast iron wheels with one-side edge. As standard, all wheels are equipped with ball bearings what improves the quality of use.

In the frame there are distance buffers protecting hands.

3. Construction of the shelving body

Shelving body - front and side walls - are made of powder coated steel. Walls are attached to the frame (undercarriage) with bolts. They are perforated every 25 mm. In addition, for greater stiffness of the construction, a cross-wise strengthening is applied.



MOVABLE SHELVING SYSTEM

WITH LITREG CRANK DRIVE

4. Shelf construction

Shelf is made of powder coated steel. There are two types of shelves: a closed shelf and a shelf with a 22 mm high limiter preventing documents from moving onto the shelf next to it. The shelf is 24 mm thick.

5. Drive mechanism construction

The type of applied drive - mechanical, supported with three-arm crank made of plastic with three rotating knobs. Chain drive is equipped with the drive component and the reduction component. Gearing 1 to 6,8. Shelving moves when a small amount of force is applied. Crank axis with blockade.

6. Decorating panel construction

The front panels (full ones) cover the drive mechanism. 70 mm thick bent cover increases the aesthetic value of the shelving. Panels are equipped with labels for describing the content of segments. The decorating panel is light grey (RAL 7035) but it is possible to paint it any colour from our RAL colours palette.

7. Requirements regarding the floor

The difference in level cannot be larger than 10 mm per 5 meters in perpendicular direction with regard to the movement of shelvings and 5 mm per 4 meters. In case of larger variation it is necessary to even out the floor.

Due to the interference into the floor (anchoring, cutting out channels) construction documentation considering the floor is necessary (section of the floor, plumbing/water installations and others).

In insulating ceilings (foamed polystyrene board, mineral wool etc.) where the trails are fixed wall chases must be made and filled with concrete.

Trails should be perpendicular to the ceiling.



STANDARD COLOUR OF THE SHELVING



RAL 7035

OTHER AVAILABLE COLOURS



RAL 9010



RAL 1015



RAL 7032



RAL 8016



RAL 1023



RAL 2004



RAL 3020



RAL 3005



RAL 6011



RAL 6033



RAL 5018



RAL 7016



RAL 5012



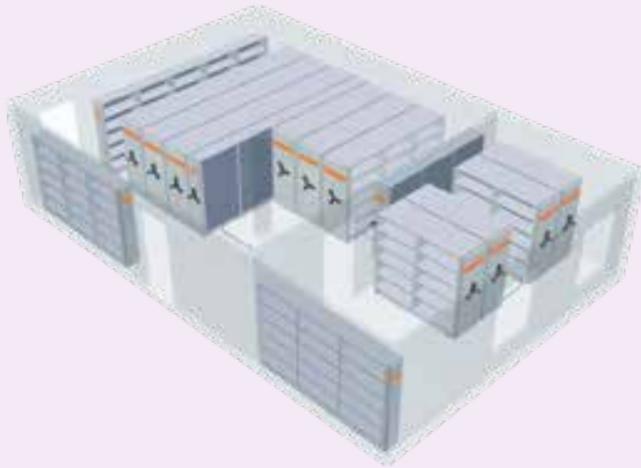
RAL 5010



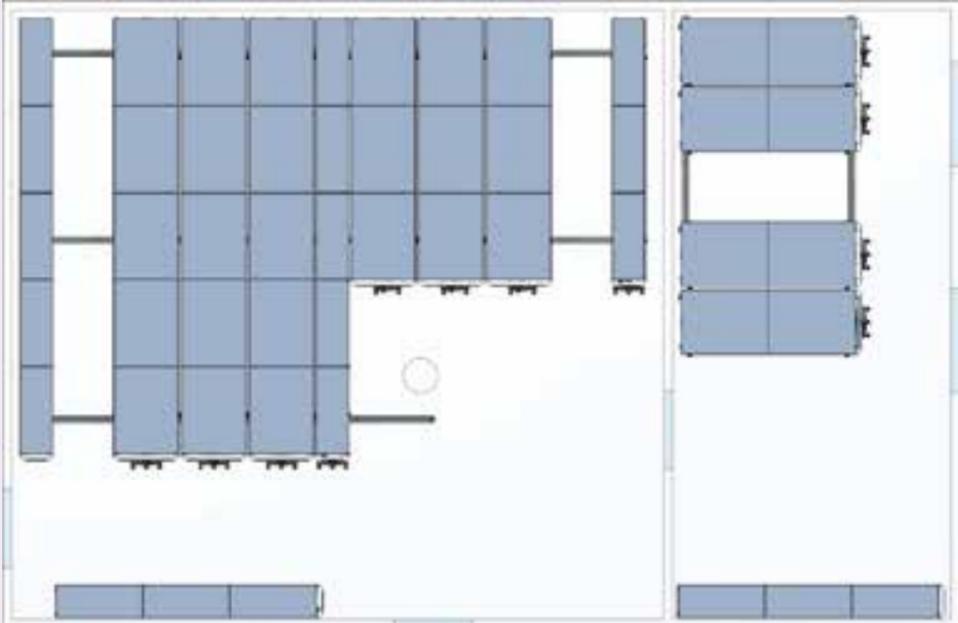
RAL 9005

MOVABLE SHELVING SYSTEM

LITREG CRANK DRIVEN MOVABLE SHELVING



3D model
400 running meters of shelving



furnishing project - 400
running meters of shelving

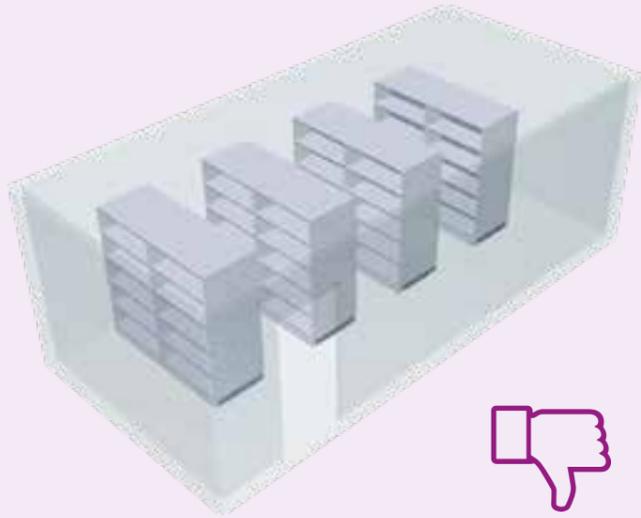
SPACE SAVING

STATIONARY shelving allows to store only 1040 binders.

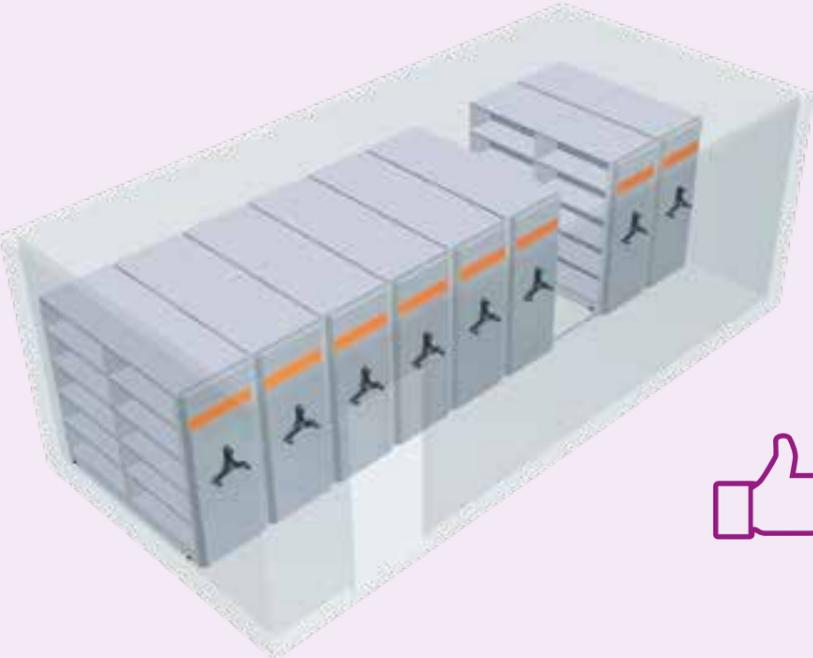
With LITREG CRANK DRIVEN MOVABLE SHELVING it is possible to double the storage place.

Furnishing the same area with our movable shelving allows to store 2080 binders.

Because of individual technical conditions and customer requirements, we provide you with a project together with the estimated cost only after receiving the information about available space and requirements.



standard shelving
80 running metres of shelving – ca. 1040
binders



movable shelving system
160 running metres of shelving – ca. 2080
binders

MOVABLE SHELVING SYSTEM

LITREG CRANK DRIVEN MOVABLE SHELVING



REALISATIONS



MOVABLE SHELVING SYSTEM

MOVABLE SHELVING WITH SOFT TOUCH ELECTRIC DRIVE

MODERN SYSTEM

The movable shelving with SOFT TOUCH system is a truly innovative solution. Moving particular units no longer requires any physical effort. Tap gently in specific spot to gain access to required archives. This is a perfect solution for large and frequently used archives, when user is carrying documents and cannot use hands, especially disabled people. Shelving moves smoothly, what protects files against changing their position when moved.



VARIOUS SOLUTIONS



MEDALIST SHELVING



see how it works



shelving with sliding doors



shelving with shelves



shelving with mesh panel

MOVABLE SHELVING SYSTEM

MOVABLE SHELVING WITH SOFT TOUCH ELECTRIC DRIVE

FUNCTIONS

Movable shelving system provides the possibility of transmission by means of an electric motor and cogwheels coupled with transmission shaft. The control system has the following functions:

- opening,
- blocking,
- resetting,
- failure alarm,
- moving apart, airing,
- user protection, safety.



The trackage is galvanized. The total height of the track is 12 mm. Trackage is anchored to the floor with expansion bolts. The outermost tracks have an anti-tilt system, protecting against overturning. Optimally selected number of rails ensures smooth and easy movement of units. There is also a possibility of installing a chain in the trackway.



The frame is made of steel profiles powder coated in RAL 7035 colour. The frame is equipped with shafts and cast iron wheels. The wheels have ball bearing to improve the quality of use. The frames are equipped with rubber distance buffers in order to prevent units from sliding off. Movable shelving provide the possibility of transmission by means of following elements: electric motor, cogwheels coupled with transmission shaft.



Load-bearing wall is made of powder coated steel, perforated every 25 mm (either in intervals or continuously). Thus shelves can be adjusted at any desired height. For additional rigidity of units, a cross-wise strengthening is applied.

MOVABLE SHELVING SYSTEM

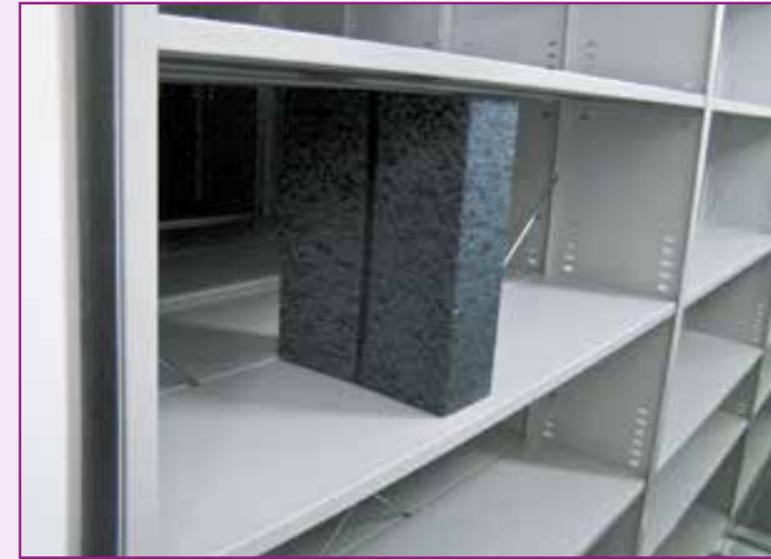
MOVABLE SHELVING WITH SOFT TOUCH ELECTRIC DRIVE

Movable shelving with 'SOFT TOUCH' electric drive combines functions of archiving huge stocks of documentation with the best user experience.



Shelves are made of powder coated steel and are equipped with dividers, which prevents documents from moving onto the neighbouring shelf.

Shelf's loading capacity is 40 kg or 80 kg (as an option). The front load bearing wall, from the side of the control panel, is covered with a decorative panel. There is a place for nametags on the whole width of the panel.



SAFETY



The shelving is designed with a possibility of locking with special keys. The access to particular units might be restricted only to employees possessing a particular key. The shelving also has an in-built 'night positioning' option. All units move to make an equal distance from another so as to provide additional ventilation of stored items. Units are equipped with electric overload protection which reacts to all obstacles while moving. Additionally, the shelving is equipped with a passive safety system. The system forces users to have a look at an opened alley, before it moves to another. All the functions guarantee safety of use.

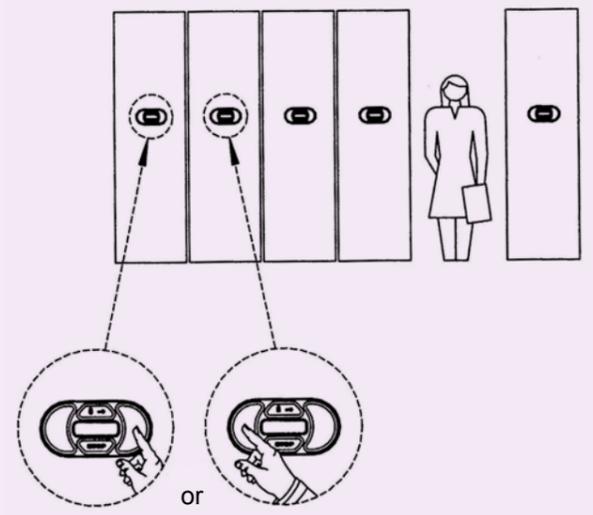
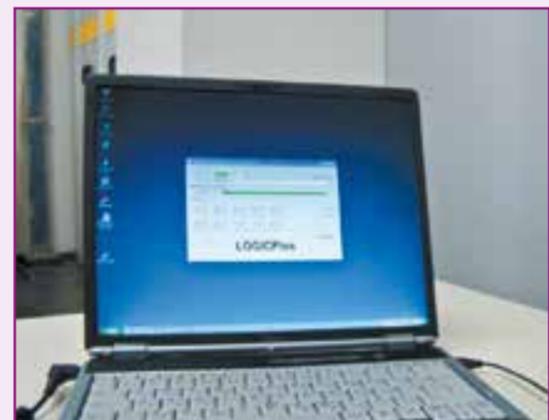
MOVABLE SHELVING SYSTEM

MOVABLE SHELVING WITH SOFT TOUCH ELECTRIC DRIVE

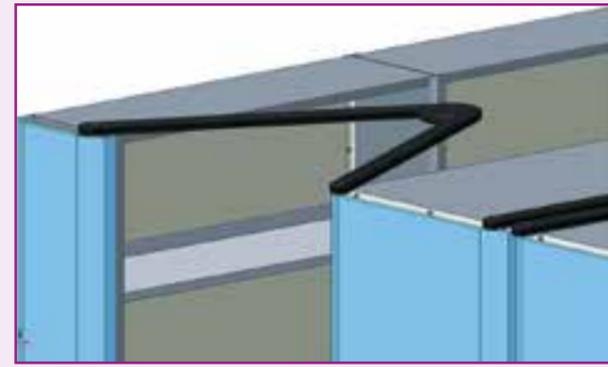
Movable shelving with modern electric drive. The control panel and the entire mechanism of the electric drive are fine-tuned in every detail, with the greatest safety consciousness and comfort of the user.



Movement of the system is performed through the control panel placed on the front wall of each unit. It is possible to move all units with one control unit. Control panel indicates the direction of movement and opening of an aisle. Opening and closing of a particular unit comes down just to press the button on the control panel. The panel is equipped with the system of signal diodes, informing about the system failure. Additional control program is detecting and signalling the place and the kind of a breakdown.



The units are moved with the control panel.



Wires are hidden in a cable channels placed on the top of each unit - as shoulders between units.



MOVABLE SHELVING SYSTEM

MOVABLE SHELVING WITH SOFT TOUCH ELECTRIC DRIVE

It is possible to adjust the height, the interspace of shelves and to fit solutions to individual needs of users.



Lighting of the space between units. The illumination is controlled electronically and works only above the unit currently used by a personnel. Lighting covers are placed on metal trusses, screwed to the top shelves (the covering). The illumination starts automatically when the aisle is opened and switches off when it is closed, provided software allows user to set the time after which the light switches off.



Mesh panel system for safe storage of paintings.



Pull-out frame drawers facilitate access to documents.

SOFT TOUCH SYSTEM TECHNICAL SPECIFICATION

Height (mm)	2019	2394
Width of a shelf (mm)	1000	750
	or agreed with a customer	
Depth of a shelf (mm)	300	
Shelves per unit	5 or 6 shelves + 1 cover shelf	
Distance between shelves	350 mm or agreed with a customer	
Shelf's adjustment	every 25 mm	
Load capability of a shelf	40 kg	80 kg – (optionally)
Distance buffers	20 mm thick	
Drive	electric	
Additional equipment	<ul style="list-style-type: none"> - shelf's dividers - lightning - pull-out frame drawers - mesh panels 	



MEDALIST SHELVING



MOVABLE SHELVING SYSTEM

OFFICE SHELVING WITH SOFT TOUCH OFFICE ELECTRIC DRIVE

An electric office shelving is a very effective solution which significantly facilitates changing the office arrangement and its modernisation while being a functional suggestion for interior design. Nowadays flexible solutions are leading in space design. Instead of dedicated rooms, we offer mobile office shelving which are of comprehensive applications. Office shelving are not only easier to implement and cheaper than building partition walls but also they can expand and keep up with changing needs and office furniture.

The shelving may be equipped with an office part consisting of shutter cabinets with shelves, compartments and open shelves for binders. The social space is made up of a bar for clothing and a shoe shelf. The last stationary part is an upholstered seat where a worker may rest during break, have a call or have a coffee.

A sliding office shelving with an electric drive complemented with upholstered elements is an innovative suggestion for a comprehensive furnishing of an office room. It is both an excellent idea for having a rest in an office and a helpful facility for every-day office work.



Section 1



Section 2



Section 3



Section 4



SOFT TOUCH OFFICE TECHNICAL SPECIFICATION

Section 1 - movable and closed, equipped with two sets of filing cabinets with shutter doors. Cabinets with cylinder locks. Binders and other office supplies can be stored there. The bottom cabinet is equipped with an adjustable shelf and it can store two rows of binders. The body is made of powder coated steel.

Section 2 - movable, equipped with two sets of clothing compartments. Each section allows you to store clothes on hangers, and additional adjustable shelves allows to store shoes and other parts of clothing. Each compartment is equipped with a shelf with metal bar and an adjustable shelf placed in the bottom part. All parts are made of powder coated steel.

Section 3 - movable, equipped with two lockers and two shelving compartments for boxes of files. Lockers with doors made of metal and MDF board, with cylinder locks. The filing compartment is equipped with three shelves, adjustable every 25 mm. The body and elements of filing compartment are made of powder coated steel.

Section 4 - stationary, equipped with a ~450 mm high upholstered seat. There is additional free space under the seat for storing catalogues, magazines etc.



Height	1500		
Width	1000	1500	2000
Depth	600		800
Exemplary construction	Top is covered with 16 mm thick MDF board with veneered edges, Body of the shelving is made of 0.6 – 0.8 mm thick steel sheet, Doors of lockers are made of 16 mm thick MDF board and 0.8 mm thick steel sheet, locker at 1 point, Front walls are made of 1.0 mm thick steel sheet, Elements of front and back of the shelving are upholstered.		
Exemplary equipment	~725 mm wide cabinets with shutter doors, equipped with metal shelves, ~300 mm and ~400 mm deep metal shelves, mounted on both sides of a section, Hanger for clothes, ~300 mm and ~400 mm deep lockers with MDF or metal doors, mounted on both sides of a section, Shelving compartment for boxes of files, with shelves adjustable every 25 mm, ~450 mm high upholstered seat.		
	Presented shelving design and interior furnishing is exemplary. It is possible to make mobile office shelving based on customer's proposals.		
Drive	Electric drive, power supply placed in a track, sections can move to any distance, drive transmission using a low power electric motor and gears coupled to a drive shaft.		
Power supply	Shelving's installation powered with 230 V AC/16A, all control and drive elements are powered with max. 24V DC voltage.		
Controlling	Touch control panel placed on front wall of each section, operated with buttons indicating movement direction of sections and corridor opening, additional shelving management program to detect and signal location and type of failure.		
Control system functions	- opening, - blocking, - reset, - failure indication, - spreading apart, - ventilation, - employee's protection, - security		
Trackage	Surface, with interference in the floor (anchored) or with filling. Galvanized tracks.		
Safety	System overload detection function, - shelving stop function at a resistance of 30 kg - overload system (electrical), reacting to increase in current in electrical circuit when encountering an obstacle between sections spread apart.		
Other possibilities	Possibility of so called 'night positioning'. Shelving can be programmed to spread apart at a given time to vent stored materials.		

The construction of the shelving and its maintenance guarantee full safety of employees. Individual sections are designed in compliance with the applicable safety standards.