

# LETTERO

## FOR FLEXOGRAPHY



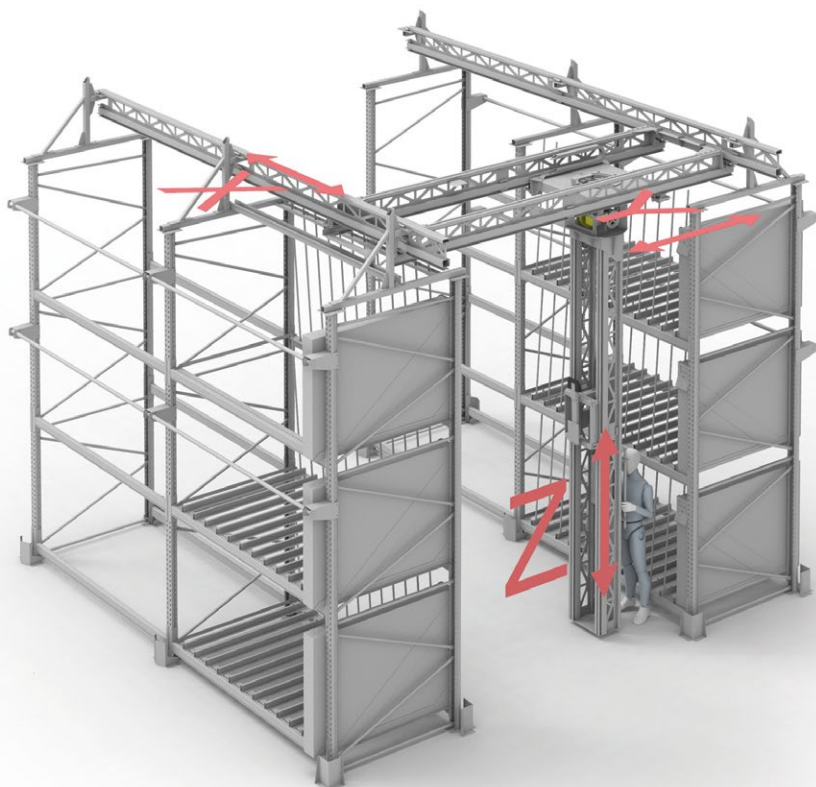
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**KARON**  
**lettero**  
for color and printing

# FLAT DIE STORAGE SYSTEM

The stacker crane system for flexographic form storage consists of storage racks, flat die cassettes, optional hanging panels and a stacker crane supporting the cassettes.



The stacker crane is a gantry crane manually moved between the racks. The rigid steel structure, wide movement array, and drivable mechanism allow for safe and easy operation. The driving bridge is placed above the racks, which allows to obtain a resting position that provides free maneuvering space between the racks.



Manual version panel



Semi-automatic version panel

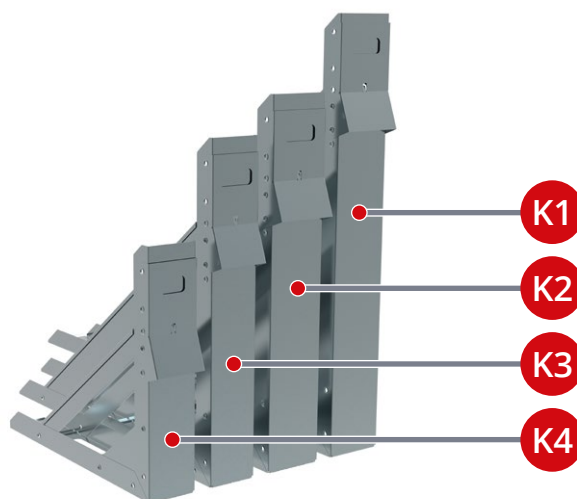
An ergonomic control panel and tracking cameras provide quick access to all storage levels from the operator position.

The stacker system is available in a manual or semi-automatic version for cassette-rack positioning. The semi-automatic version's software may additionally include a module for managing the cutting dies storage.

## LETTERO CASSETTES

Lettero cassettes are designed for the storage and transportation of flat dies. They are made of galvanized steel and they are available in four sizes:

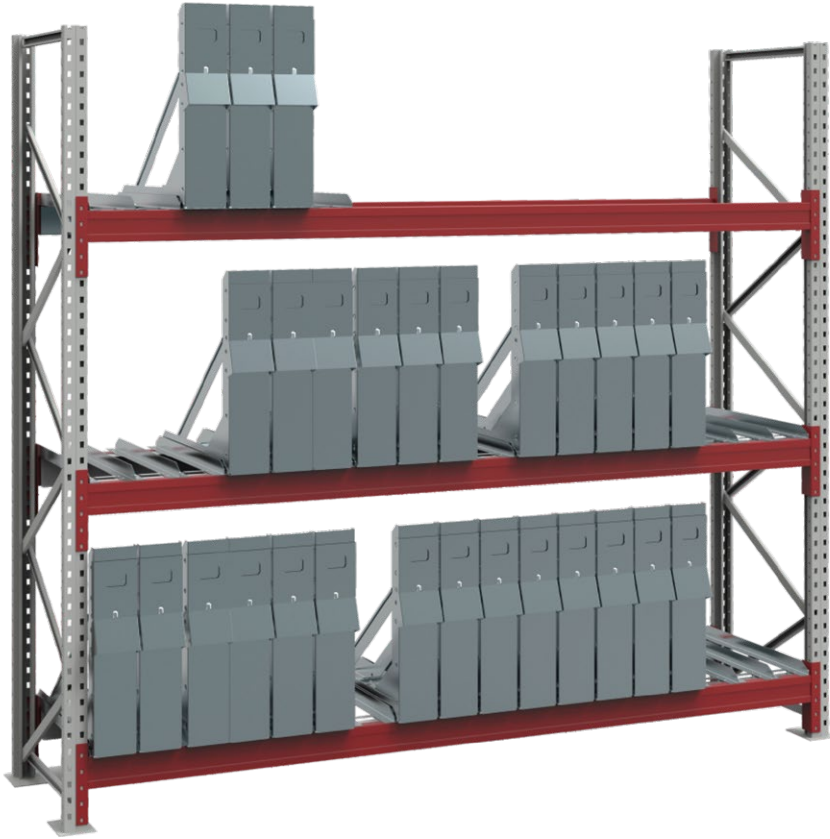
<b>K1</b>	170x1600x1200
<b>K2</b>	170x1250x1000
<b>K3</b>	140x1050x900
<b>K4</b>	140x800x650



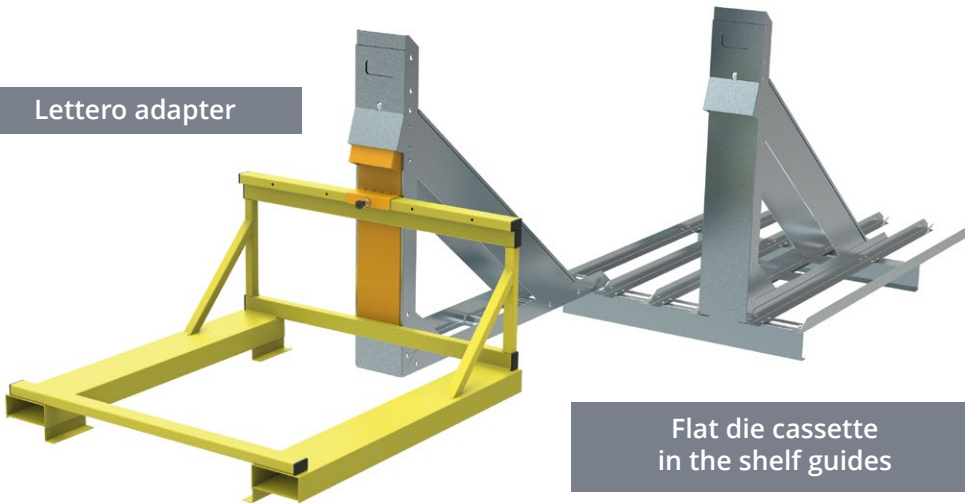
# CASSETTE STORAGE RACKS

Cassettes can also be stored in smaller rack storage systems operated by a typical forklift equipped with Lettero adapter and gripper or an electric forklift with a gripper and side shift.

The RWS KW storage rack is available in two heights - 2-level or 3-level storage, depending on the desired cassette size.



Lettero adapter



Flat die cassette  
in the shelf guides



The lowest level of the racks can be equipped with **hanging panels** intended for storing photopolymers. The panels are equipped with a guide rail that allows to conveniently insert the photopolymer form and prevents them from falling out.



A transport trolley is a convenient addition to the system, designed to transport cassettes between the rack storage system and a printing machine. It has a standard capacity of 3 cassettes.

# ROTARY DIE STORAGE SYSTEM

A supplementary to the offer is a rotary die storage system outfitted with a special guides, which allow for direct placement of dice using a stacker crane or forklift.



Rotary die trolley

Rotary die storage system with stacker crane



# ROTARY DIE STORAGE SYSTEM **RJ WC / RWC**



Movable shelving system RJE WC

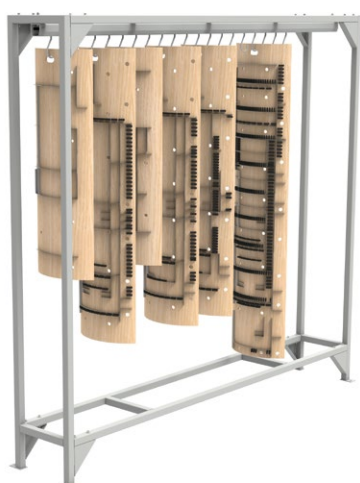
Movable Shelving System is available in 3 versions:

- RJE WC** - movable shelving system with electric driver for sleeves
- RJM WC** - movable shelving system manually controlled for sleeves
- RJS WC** - stationary movable shelving system for sleeves

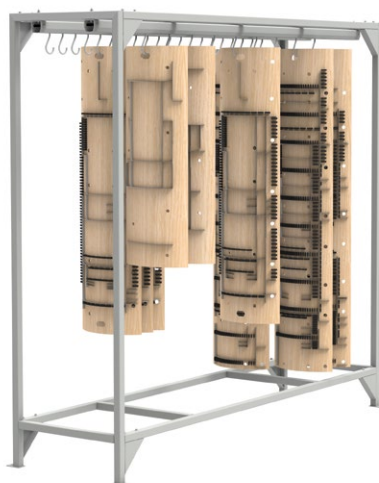
Rotary Die Storage System RWC is used to organize and store sleeves hung on hooks in a vertical position. RWC is available in two versions:

- single rack RWC 1 (SINGLE)** with one row of hooks with a capacity of 20 sleeves
- double rack RWC 2 (DUET)** with two rows of hooks with a capacity of 40 sleeves.

Racks are made of steel and powder coated.



Rotary die rack RWC1 SINGLE



Rotary die rack RWC2 DUET



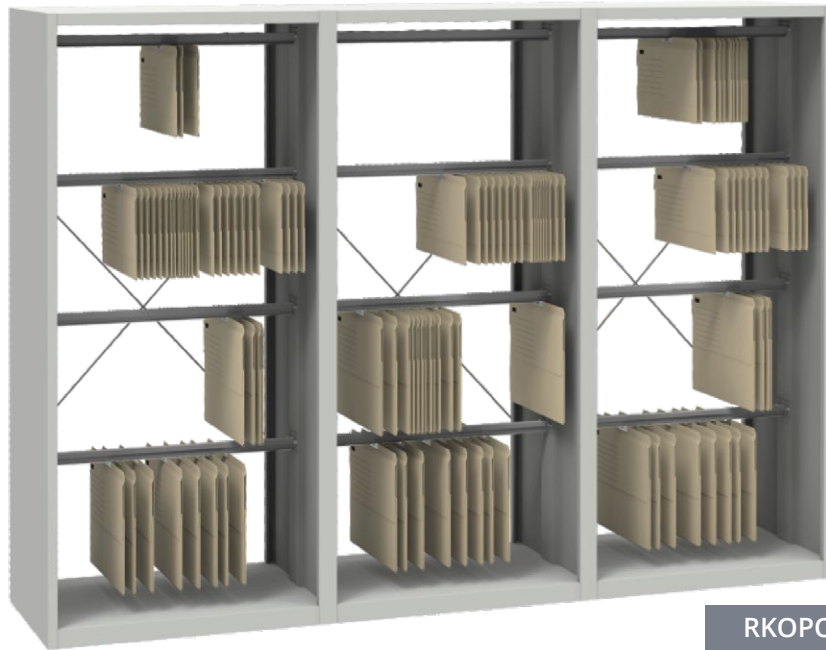
Rotary die trolley

## ROTARY DIE RACKS RWC

Product	WxDxH
<b>RWC1/20</b>	400x2500x2300
<b>RWC2/40</b>	700x2500x2300
<b>RWC WH</b>	hooks

# PHOTOPOLYMER CABINETS AND RACKS

Cabinets and racks for photopolymers are designed for storing photopolymer sheets in hanging Lettero envelopes or any other envelopes attached to the versatile lettero envelope holder.



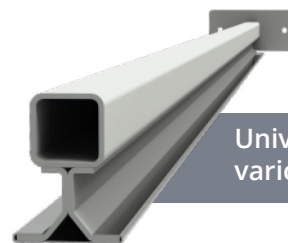
RKOPO



RKOP

## PHOTOPOLYMER CABINETS AND RACKS

Product	WxDxH
<b>RKOP</b>	1000/1200x650x1980/2480
<b>RKOPO</b>	1000/1200x650x1980/2480



Universal rail for various envelope hangers



WKOP

## MOBILE RACKS

Mobile rack – hanger for envelopes - used for transporting and temporarily storing photopolymer sheets in Lettero envelopes or any other envelopes attached to the versatile lettero envelope holder. The load capacity of the standard bar is 100kg (for lengths 100, 120, 150cm). of the A reinforced construction bar with higher load capacity is also available.

### MOBILE RACK WKOP

Product	WxDxH
<b>WKOP</b>	1000x600x1350

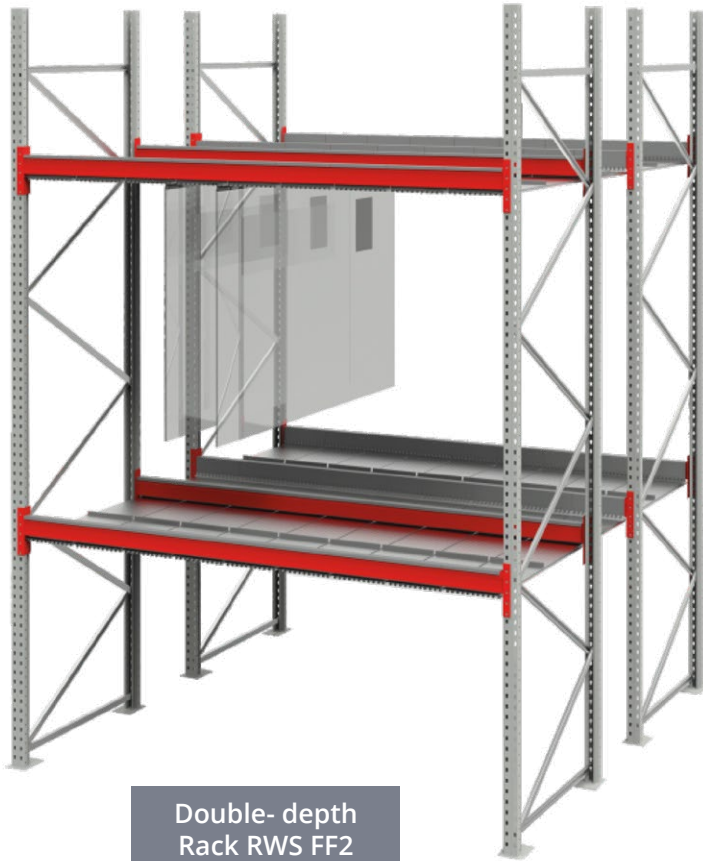
### PHOTOPOLIMER ENVELOPES

<b>Envelope</b>	27,5 X 43,5 cm
<b>Envelope</b>	39 X 49,5 cm
<b>Envelope</b>	44 X 56,5 cm
<b>Envelope</b>	48,5 X 57 cm
<b>Envelope</b>	57 X 69,5 cm
<b>Envelope</b>	64 X 79,5 cm
<b>Envelope</b>	84 X 110 cm

# PHOTOPOLYMER STORAGE SYSTEM

## RWS FF

The Photopolymer Storage System is used to store photopolymer forms. RWS FF consists of a supporting structure and hangers mounted to the traverse of the rack with slings. The panels can be bought separately and used for mounting in other supporting structures.



Double- depth Rack RWS FF2

### PHOTOPOLYMER RACKS

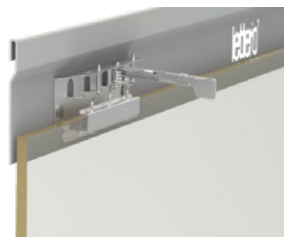
<b>Single Rack</b>	2 storage levels: 1373/2723 mm
Supporting frame	H-3600 mm, G-1100 mm /1200 mm
Traverse	L-2700 mm - 3 pallet spaces
Weight limit	1300 kg
Traverse	L-3600 mm - 4 pallet spaces
Traverse's profile	closed profile 80 x 40 mm

<b>Double-depth Rack</b>	3 storage levels: 1373/2723/4073 mm
Supporting frame	H 4200 mm, G 2600 mm/2800 mm*
Height of Frame	H-3600 mm, G-1100mm/1200 mm
Connector	L= 400 mm
Traverse	L-2700 mm - 3 pallet spaces
Weight limit	1300 kg
Traverse	L-3600 mm - 4 pallet spaces
Traverse's profile	closed profile 80 x 40 mm

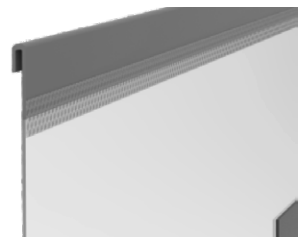
**Important:** on typical high storage shelves modular hanger rails with a width of 30 cm and capacity of 15 or 20 pieces of photopolymers are fixed.

**IMPORTANT:** All racks and carts for envelopes with photopolymers are equipped with the shown types of hanger panels.

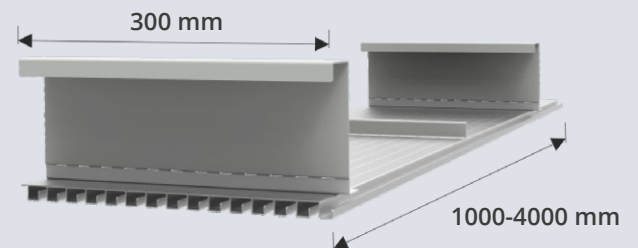
Lettero Panel hanger's guides fit into most of the photopolymer mounting rails on the market.



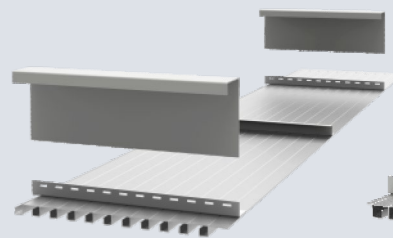
Lettero mounting rail



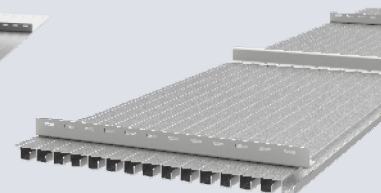
Standard mounting rail



Hanging panel PW 15



Hanging panel with guide rails



Stand- alone hanging panel

### HANGING PANELS

product	no. of rails	distance between rails	width
<b>PW 15</b>	15 rails	20 mm	300 mm
<b>PW 20</b>	20 rails	15 mm	300 mm

# PHOTOPOLYMER STORAGE SYSTEM - **RFF**

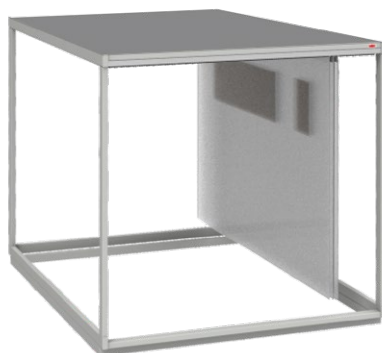
The Photopolymer Storage System RFF is designed for storing photopolymer forms mounted on hanger bars.

Racks with a capacity of 75-100 photopolymers are produced in two versions:

**RFFO racks** - open rack

**RFFZ rack** - closed rack with sliding doors

Openings and bolts within the frame enable stable stacking of racks. RFF racks are made of steel and powder coated.



RFFO 1 WxDxH:  
1600x2000x1500 mm



RFFZ 1 WxDxH:  
1600x2000x1500 mm



RFFO 2 WxDxH:  
1600x2000x3000 mm



RFFZ 2 WxDxH:  
1600x2000x3000 mm

# PHOTOPOLYMER TROLLEY-HANGER **WFF**

Photopolymer Trolley-Hanger WFF is a mobile device for storing and transporting photopolymer forms. WFF is produced in two versions:

**WFF 30** with a capacity of 30 forms

**WFF 60** with a capacity of 60 forms

WFF 60 is equipped with additional handles to facilitate maneuvering and protecting the forms from being accidentally pulled out of the hanger rails. Trolley-Hangers are made of steel and powder coated.



WFF 30



WFF 60



Guide rails  
for printing forms

## PHOTOPOLYMER TROLLEY-HANGERS

Product	WxDxH
<b>WFF 30 (30 forms)</b>	650x2000x1600
<b>WFF 60 (60 forms)</b>	1000x2000x1600
<b>Maximum form size</b>	1300x2000

The dimension of the trolley can be adjusted to individual needs.

# DRAWER CABINETS AND DRAWER MODULES

Storage drawers and drawer modules are cabinets designed for storing large-format documentation.

The drawer cabinets are manufactured as standard in five formats - **B2, A1, B1, A0, B0** and in design versions with capacities of **10, 16, 5 or 8 drawers**.

The cabinets feature a central lock and are mounted on plinths with a standard height of 50 mm. The drawers module allows to create drawer sets of different heights and to mount the modules in other Lettero devices. Bolts and centering holes enable the creation of stable, stacked drawer sets with a height adapted to local conditions.

The cabinets are made of powder coated steel and equipped with a laminated board top.



SS B1/8/5X2



SS B1/5



SS A0/8



SZ-A0/10



SZ-A0/16

## DRAWER CABINETS SZ

Symbol	WxDxH	Drawer size	Drawers
<b>SZ-B2/10(16)</b>	90x60x85	79x56	10/16
<b>SZ-A1/10(16)</b>	101x72x85	90x68	10/16
<b>SZ-B1/10(16)</b>	120x82x85	109x78	10/16
<b>SZ-A0/10(16)</b>	151x94x85	140x90	10/16
<b>SZ-B0/10(16)</b>	161x110x85	150x106	10/16

## DRAWER CMODULES SS

Symbol	WxDxH	Drawer size	Drawers
<b>SS-B2/5(8)</b>	90x60x42,2	79x56	5/8
<b>SS-A1/5(8)</b>	101x72x42,2	90x68	5/8
<b>SS-B1/5(8)</b>	120x82x42,2	109x78	5/8
<b>SS-A0/5(8)</b>	151x94x42,2	140x90	5/8
<b>SS-B0/5(8)</b>	161x110x42,2	150x106	5/8

# FLEXOGRAPHIC SLEEVE RACKS

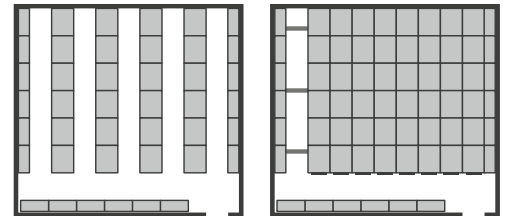
Racks for flexographic sleeves allow to increase storage capacity by minimizing the space for communication.



RJM/RF manually control sleeve movable shelving system



RJS/RF stationary sleeve shelving system



100%

172%

The use of movable shelving significantly increases archive capacity

RJE/RF sleeve movable shelving system with electric driver



# FLEXOGRAPHIC SLEEVE TROLLEYS

WRF trolleys are used for transport and temporary storage of flexographic sleeves close to the printing machine.



WRF 6



WRF 8



WRF 10

Printing sleeves require special handling, which is why we have developed a system for their storage and transport. Suitable rack and trolley holders prevent mechanical damage and deformation of the printing sleeves.

The equipment can be adapted to suit the requirements of each customer.

## FLEXOGRAPHIC SLEEVE TROLLEY

Product	W x D x H
WRF 6 (6 sleeves)	500x750x1400
WRF 8 (8 sleeves)	500x950x1400
WRF 10 (10 sleeves)	500x1150x1400

# CYLINDER CABINETS AND RACKS

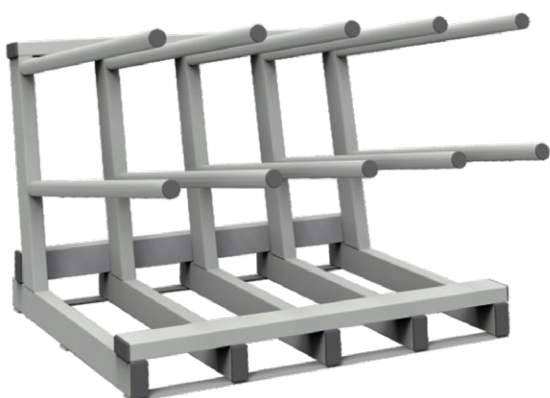
In many spaces more than just printing houses, it is necessary to store various elements, materials, machine parts and tools which are cylindrical. For this purpose, mobile roller cabinets with shutter doors are equipped with adjustable suspension pins fastened to adjustable carrying rails.



## CYLINDER CABINETS AND RACKS

Width	1000/1200
Height	1980/2480
Depth	550/650/1200

It is possible to adapt the racks to individual customer need.



Stationary racks can be transported using forklifts.  
Standard dimensions (WxDxH) 1265x1250x1040 mm.



Mobile  
Roller  
Rack

# BUCKET WASHERS



Automatic bucket washer

The automatic BWA washer is used for precise washing of buckets and other containers with a circular basis. Washing takes place in a sealed cabin with three independently driven brushes with the option of dispensing ecological detergents.

The device operates automatically, according to several programs selected depending on the level of soil of containers. The body of the washer is made of powder-coated metal sheet and the cabin of stainless steel (inox).

Max. diameter of the container	375 mm
Max. height of container	600 mm
Voltage	380V
Type of soil	water paint
Washing cycle	determined individually
Washing fluid dispenser	5 litrów
Engine power	1,5 KW
Width (W)	800 mm
Depth (D)	1450 mm
Height (H)	1480 mm
Weight	450 kg

An alternative (and economic) solution for washing buckets and containers is the **manual washer STMW**.

Washer STMW has a sink with a removable worktop and side shields, a base with lockers with adjustable shelves, and a battery with adjustable water jets.

**Dimensions WxDxH:**

2000x650x850 mm



Manual bucket washer