

Storage systems for:

- ▶ Ceramic Anilox - Sleeves and Rollers
- ▶ Chrome - Sleeves and Rollers
- ▶ Sleeves & Adapters
- ▶ Flexo plates
- ▶ Film Reels
- ▶ Paper Reels



In cooperation with its technology partner MSC I, **Ulmex** designs and builds **advanced warehouse systems** including structure and management software **for storing Anilox, Sleeve, Adapter Carrier, Flexo plates, Film reels, Paper rolls**. The main and winning feature of our offering is to **design the warehouse according to the customer's available space and production area**.

Each of our solutions is customized according to the needs of the printer or converter. The warehouse can be developed vertically or horizontally, and for those who do not have enough space, we can build insulated, insulated and air-conditioned outdoor warehouses connected to the production area.



Different geometric constructions available

- ▶ Frames can be realised both vertically and horizontally.

Customised software

- ▶ The software is developed in-house by our technology partner MSC I, which is also able to realise customised software adaptations based on customer requirements.

Advanced automation

- ▶ In addition to automated warehouses, we also create guided tracks with automated trolleys that take the contents from the warehouse directly to the printing press.

Suitable for

- ▶ Both horizontal and vertical positioning. No weight limits.

Several of our smart warehouse solutions:

Rotogravure and Flexo Rollers

- ▶ Number of sleeves and rollers to be stored: from **100** to **5000**
- ▶ Length of sleeves and rollers: from **600** up to **4000 mm**
- ▶ Inner diameter of sleeve anilox: from **80mm** to **200mm**
- ▶ Outer diameter of sleeves and rollers: from **300** to **1200mm**
- ▶ Suitable for sleeves and rollers, both ceramics and chrome



Flexo Sleeves, Adapters and Anilox storage

- ▶ Horizontal warehouse with pneumatic tool to lift sleeves, adapters and Anilox and bring them to the collection trolley
- ▶ Fully automatic



Flexo plates storage

- ▶ Unlimited storage capacity depending on the space available
- ▶ Storage of Flexo Plates in plastic box
- ▶ Rack with integrated gripper robot
- ▶ The box arrives directly in the picking area
- ▶ The operator only has to select the location of the Flexo plate through a touch panel



Storage System with Racks: modular, floor-mounted system to store sleeves, adapters and anilox

The **Ulmex** modular system consists of robust modules fixed to the floor, which have the function of a load-bearing structure, on the sides, and movable modules inside. Modular, expandable over time and highly adaptable, it enables fast and safe management of the entire stock of sleeves, carriers and anilox. Quick and easy to install, Ulmex Storage System guarantees the reduction of space utilization thanks to the products storage on two or three levels in each module and the correct vertical storage of the sleeves, avoiding possible deformations (ovalisation) due to long-term storage in a horizontal position or damage caused by accidental contact or falls.

Ulmex provides specific advice, with renderings of the structure, module layout, planning and detailed disposition of sleeves, adapters and anilox. The specific distribution is calculated on the basis of the outside diameters and lengths of the sleeves, adapters and anilox.

Horizontal or vertical sleeve, adapter and anilox trolleys

Designed and manufactured to allow the correct sleeve handling through the entire production process: from the pick-up from the storage, to the preparation and assembly of the plate, up to the installation in the printing machine. We have three types of trolleys designed for the greatest flexibility and comfort in handling. Flat Jolly trolley, Y-trolley, Gateway Trolley.

The positioning of the sleeve on the trolley is stabilized by plastic inserts. Solid electro-welded steel structure, painted and customized according to the customer's requirements: number and sizes of sleeves.

