



**WASHING  
UNITS**

# LVA

## HIGH-PRESSURE CLEANING FOR ANILOX AND SLEEVES



**Detergent  
and water**



**Touch Screen  
& PLC**



**Deep  
cleaning**



Designed to guarantee **excellent results without compromise**, the LVA series machines are fully automatic systems for deep cleaning of anilox rolls and sleeves from **water-based, solvent-based, UV and EB inks**. They use a PLC-controlled process with touch screen and customizable recipes for **effective, gentle and repeatable** washing, even on **high linearity** aniloxes.

Model	Maximum usable size (mm)	Ø (mm)	Maximum weight (kg)
LVA 1000	950	75 - 230	170
LVA 1800	1.650	75 - 230	250
LVA 1800 - 2	2 x 1.650	75 - 230	500
LVA 2500	2.500	75 - 230	250
LVA 3000	3.000	75 - 230	300

### Stainless steel construction, easy to disinfect

All parts in contact with liquids are made of stainless steel or materials compatible with the most common industrial detergents. This choice guarantees **high chemical resistance** and easy disinfection, **which is essential in production environments that require cleanliness and hygiene**.

### Low operating and maintenance costs

Thanks to the **detergent recovery system** and the option of adding a rinse water recirculation system, the machine offers considerable operational savings. Routine maintenance is quick and easy: the filters are easily accessible and replaceable, and the entire structure is designed to withstand intensive use over time.

### Fully automatic cycle

The washing process is divided into four **fully automated** phases, managed by a PLC with an intuitive touchscreen interface. The machine is ready to use simply insert the anilox into the washing area, select a recipe and start the cycle. This approach **simplifies operations** and **minimizes the margin for human error**, while ensuring consistent quality results.

### Thorough and delicate cleaning of cells

The LVA system is designed to ensure complete ink removal, even in the finest cells, without affecting their geometry or causing wear. The combined action of the **chemical detergent** and **high-pressure rinsing** provides thorough, non-aggressive cleaning, maintaining the printing performance of the anilox rolls over time.

## PROCESS PHASES

- **Application of detergent:** specific liquid, possibly heated to 65°C, distributed evenly and with continuous filtration.
- **Detergent action time:** the product acts in depth while the anilox rotates, optimizing the **dissolution of inks**. The detergent is collected and recovered for reuse.
- **High-pressure rinsing:** water at **80-110 bar** thoroughly removes dissolved residues, even from very fine cells. Adjustable service life and possibility of recirculation and filtration (optional).
- **Automatic drying:** compressed air nozzles **quickly dry** the anilox and the inside of the machine, preventing dripping.