

# Plate Washing

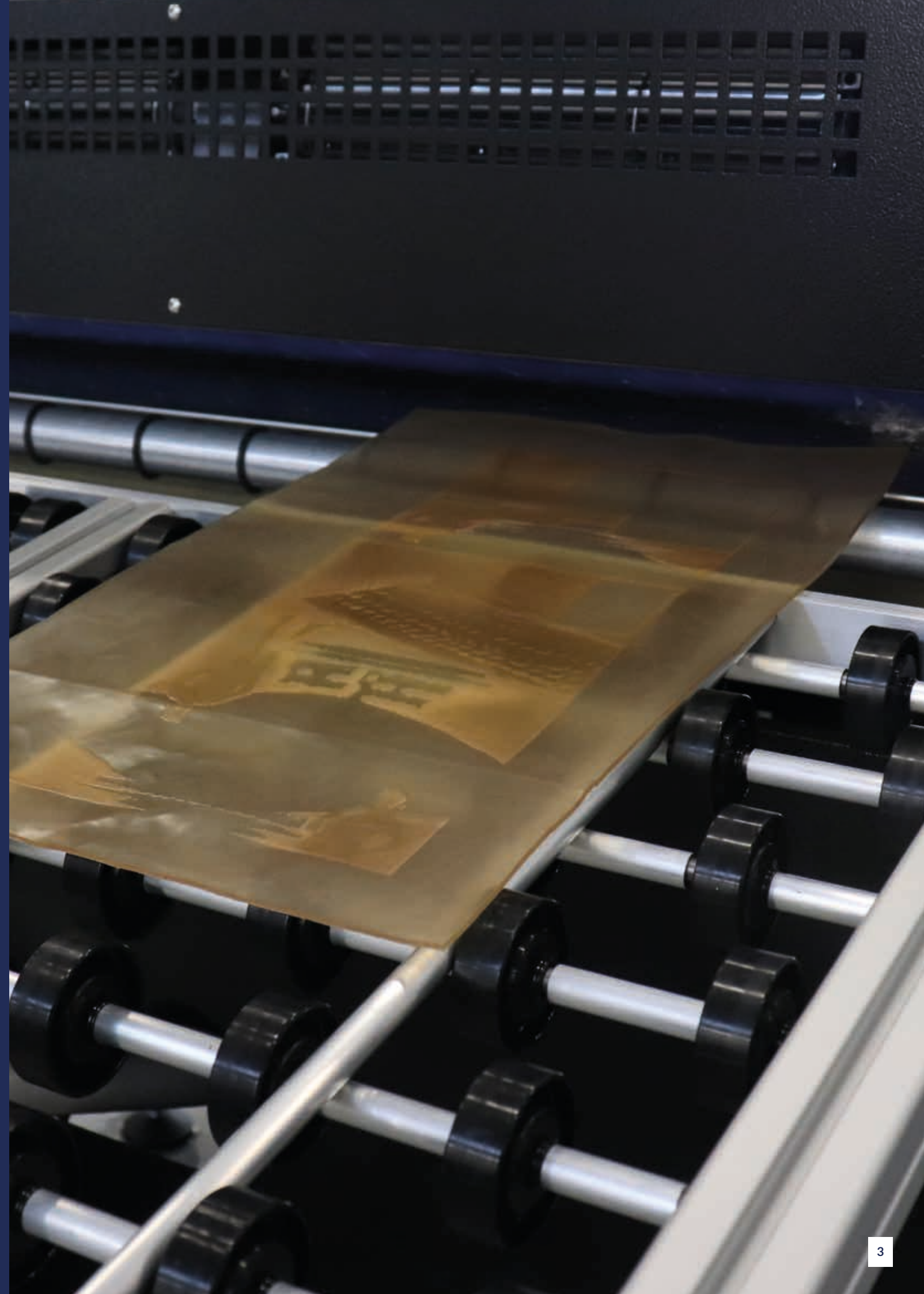
Label Industry

# Plate Washing

Damaged plates due to improper cleaning is an expensive and critical factor in the printing industry. Cleaning plates properly and in a gentle and safe way is essential. With unclean or broken plates you will have quality issues with your print.

## Our Solution

- Designed to clean all types of inks.
- Belt conveyor for easy loading of plates.
- Clean and dry plates after a few minutes.
- Controlled by a microprocessor and it can easily change various settings.





# Plate Washing

## The Flexo Wash Way

The fully automatic Plate Washers are designed to wash flexographic polymer plates and letterpress plates very gently, leaving them 100% clean and dry; ready for immediate reuse. The system has a Wash & Rinse two-stage cleaning process, where the first stage is for cleaning and the second stage is for rinsing. The machines are made of stainless steel and other highly resistant quality material, which ensures a long lifetime of the product and a very low degree of maintenance.

# Plate Washing

## How does it work?

After the print job, all plates are placed on the conveyor belt, which automatically takes them through the entire wash process. Using the eco-friendly cleaning liquids from Flexo Wash, the Plate Washers are specially developed to efficiently remove different types of inks from the plates in only a few minutes.

### Washing

Easy loading of the plate by the conveyor belt. Cleaning liquid is sprayed on to the plate.  
Gentle washing and cleaning of the plate by oscillating soft brushes.



### Draining

Continuous draining ensures the reuse of liquid.



### Rinsing

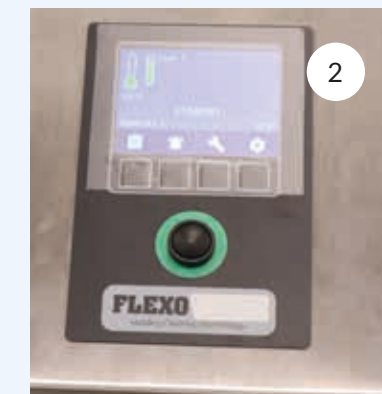
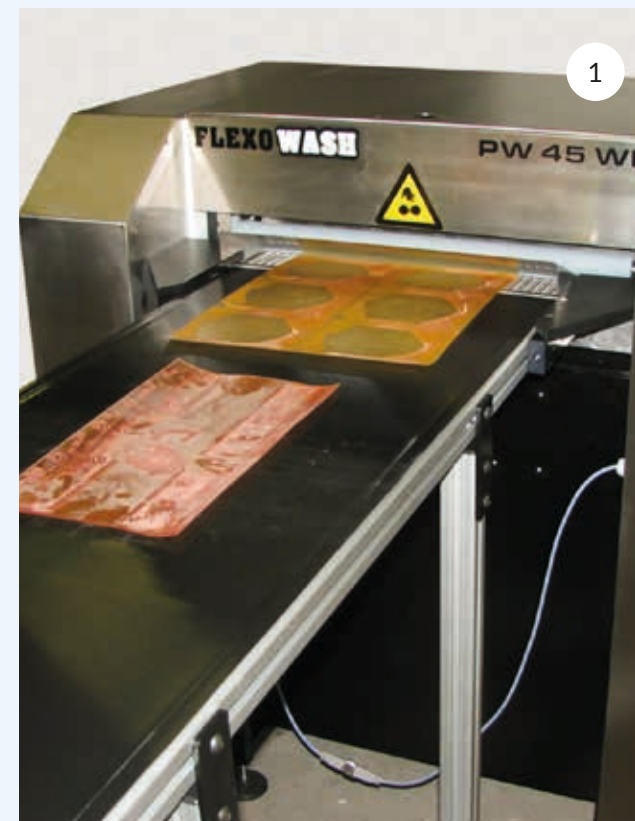
The rinsing of the plate is done by water to remove the remaining ink and cleaning liquid residues.  
WRO version: Fresh water  
WR version: Water from the closed-loop wash tank



### Drying

After the rinsing process, the plates are dried in two steps:

- Sponge roll
- Warm air knife



1. The inlet table transports the plate into the cleaning unit, making it possible to prepare several plates for cleaning at once.
2. The PW unit is controlled by a micro control from where different cleaning time, temperature, etc. can be managed.
3. The outlet tray collects the clean plates. The plates are dry when leaving the machine which makes it possible to collect several plates in the tray without them sticking together.
4. The washing unit can also be made with an outlet roller conveyor for unloading.



# Plate Washing

## Which machine should I choose?

We supply plate washing equipment in all sizes for all segments of the labels and flexo industries. The Flexo Wash plate washers come in many different models which each can be modified by combining the standard unit with one or more of the various options. Our range of models cover plate widths from 45 cm up to 130 cm.

- All units are available as both:
- WRO-version: Fresh water
  - WR-version: Water from the closed-loop wash tank

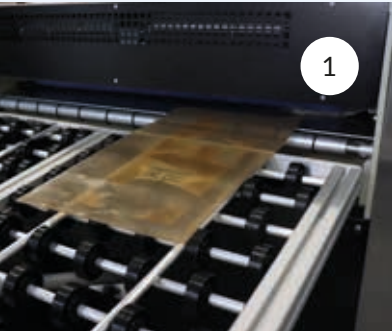
For cleaning of laser engraved plates after engraving Flexo Wash also supplies special DLE Plate Washers, which gently remove the dust from the engraving without damaging the plate. A special filtration system is made to handle large quantities of engraving dust.

	Max. plate width	Min. plate length	WR	WRO	DLE
PW 45	450 mm (17.7")	140 mm (5.5")	X	X	-
PW 62	620 mm (32.2")	220 mm (8.7")	X	X	-
PW 82	820 mm (32.2")	220 mm (8.7")	X	X	-
PW 92	920 mm (36.2")	220 mm (8.7")	X	X	X



### Options and Accessories

- Table for unloading of plates
- Sponge roll holder
- Extended inlet conveyor belt
- Extra tank capacity
- DLE version (only PW 92)



1: Instead of a tray you can add a table for unloading of plates. 2: Sponge roll holder for easy and safe storage of the sponge preventing it from drying out when not used over a longer period of time, 3: With the DLE version you can clean laser engraved plates.

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