



PRODUCT CATALOGUE

PLATE WASHING

PW WR & WRO-series



FLEXO WASH
Leading Cleaning Solutions

GENTLE CLEANING OF PLATES

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.

ECO-FRIENDLY CLEANING LIQUIDS

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 the different types of inks from the plates in only a few minutes.

LONG LIFETIME & LOW MAINTENANCE

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.

TAKE CARE OF YOUR PLATES

- 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.

PW 45-92

PW 45

- Max plate width:
450 mm (17.7")

PW 62

- Max plate width:
620 mm (24.4")

PW 82

- Max plate width:
820 mm (32.3")

PW 92

- Max plate width:
920 mm (36.2")



HOW DOES IT WORK?

EFFICIENT WASHING PROCESS

The Plate Washers from Flexo Wash have a Wash & Rinse two-stage cleaning process, where the first stage is for cleaning and the second stage is for rinsing.

OPTIONS AND ACCESSORIES

- Table for unloading of plates.
- Extended inlet conveyor belt
- Extra tank capacity

WASHING

Easy loading of the plate by the conveyer belt. Cleaning liquid is sprayed on to the plate.

Gentle washing and cleaning of the plate by oscillating soft brushes.

Cleaning liquids are re-circulated and drained back to the tank for re-use.



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



MACHINE DETAILS

MICROPROCESSOR CONTROL

Enables easy change of the various settings as e.g. washing time, speed and liquid temperature.

PUMPS

The unit has one pump for washing and one for high pressure rinsing.

FILTER

An easy changable filter is place in the wash tank. A similar filter is also placed in the rinse water tank for improvement of water quality.

TANKS

The unit has one tank for cleaning liquid. The cleaning liquid tank is placed next to the wash unit and it has a built in heating element. Liquid can easily be filled in the tanks. The tank has a valve in the bottom, which makes it easy to empty the tank.

PW 45-92 WR units also have one tank for rinse water.

LIQUID LEVEL SENSOR

Ensures that enough liquid is in the tank before it is heated.

BRUSHES

Special combination of soft and medium hard oscillating brushes for cleaning of the plates.

SPONGE ROLL

Sponge roll removes excess water before final drying by hot air knife.

CONVEYOR BELT

Speed adjustable conveyer belt for feeding the plates.

RINSE WATER

Disposal of liquid waste and rinse water must be in accordance with local rules and authorities. It is the customers responsibility to ensure that any disposals are approved by all the required local authorities.

MACHINE DETAILS

CLEANING LIQUID

The PW 45-92 Plate Washer works with the following cleaning liquids:

Combination of water and UV based inks:

- FW UV/Aqua Cleaner 2: This liquid is for water and UV based inks.

Combination of water and solvent based inks:

This combination requires prior testing of the specific inks.

CONSUMPTION DATA PW 45-92 PLATE WASHERS (per wash)

Electricity: Approx. 0,25 -0,5 kWh.

Water: Approx. 0,1 -0,3 l/min during rinsing (Depending on machine size and type)

Liquid: Approx. 0,05 l. per m² plate

CUSTOMER FEEDBACK

Automatic cleaning equipment saves money for Thai company Trisan. To cope with the extra production capacity and the higher quality labels now being produced by its 50 employees, the company decided to invest in Flexo Wash cleaning equipment.

AUTOMATION IS IMPORTANT

“Automation is important in a competitive market and that is one of the reasons why we invested in cleaning equipment.

We need the same output but faster,” said Mr Piyapong Wongvorakul, Managing Director at Trisan.

Currently, Trisan has a 20-30 minute change over time, but the target is 10 minutes, and one way to get there is knowing that the aniloxes, plates, and parts are 100% clean.

“Previously 12-15 plates were damaged each week, this figure is now one or two, and those are not caused by cleaning.



”For us, it is clear proof that automation is the way to go.

REDUCTION IN DAMAGED PLATES

The first Flexo Wash cleaning system at Trisan was an anilox cleaner. And when Trisan saw the need for a Plate Washer, it invested in more Flexo Wash technology.

“Since installing the Plate Washer we have seen a reduction in damaged plates, which has been a huge cost saving. Where previously 12-15 plates were damaged each week, this figure is now one or two, and those are not caused by cleaning,” continued Mr Wongvorakul.

”For us, it is clear proof that automation is the way to go,” he concluded.