



PRODUCT CATALOGUE

ANILOX CLEANING

FW 992-, FW 2000-2500M- & FW 2000-4500-series



FLEXO WASH

Leading Cleaning Solutions

DAILY DEEP CLEANING OF YOUR ANILOXES

The fully automatic anilox roll cleaners are designed to deep clean/restore anilox rolls or sleeves of all sizes. In other words, it is also a very good tool for the daily washing and maintenance of aniloxes.

QUICK & GENTLE CLEANING PROCESS

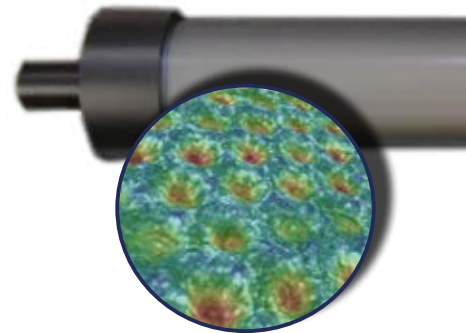
The Flexo Wash system is based on liquid and high-pressure water. Therefore, the system is effective even for high-line aniloxes. The quick and gentle cleaning process leaves the aniloxes totally clean and ready for immediate use after just 10-20 minutes cleaning without causing any wear or tear to the anilox.

ENSURES HIGH & CONSISTENT PRINT QUALITY

This makes it possible to keep your aniloxes totally clean at all times ensuring a high and consistent print quality and a long lifetime of the aniloxes.

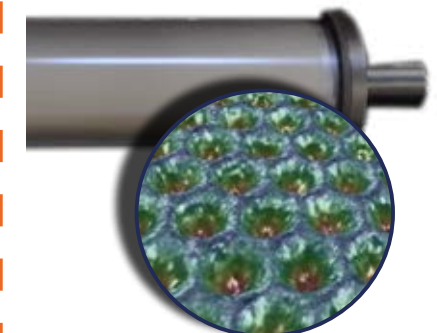
BEFORE WASH

Completely clogged cells



AFTER WASH

Full cell volume recovery



TAKE CARE OF YOUR ANILOXES

- Clean the anilox after each job
- Keep a regular maintenance schedule on the aniloxes
- Clean the anilox immediately after removal from the press and before storage
- Keep new aniloxes clean from day one

HOW DOES IT WORK?

ECO-FRIENDLY CLEANING

The FW Anilox Cleaners work with environmentally friendly cleaning liquid, which is specially made for deep cleaning of aniloxes used with all types of ink.

The water from the high-pressure rinse is automatically led directly to the drain, to a tank for re-use or to one of our water treatment units.

OPTIONS AND ACCESSORIES

- Double tank system for 2nd cleaning liquid.
- Drain tank for re-use of rinse water.
- Automatic liquid filling system.
- Extra traction system for cleaning extra anilox
- Servo driven traction system
- Stationary sleeve holders
- Adaptor for sleeves.
- Gear Covers

WASHING

The anilox rotates while heated liquid is sprayed onto the surface and enables easy removal of the ink from the anilox cells.

Average washing time is 5-20 minutes.

DRAINING

After the washing cycle the liquid is drained back to the wash tank.

Drain time is 2-3 minutes.

RINSING

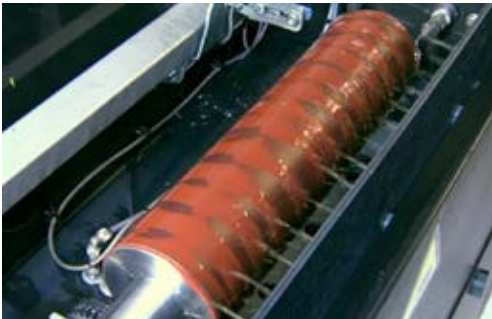
High pressure adjustable water nozzles complete the cleaning process and removes any remaining ink particles and cleaning liquid.

Rinse cycle is approx. 2-3 minutes.

DRYING

High pressure adjustable water nozzles complete the cleaning process and removes any remaining ink particles and cleaning liquid.

Duration is 1-3 minutes, depending on roll length.



.NXT GENERATION

NEW GENERATION OF ANILOX CLEANERS

Flexo Wash presents a new generation of anilox cleaning machines. All units are produced with the .NXT features which all means easier handling, improved technology & focus on less liquid consumption and sustainable solutions.

FOCUS ON EASY HANDLING & SUSTAINABILITY

The .NXT units takes Flexo Wash innovations into the 2020's, where we increasingly will be focusing on easy handling and sustainability.

FW 992 XL .NXT

- 2 aniloxes per wash
- Microprocessor control system
- Max diameter:
210 mm (8.2")
- Max cleaning length:
1600 mm (63")
- Max weight per anilox:
25 kg (55.1lbs)

FW 2000M .NXT

- 1 anilox per wash
- Microprocessor control system
- Max diameter:
230 mm (9")
- Max cleaning length:
1700 mm (67")
- Max weight per anilox:
200 kg (440lbs)

FW 2500M .NXT

- 1 anilox per wash
- Microprocessor control system
- Max diameter:
230 mm (9")
- Max cleaning length:
2200 mm (86.6")
- Max weight per anilox:
200 kg (440lbs)



Use together with
Recirculation Unit



.NXT FEATURES

ENRICHED WITH NEW FEATURES

The machines has inherited all the qualities of the original FW 992 XL, FW 2000M & FW 2500M, but has been enriched with the .NXT features.



Easy and improved pull-out tank



Improved lid design



Better and faster draining



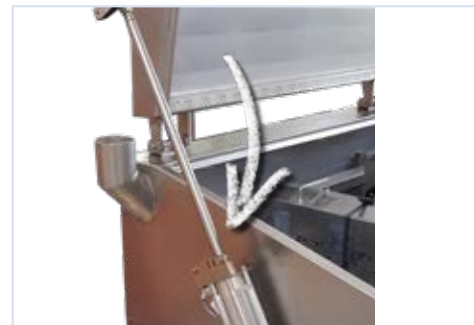
Liquid filling & emptying system



Liquid level indicator



Inclination of tub for less liquid carry-over



Automatic lid opening



Easy adjustment

ANILOX CLEANERS FOR ALL NEEDS

WIDE RANGE OF MODELS

The Flexo Wash Anilox Cleaners comes in many different models which each can be modified by combining the standard unit with one or more of the various models.

We have been leading experts in anilox cleaning for 25 years and our large portfolio of units and options reflects the flexibility needed to meet all needs of the flexographic industry.

PLC CONTROLLED MACHINES

All larger FW Anilox Cleaners are equipped with a PLC control, which enables easy change of the various program settings e.g. washing time, rotation speed and temperature. It is also possible to enter an alarm log.

FW 3000-4000

The FW 3000-4500 Anilox Cleaners are designed to clean larger and heavier rolls and sleeves. They can all be adapted to fit your specific needs by for example adding an extra traction system to clean more aniloxes per wash, an adaptor to clean sleeves safely or reinforcing the machine to clean even heavier rolls.

FW 2000-2 & 3000-2

With a deeper width the FW 2000-2 & 3000-2 Anilox Cleaners are designed to clean two larger aniloxes per wash. By adding an extra traction system these units can wash as many as four aniloxes per wash.

FW 3000-4500

- 1 anilox per wash*
- PLC controlled
- Max diameter:
300 mm (11.8")
- Max cleaning length:
FW 3000: 2400 mm (94.5")
FW 3500: 2900 mm (114.2")
FW 4000: 3400 mm (133.9")
FW 4500: 3900 mm (153.5")
- Max weight per anilox:
600 kg (1 323 lbs)/800 kg (1763.7lbs)**

FW 2000-2 & 3000-2

- 2 aniloxes per wash**
- PLC controlled
- Max diameter:
300 mm (11.8")
- Max cleaning length:
FW 2000-2: 1400 mm (55.1")
FW 3000-2: 2400 mm (94.5")
- Max weight per anilox:
600 kg (1 323 lbs)/800 kg (1763.7lbs)**



* Clean up to two aniloxes per wash with option.

** Clean up to four aniloxes per wash with option.

*** Requires option.

...AND ALL ANILOX SIZES

NEED MORE? GO XL!

The FW 3000-4500 XL models are designed to hold an even larger diameter than the FW 3000-4000 standard units. Same options for extra traction systems, sleeve adaptors and heavier rolls among various other options.

DESIGNED FOR ANILOXES SLEEVES

The FW 3500 SideLoad Anilox Cleaner is a unit especially designed for easy handling and cleaning of large anilox sleeves.

NO EXTRA HANDLING

The easy loading system from the side of the unit instead of the top like the other FW anilox cleaners make it possible to take the sleeve directly from the press to the washing machine without extra handling/lifting of the sleeve.

MINIMIZING THE RISK OF DAMAGE

The mandrel inside the washing machine is levelled with the sleeve trolley and secure the sleeve to easily be slid into place, thus minimizing handling and the risk of damage.

FW 3000 XL-4500 XL

- 1 anilox per wash
- PLC controlled
- Max diameter:
450 mm (17.7")
- Max cleaning length:
FW 3000 XL: 2400 mm (94.5")
FW 3500 XL: 2900 mm (114.2")
FW 4000 XL: 3400 mm (133.9")
FW 4500 XL: 3900 mm (153.5")
- Max weight per anilox:
800 kg (1763.7lbs)/1500 kg (3307lbs)*



FW 3500 SIDELOAD

- 1 anilox sleeve per wash
- PLC controlled
- Max diameter:
300 mm (11.8")
- Max cleaning length:
3040 mm (119.7")
- Max weight per anilox:
180 kg (397lbs)



* Requires option. Heavier Roll can be cleaned on request.

MACHINE DETAILS

MICROPROCESSOR CONTROL (only FW 992- & FW 2000-2500M-series)

Enables easy change various settings as e.g. washing time, rotation speed and temperature. The washing programs have been pre-programmed according to the following standard setting:

- Program 1: Washing time 5 minutes, drain 3 minutes, rinse 1 cycle and drying 1 cycle
- Program 2: Washing time 10 minutes, drain 3 minutes, rinse 1 cycle and drying 1 cycle
- Program 3: Washing time 15 minutes, drain 3 minutes, rinse 1 cycle and drying 1 cycle

The settings are password protected - but can be changed.

PLC CONTROL (only FW 2000-4500-series)

Enables easy change the various program settings e.g. washing time, rotation speed and temperature. It is also possible to enter an alarm log.

PUMPS

One diaphragm pump for spraying of cleaning liquid and another high-pressure pump for high-pressure rinse water.

FILTER

The 50 microns-filter for collection of the ink particles gives a longer lifetime of the cleaning liquid. It is accessible from the front and can easily be changed or cleaned. Should normally be changed once a month or after approx. 100 wash cycles.

NOZZLES

Two types of nozzles are installed: air nozzles made of PWDF and high pressure nozzles made of stainless steel.

TANK

One tank for cleaning liquid (optional two tanks) is located under the washing unit and it has a built-in heating element. Cleaning liquid can easily be filled into the tank through the filling funnel and furthermore the tank has a valve in the bottom, which makes it easier to empty it.

LIQUID LEVEL

The tank has a transparent tube to visualise the liquid level and a high level switch. // [.NXT-units](#): The liquid level can be read directly from the control panel (display).

SENSORS

Three sensors determine the route of the slide in proportion to the length of the roll.

MACHINE DETAILS

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.

ALARMS

Filter alarm, service alarms, level alarms and other relevant proces dependent alarms.

TRACTION STATIONS

The anilox is placed on the electrically driven traction stations in the machine, which are adjustable according to the length of the roll.

.NXT-units:

The special handle placed on the traction stations makes this an easy part of the handling with no tools needed.

EXHAUST

When the unit is connected to your ventilation system, the exhaust can be connected to the Microprocessor or PLC control system - thus opening and closing automatically.

CLEANING LIQUID

For all ink types, Flexo Wash recommends one of the following cleaning liquids:

- FW Anilox + Cleaner. (Mixing rate 1:1 with water)
- FW Anilox + Deep Cleaner 3S

These liquids are non-polluting, alkaline cleaning liquid, which makes the ink in the cells crack for subsequent removal by high-pressure water. This is a very gentle method and completely safe for all cell types. The liquid is filtered and reused.

The cleaning liquid is heated by a heating element. The temperature is visible on the display.

CONSUMPTION DATA MICROPROCESSOR MACHINES (per wash)*

Electricity: Approx. 1-1,5 kWh.

Water: Approx. 10-15 l/min during rinsing

Liquid (when mixed 1:1 with water): Approx. 0,05-0,3 l. pr. wash

CONSUMPTION DATA PLC MACHINES (per wash)*

Electricity: Approx. 1-1,5 kWh.

Water: Approx. 20 l/min

Liquid (when mixed 1:1 with water): Approx. 0,1-0,35 l. per wash

**For consumption data for the specific unit, please view the floorplan.*

CUSTOMER FEEDBACK

Company Coveris Flexibles Germany, Warburg installed in 2013 one further 10 colour flexo press. Because of this they also decided to invest in a second Anilox Roll Cleaner from Flexo Wash.

CONSISTENT QUALITY

“Because of the Anilox Roll Cleaner, the condition of our aniloxes is always consistent. It is important to always have clean aniloxes to keep the same printing quality. And that we have!”, says Ulrich Wiemers positively about the Flexo Wash FW 2000M.

When Coveris purchased their first Flexo Wash Cleaning unit 10 years ago it was due to a good relationship with and confidence in the Flexo Wash sales representatives, Dortschy GmbH & CO KG.



”

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”

We are very satisfied with the fully automatic washing principle from Flexo Wash

FULLY AUTOMATIC CLEANING PROCESS

“We are very satisfied with the fully automatic washing principle from Flexo Wash” says Ulrich Wiemers.

For him there was no doubt about which system to prefer when buying a second cleaning unit. In the Flexo Wash unit the aniloxes are at first cleaned with Eco-friendly cleaning liquid, second rinsed with high pressure water and last dried by means of air.