



# PRODUCT CATALOGUE

# ANILOX CLEANING

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*FW Handy- & FW 993-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

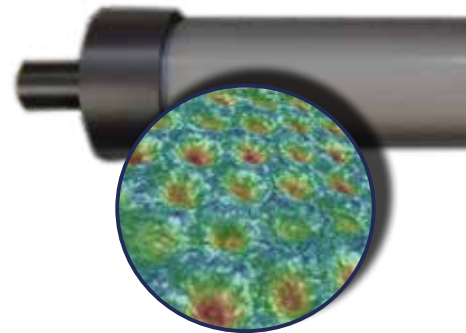
The Flexo Wash system is based on liquid and high-pressure water. Therefore, the system is effective even for high-line aniloxes. The quick and gentle cleaning process leaves the aniloxes totally clean and ready for immediate use after just 10-20 minutes cleaning without causing any wear or tear to the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

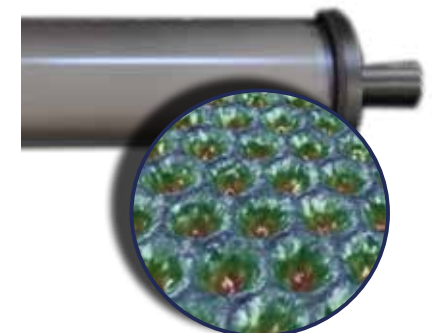
## BEFORE WASH

*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. The water consumption is only 10 litres for each roll meter.

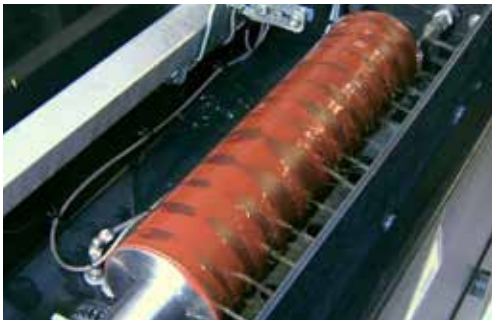
## OPTIONS AND ACCESSORIES

- Adaptor for sleeves.
- Gear Covers
- Double tank system for 2nd cleaning liquid.
- Drainage tank for re-use of rinse water.
- Wastewater treatment unit.
- Automatic liquid filling system.

## 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 air drying completes the cleaning process leaving the anilox ready for immediate use or storage.

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



# FW HANDY FAMILY

## LOW COST & FULLY AUTOMATIC

The FW Handy-product line of Anilox Cleaners from Flexo Wash are fully automatic units designed to deep clean/restore anilox rolls and print sleeves of all sizes and providing you with a very good and cost-efficient tool for the daily washing and maintenance of aniloxes etc.

## WHICH HANDY DO YOU PREFER?

The three different Handy models have been developed to serve a broad part of the label industry. Depending on your specific aniloxes you will find a FW Handy Anilox Cleaner that will fit your needs.

### FW HANDY MINI 2

- Our most economical model
- 2 aniloxes per wash
- Max diameter:  
150 mm (5.9")
- Max cleaning length:  
640 mm (25.2")
- Max weight of aniloxes:  
2 x 15kg (2 x 33 lbs)

### FW HANDY MIDI 2X2

- Our most popular anilox cleaner
- 2 or 4 aniloxes per wash
- Max diameter:  
150 mm (5.9")
- Max cleaning length:
  - 2 aniloxes: 1120 mm (44.1")
  - 4 aniloxes: 480 mm (18.9")
- Max weight of aniloxes:  
2 x 20kg / 4 x 15kg (2x44/4x33 lbs)

### FW HANDY MAXI

- For heavier and larger aniloxes
- 1 or 2 anilox per wash
- Max diameter:  
230 mm (9.1")
- Max cleaning length:
  - 1 anilox: 1120 mm (44.1")
  - 2 aniloxes: 450 mm (17.7")
- Max weight of aniloxes:  
1 x 50 kg (1 x 110 lbs)



# .NXT GENERATION



Inclination of tub



Automatic liquid filling



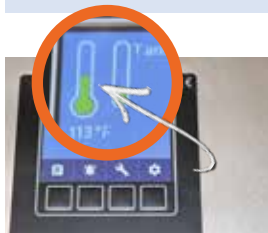
Automatic lid opening



Easy adjustment



Better and faster draining



Liquid level indicator



Easy access pull-out tank



Improved lid design

## 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 sustainable solutions.

## ENRICHED WITH NEW FEATURES

The machines has inherited all the qualities of the original FW 993 XL/XXL, but has been enriched with the .NXT features.

## 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 993 XL .NXT

- 3, 6 or 9 aniloxes per wash
- Max diameter:  
150 mm (5.9")
- Max cleaning length:  
3 aniloxes: 1600 mm (63")  
6 aniloxes: 715 mm (28.1")  
9 aniloxes: 420 mm (16.5")
- Max weight per anilox:  
15 kg (33lbs)

## FW 993 XXL .NXT

- 3, 6 or 9 aniloxes per wash
- Max diameter:  
150 mm (5.9")
- Max cleaning length:  
3 aniloxes: 2000 mm (78.7")  
6 aniloxes: 915 mm (36")  
9 aniloxes: 553 mm (27.7")
- Max weight per anilox:  
15 kg (33lbs)

# MACHINE DETAILS

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## MICROPROCESSOR CONTROL

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.

## 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

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## 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 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. 0,05-0,15 l. pr. wash

*\*For consumption data on the specific unit, please view the floorplan*

# CUSTOMER FEEDBACK

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Company Cover is 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.