

WIDE
WEB

PRODUCT CATALOGUE

ANILOX CLEANING

FW LASER Series



FLEXO WASH
Leading Cleaning Solutions

CUTTING-EDGE **LASER** TECHNOLOGY

NEWEST LASER TECHNOLOGY

The FW Laser Anilox Cleaners are developed with newest laser technology and software systems. The design is both aesthetic and highly functional with a drawer system for easy handling.

FOCUS ON FLEXIBILITY

Focus on flexibility makes it possible to clean several narrow web rolls or a combination of narrow and wide web rolls and sleeves in ONE machine with the FW 2000-3000. Most importantly it is a waste-free and sustainable cleaning method with no liquid handling or consumption.



FW 2000 Laser Anilox Cleaner





FW 850-2 Laser Anilox Cleaner

THE LASER TECHNOLOGY



The image shows a close-up of a laser beam hitting a textured, metallic surface, creating a bright, shimmering effect.

- LASER CLEANING WORKS THROUGH ABLATION
- THE LASER EVAPORATES THE INK
- EXTRACTION SYSTEM REMOVES LEFT OVER PARTICLES



LIQUID OR LASER?

WHAT TO CONSIDER?

LIQUID & WATER

- Cleaning 20 rolls or more per day.
- Limited inventory for each anilox.
- Production schedule concerns.
- Multiple changeovers per day.
- Need for daily deep cleaning.
- Wants to clean multiple aniloxes in 10-20 minutes.
- Lower upfront capital expense.



LASER

- Cleaning less than 20 rolls per day
- Large inventory for each type of anilox
- Leaves anilox in press longer with fewer changeovers
- Concerns with difficult inks, adhesives or coatings
- Location flexibility - no easy access to utility connections and drainage
- Corporate focus on waste free cleaning
- Desires to eliminate ongoing consumables cost

SPECIAL FEATURES

MULTIPLE ANILOX CLEANING



Clean multiple small aniloxes of variable sizes in ONE machine (option).



EVENT LOG

Data regarding cleaning and alarms can be accessed by technicians via LAN connection.



ANILOX DATABASE

Each anilox and its cleaning log is registered ensuring a well-documented cleaning log of every anilox. The anilox can optionally be identified via RFID or Barcode reader.

AUTO FOCUS



The laser is automatically adjusted to the size of the anilox making the process fast, user friendly and safe.



CLASS 1 LASER SYSTEM

Safe under all conditions of normal use - no need for safety goggles or other safety equipment. To enhance the cleaning time of the unit, it can optionally be equipped



EASY DRAWER CONCEPT

Electrically driven drawer for easy loading and high degree of protection of the anilox.



HOW DOES IT WORK?

WASTEFREE CLEANING

Get a waste-free, completely safe and automatic anilox cleaner that will give you a more sustainable cleaning solution.

The FW LASER Anilox Cleaner can be installed without requiring water supply, drain or safety equipment.

OPTIONS AND ACCESSORIES

- Extra traction system for cleaning of additional, but shorter aniloxes
- Barcode Reader
- Automatic anilox identification (RFID) possible

LOADING

Place the aniloxes on the traction stations.

Anilox properties are defined (diameter, length, lines) choose the anilox from the database.

The colour, volume and cleaning intensity are selected by the operator.

CLEANING

The high frequency laser will clean the anilox with a precise defined pulse which ensures an even distribution of energy.

EXTRACTION

The extraction system removes all dust and fumes.

The cleaning programme stop automatically when the cleaning and extraction process are finalized.

UNLOADING

The operator can open from the front panel and easily unload the aniloxes.



MACHINE DETAILS

ANILOX DATABASE

Every anilox and its cleaning log is registered in a database ensuring a well-documented cleaning log of each of your aniloxes. You can therefore always identify each anilox and see when and how often it has been cleaned, which will help you make sure that all aniloxes are kept clean.

The anilox can optionally be identified by the machine via RFID or Barcode reader. Can be accessed via LAN connection.

EASY DRAWER CONCEPT

Easy loading and high degree of protection of the anilox. The drawer opens and closes with electric drive.

AUTO FOCUS

The laser is automatically adjusted to the size (diameter and length) of the anilox making the process fast, user friendly and safe.

MULTIPLE ANILOX CLEANING

The unit can clean multiple small aniloxes of variable sizes in the laser at the same time

EVENT LOG

Data regarding cleaning and alarms can be accessed by technicians via LAN connection.

LASER

Class 1: Laser system.

Class 2: Laser is safe under all conditions of normal use. No need for safety goggles or other safety equipment.

CONTROL SYSTEM

PLC- System, with 10 touch screen, for easy operation.

EXTRACTION SYSTEM

The extraction system and its two filters ensure that no harmful substances will escape the machine when unloading the aniloxes.

ALARM

Filter alarm: Indication that it is time to change the filter.

CUSTOMER FEEDBACK

The Danish manufacturer of paper bags and carriers, Scanbag A/S, has installed a laser anilox cleaner from Flexo Wash for its production plant in Skive.

SAFE & EFFECTIVE CLEANING

The FW 2000 model, which was introduced in 2018, is the first laser model in the company's anilox cleaning range that dates back 25 years and involves more than 3,000 installations.

With anilox cleaning such a fundamental part of the flexo printing process, the new laser technology is ideal for 100% cleaning without damage to the expensive rolls, with the guarantee of consistent print quality and reduced downtime.

Speaking for Scanbag, printer Søren Bligaard stated:

"We are very satisfied with the cleaning results and the easy handling of the aniloxes. We tested another system, but it damaged the rolls. With the Flexo Wash system we have no issues at all."

”

We are very satisfied with the cleaning results and the easy handling of the aniloxes. We tested another system, but it damaged the rolls. With the Flexo Wash we have no issues at all.



”

For us it was important to develop a Laser Anilox Cleaner with as much safety as possible.

FOCUS ON ENVIRONMENT & HIGH QUALITY

The new Flexo Wash laser cleaner sits well with the company's ethos of quality, safety and focus on the environment.

Flexo Wash's Technical Director, Anders Kongstad explained the principle behind the company's Laser cleaning system:

"For us it was important to develop a Laser Anilox Cleaner with as much safety as possible. The ceramic on the anilox rolls is very delicate and can easily be damaged when cleaning with a laser, so safety is extremely important."