



The Deepwave treatment

- 1 Placing the Deepwave at the intended unit.
- 2 Setting up and mounting the Deepwave.
- 3 Take volume measurements, Anicam or Ravol Liquid Test.
- 4 Short calibration of the head, to adjust and measure the length and radius of the roll.
- 5 Start the cleaning cycle (approximately 15 min). The cleaner temperature is about 20-25 degrees.
- 6 Rinsing the roll with water for 15 min. This is done with a high pressure beam and all abundant water is instantly sucked away.
- 7 Drying of the roll.
- 8 Another volume measurement test is done to see the difference.
- 9 Move the Deepwave to another unit or dismount it and pack it in it's case.



Technical specifications:

Cleaner volume	20 ltr	Operational temperature	25 °C
Tank volume	60 ltr	Water supply	¾ inch
Pressure	85 Bar	Total weight	50 Kg
Suction unit	2x1200 W	Weight guiding mount	20 Kg
Total output	4 kW	Minimum cleaning height	70 cm
Voltage/Amperage	380/16 V/A	Maximum cleaning height	250 cm



Fully automatic



Different sizes and shapes



Stand (alone) poles for different heights

Deep cleaning machine In- & Offline: The Deepwave



Contact Flexoclean Engineering B.V. for all your cleaning chemicals.

www.flexoclean.com

The Deepwave

The Deepwave has 2 units: the guiding mount, including an automatically adjustable head, and the cleaning-/pump unit. This machine is suitable for both **INLINE** and **OFFLINE** cleaning of anilox rolls.

Inline Deep cleaning



Offline Deep cleaning



Due to the automatic positioning of the head, the cleaning chemical is sprayed inline, on the roll. The head uses a high pressure beam to rinse the remaining ink residue from the roll and uses several suction units to clear this at water simultaneously.

There is no vaporised water, cleaner or other material during the whole process. The cleaner that is being used is developed by Flexoclean Engineering B.V. (Ltd.).

After setting up the Deepwave, the service staff can safely leave the printing unit!

The Deepwave is fully PLC controlled. It is being operated by a handheld remote tablet. The diameters of rolls can vary. We have several attachments for the head so we can clean most types of rolls.

We do require from our customer a special and stand-alone safety switch that can rotate the roll stationary when the valves are open/removed.

- ✓ Suitable for several anilox rolls: 600-2600mm (larger ones can be done in several runs).
- ✓ Offline is only possible for rolls with studs.
- ✓ Setting up takes roughly 20 minutes.
- ✓ Applicable for aniloxes that have a (machine) dept of 40cm.

Remote control



Features

- Cleaning and rinsing with water in one-go
- Does not damage the anilox roll
- No vaporised water due to the suction head
- No need of pre-treatment
- Easily adapted
- Cleaner is used cold

The average cleaning time is about 30 minutes (cleaning and water wash). The process varies, depending on the state of the roll, contamination, and length. If the contamination is severe, a pre-treatment might be necessary (with our Anilox Power Boost for instance).

- Faster cleaning process
- Minimum cleaner usage
- Quickly adjusted inside the unit
- Optimum results: volume goes back to nearly 100%! (very bold statement)
- When using the high pressure beam, no vaporised water due to the suction system implemented in the head
- Inline and Offline possible
- Fully automatic, extra safe

- ✓ Fully automatic
- ✓ Quick
- ✓ In-/Offline
- ✓ Safe
- ✓ Optimum result