

PLATE PROCESSING SYSTEMS

■ For Water Washable Photopolymer Plates



# Cosmoline

## INLINE WATER WASHABLE PHOTOPOLYMER PLATE PROCESSOR

- The all-in-one machine for processing water-washable Flexo plates.
- High output capacity
- Low maintenance due to automatic cleaning functionalities
- Consistent, high quality output



### ■ DESCRIPTION

The Cosmoline inline washer and drying unit processes photopolymer plates. The operator feeds a plate into the machine on one side and exits on the other side. After placing the plate in the machine, it will then be transported automatically through the inline processor. This process is automatized with sensors that measure the plate ensures in a high output capacity. The plate is washed out with a strong water flow in a mixture of water and 2% soap. The Cosmoline has several adjustable round brushes, one large plate brush for an increased coverage and rotates clockwise and counterclockwise.

A second brush rolls over the plate to remove any left-over residue to ensure clean and ready to use results. As a last step, the machine dries the plate with hot air, leaving you with a perfectly processed flexo printing plate.

It is possible to filter the photopolymer from the water by using our optional membrane filter. This is not necessary for letter press plates. A centrifugal cleaning system is standard with this machine and is a sustainable option. All machine settings are adjustable to your situation.

“My personal advice to anyone looking to invest in plate making facilities, is to opt for this Cosmoline”

- Customer of AV Flexologic -

### ■ FEATURES



Automatic Ph controlled soap dispenser that creates the washout water

Comprehensive inline processing that combines all functions needed

Membrane filter that filters any residue from the photopolymer plate

Centrifugal cleaning system

Easy to maintain through the automatic cleaning function after operational hours

Temperature controlled washout

Exposure and anti-tacking unit (optional)

Hot air dryer that dries the plate for safe usage afterwards

CHECK FOR ALL OUR EQUIPMENT AND VIDEOS [WWW.FLEXOLOGIC.COM](http://WWW.FLEXOLOGIC.COM)

# AQUASUPREME

MULTI-UNIT WATER WASHABLE PHOTOPOLYMER PLATE PROCESSOR.

- Water washable flexo plate processing machine with separate dryer / exposure unit
- Low maintenance due to automatic cleaning functionalities
- Sustainable plate making solution
- Fast and easy



## ■ DESCRIPTION

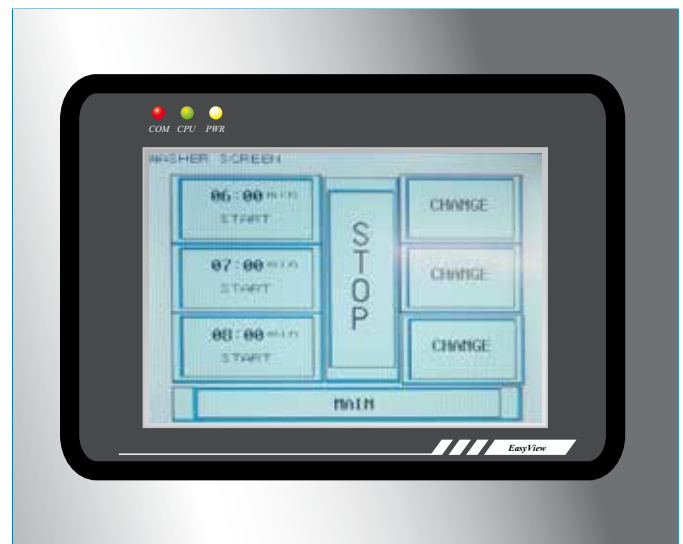
With this stainless steel plate processing machine the water washable plates are processed in very short period of time. The machine is equipped with PLC and touch screen display for all plate processing functions (back-exposure, post-exposure, main exposure, pump control, washout time, after clean, dryer temperature, operational hours, anti-tacking).

The plate is attached to the self –adhesive wash table and is washed out in a mixture of water and 1% soap, at a temperature of 40 degrees Celsius. The washout unit has temperature control, an adjustable brush and a water tank with pump.

To ensure continuous operation, the water is filtered in two steps. First the rough particles are filtered and by means of a membrane unit also the smaller polymers are removed. In this way the machine continuously re-uses the water. After working hours the machine can be set to continue water cleaning for e.g. 2 hours before shutting down. The membrane is cleaned automatically by means of a back flush system.

## ■ FEATURES

A vacuum draw with vacuum gauge that secures the plate
Combined UVA+UVC finishing draw
Dryer temperature, offering a clean and dry result
Anti-tacking through UVC exposure
Orbital washout movement
Separate timers for all UVA exposures
High-output U.V. lamps
A 3 shelves hot-air dryer with computer regulated temperature



## SPECIFICATIONS



	Aquasupreme	Cosmoline
Max usable size	800 x 1050 mm (31 x 44") or 900 x 1200 mm (35 x 47")	900 x 1200 mm (35 x 47")
Plate thickness	1,14 – 2,84 mm	1,14 – 2,84 mm
LxWxH Exposure, dryer	1670 x 1480 x 1180 mm (66 x 59 x 47")	-
LxWxH Washer	1720 x 1470 x 1250 mm (68 x 58 x 50")	3600 x 1600 x 1100 mm (142 x 63 x 44")

# AV Flexologic

### HEAD OFFICE

AV Flexologic B.V.  
 H. Kamerlingh Onnesweg 2  
 P.O. Box 252  
 NL-2400 AG Alphen aan den Rijn  
 The Netherlands

Tel. +31 (0)172 434221  
 Fax +31 (0)172 437919  
 Mail av@flexologic.nl

[WWW.FLEXOLOGIC.COM](http://WWW.FLEXOLOGIC.COM)

### ■ AV FLEXOLOGIC - WE INNOVATE!

AV Flexologic BV's mission is to deliver highly innovative solutions in the Flexographic industry in between the graphics and press departments. We strive to save cost, and increase efficiency and quality for our customers.

We achieve this by digitalizing traditional workflows and continuously improving on existing equipment with advanced technology and inventing new equipment.

### ■ OTHER EQUIPMENT OF OF AV FLEXOLOGIC

■ NARROW WEB MOUNTING MACHINES

■ CORRUGATED POSTPRINT MOUNTING MACHINES

■ CORRUGATED PREPRINT MOUNTING MACHINES

■ WIDE WEB MOUNTING MACHINES

■ VISCOSITY CONTROL SYSTEMS

■ TECH SLEEVES SLEEVES AND BRIDGES

