

Aniflo

*Let's print the future
together*



CODIMAG

www.codimag.com

40 YEARS
OF OFFSET
INNOVATION

Aniflo

Aniflo is a breakthrough technology designed by Codimag, the only anilox offset technology available on the narrow web market

Aniflo is the most stable and predictable solution, specially designed for short to medium run. This simple print unit is very easy to operate. Learning curve for the operators is reduced, and there is no need for offset knowledge.

▶ Aniflo helps reducing set-up time and waste, as the operators only have temperature adjustment to control color density. Aniflo is the most efficient offset process. Color adjustment system is based on temperature regulation in the anilox. Higher temperature means higher ink density.



- 1 Anilox
- 2 Form roller blanket
- 3 Plate cylinder
- 4 Printing blanket



Offset quality

Aniflo delivers superior quality of Offset:

- ▶ Naturally HD
- ▶ 3\$ per plate
- ▶ Cheap consumable (inks,...)
- ▶ One unit per color, for both fine text and solid printing
- ▶ Print on all substrates (paper, PE, PP, shrink sleeves, in mold,...) without any primer or pre treated material



Flexo simplicity

Aniflo simplifies your printing process by using an anilox :

- ▶ No ink/water balance
- ▶ No ink key settings
- ▶ No roller settings : ink transfer is constant along and across the web
- ▶ No ghosting : the plate gets fresh ink at every rotation
- ▶ No pressure adjustment
- ▶ No print/die cylinders to change and few anilox required
- ▶ No expensive plates



Digital flexibility

Aniflo is stable and fully integrated in you digital workflow, from PDF to printed labels :

- ▶ Change job quickly and easily, thanks to semi rotary process
- ▶ Integrate your plate making equipment
- ▶ Print immediately the proof with your calibrated and fully automated press

A stable process can be fingerprinted ; press calibration is easy and will not depend on press operator, so Aniflo can be standardized and integrated in your industrial workflow. Color management becomes the reality, and press profiles can be created for CMYK and extended gamut printing. Linking to other process profiles help you transfer jobs from flexo or digital to Aniflo with consistent results, and at the utmost cost efficiency for greater short to medium run profitability.

VIVA 340
evolution
Aniflo for short to medium run

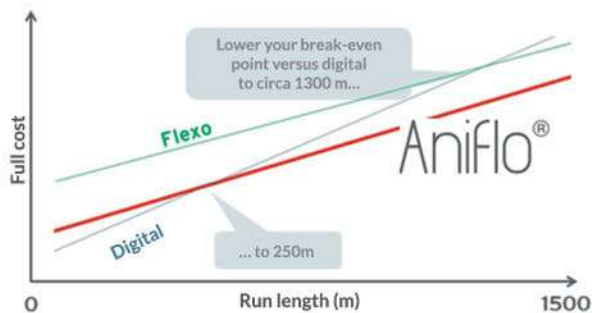
VIVA 340
Combining Aniflo and inline finishing for short to medium

VIVA 420
Aniflo with maximum productivity

VIVA 340 evolution

Print with highest quality at lowest costs

Viva evolution is a 6 colours roll to roll press. Already equipped with offline finishing? We make your printing process easier, cheaper, with highest quality of offset, on every substrates without any primer or pre treated material.



Increase efficiency with extended gamut

Aniflo superior inking system consistency allows implementing CMYK or extended gamut like on a digital press. This is an opportunity to eliminate wash-up and increase the effective printing time on your press.



● ● ● ● ● ● ● CMYKOGV

Advanced automation & digital workflow

The VIVA 340 evolution integrates advanced automated features helping the operator to make ready quickly.



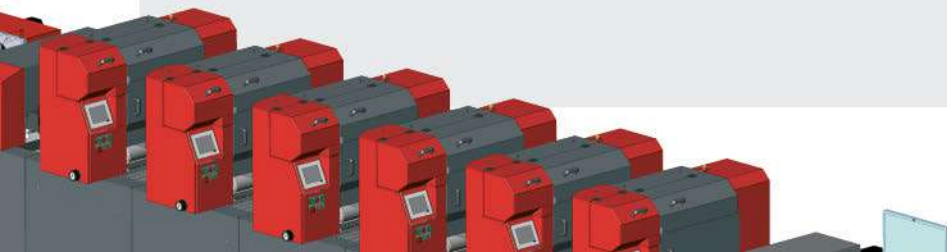
CODIFLOW helps you integrate the press in your workflow and IT process by making the press communicate with your ERP, pre press equipment and software



CODIReg is a fully automatic register system registering all colors in both directions without operator input.



CODILink is the VIVA press Ethernet remote connection for troubleshooting



VIVA 340

Take full advantage of Aniflo technology
by choosing your dedicated inline



Rotary hot foil stamping

- Magnesium dies or copper dies (on magnetic cylinder), to reduce the cost of toolings for short runs.
- Foil saving system : The unit comes with a foil-saving system, adjusting the foil movement to the individual label step. Save up to 80% on foil consumption!
- Multi-foil solution : Thanks to friction shafts, it is possible to transfer several foils in the width at the same time, generating savings by reducing the width of each roll of foil.



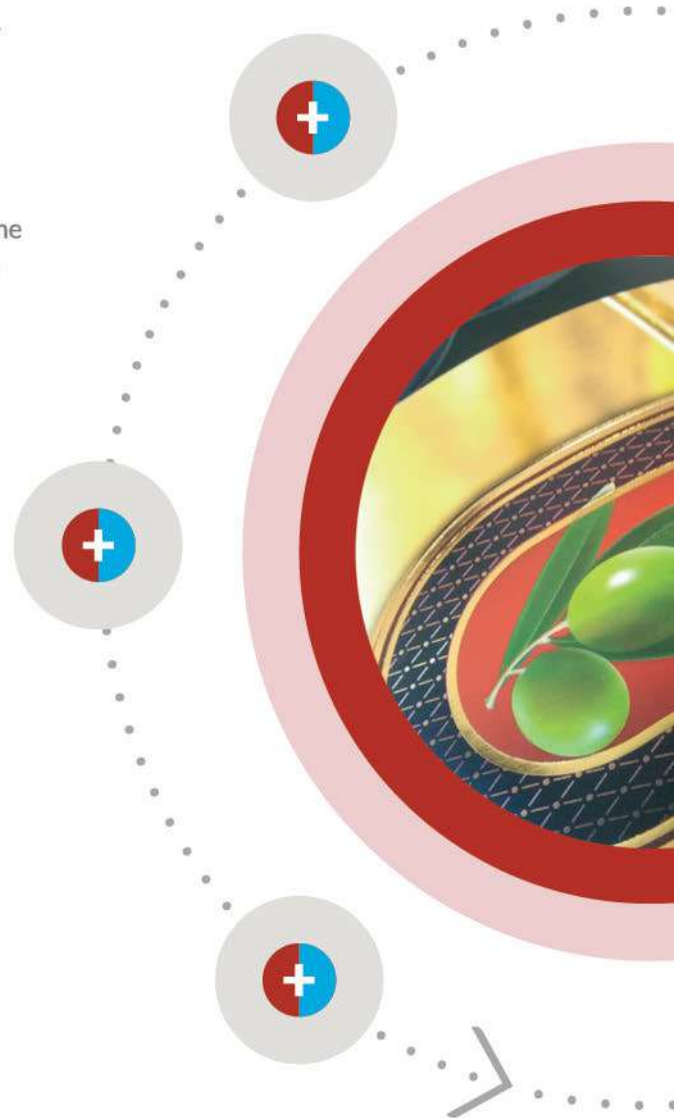
Flat bed hot foil stamping & embossing

- Multiple opportunities to achieve embellishment options, with or without foil:
 - hot-foil stamping • fluted foiling • blind embossing • micro embossing,...
- Possibility to work with foil along or across the web, and therefore to use multi-stroke mode. Use different processes on the same job in one pass.
- Work with several rolls of foil for more sophisticated label design.
- Foil saving system.
Up to 5 strokes per print repeat, and up to 18 000 strokes per hour.



Rotary Embossing

- One-level embossing or material texturing. The use of photopolymer plates is very efficient and economical.
- 2 magnetic cylinders to ease plate mounting, and a Gap Master system to control precisely the embossing depth.



Technology and boost your productivity
finishing units on your Viva press



Die cutting/slitting /stripping

- Die-cutting is based on a single size magnetic cylinder for all repeats, and uses flexible dies. Cutting depth is controlled precisely by a Gap Master system.
- Slitting and edge trimming can be achieved by scissor knives, razor knives or a scoring unit.



Flexo varnish and lamination

- Mainly used for UV varnish, the flexo unit is equipped with magnetic cylinder for steel-based photopolymer, or with a sleeve for off-press flexo plate mounting.
- Wet laminating system can be mounted on top of the flexo unit. In that case, the flexo prints a UV glue.



Screen printing and inkjet

- Semi-rotary screen-printing unit, to print any jobs with single-size screens.
- Set-up time and waste are optimized. Lower your tools price using RotaMesh or RotaPlate, and re use the rings for all repeats and jobs : Clear "no-label look", High-gloss colours, special varnishes, relief varnish or Braille
- Codimag partnered with XAAR to introduce an ink-jet printbar for opaque white application in-line on the VIVA.
A very high opacity combined with ink-jet digital flexibility to get a great alternative to traditional screen-printing technology, with equivalent quality and similar speeds.

VIVA³⁴⁰ evolution

VIVA³⁴⁰

VIVA⁴²⁰

Minimum repeat length	50 mm / 1.97"	50 mm / 1.97"	200 mm / 7.87"
Maximum repeat length	305 mm / 12"	305 mm / 12"	432 mm / 17"
Minimum web width	120 mm / 4.72"	120 mm / 4.72"	200 mm / 7.87"
Maximum web width	340 mm / 13.39"	340 mm / 13.39"	420 mm / 16.54"
Maximum print width	340 mm / 13.39"	340 mm / 13.39"	420 mm / 16.54"
Maximum speed		75m/min / 200ft/min	

Unwind

▶ Maximum roll size	1000 mm / 39.37" - 350 kgs
▶ Standard shaft	76 mm / 3"

Rewind

▶ Maximum roll size	1000 mm / 39.37"
▶ Standard shaft	76 mm / 3"

Offset printing Aniflo

▶ Waterless offset plate thickness	0,3 mm / 0.012"
▶ Contractual register	+/- 0,07 mm / 0.028"

Semi rotary hot foil stamping

▶ Magnesium plates	1 mm / 0.04"
▶ Foil saving system	Standard
▶ Friction shaft	Option

Flat bed hotfoil stamping and embossing

▶ Maximum length tool	432 mm / 17"	432 mm / 17"
▶ Maximum width tool	340 mm / 13.39"	420 mm / 16.54"
▶ Up to 5 strokes per format		
▶ Foil width across the web	340 mm / 13.39"	420 mm / 16.54"
▶ Maximim speed (one strike per format)	up to 18 000 strokes/ hour	up to 18 000 strokes/ hour
▶ Friction shaft	Standard	Standard

Semi rotary screenprint unit

▶ Maximum length	280 mm / 11.02"	406 mm / 16"
▶ Maximum length (with low speed rotation mode)	305 mm / 12"	432 mm / 17"

Flexo varnish unit

▶ Steel-base plate	1 mm / 0.04"	1 mm / 0.04"
▶ Anilox : Urmi - l/cm	9- 120	9- 120
▶ Chamber blade	Option	Option

Semi rotary die cut unit

▶ Flexible dies	0,44
▶ Length register	+/- 2 mm / 0.08"

Matrix rewind

▶ Maximum roll diameter	700 mm / 27.56"
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