

# e-Flex Features...

**MAXIMISE PRESS TIME:** The eFlex is designed to be an efficient converting tool. Maximising press time by allowing the Ink cartridge & Anilox roll assemblies to be cleaned off press, reducing time for set up, job changes, unplanned down time and materials waste thus increasing profits and providing a rapid pay back on the investment.

**ENERGY MANAGEMENT:** Servo drives provide an efficient method powering converting equipment. The latest digital drives & Ink drying systems are designed to reduce energy costs, reducing overall energy consumption by focusing energy needs only where it is required.

**SERVO TECHNOLOGY:** Each print station has two separate servo drives for web impression & print cylinder control, avoiding possible tension conflict issues on the substrate. Each Die station has an independent Servo drive to ensure an accurate print to die cut strike every time.

**HMI:** The touch screen interface ensures a logical sequence for set up & storage data for individual jobs. These can be recalled later for repeat production runs.

**PRE-REGISTER & IMPRESSION SETTING:** Register positions can be set automatically without the need to waste any material, Precision micro adjustments provide a method to optimize print definition & quality irrespective of the substrate thickness.

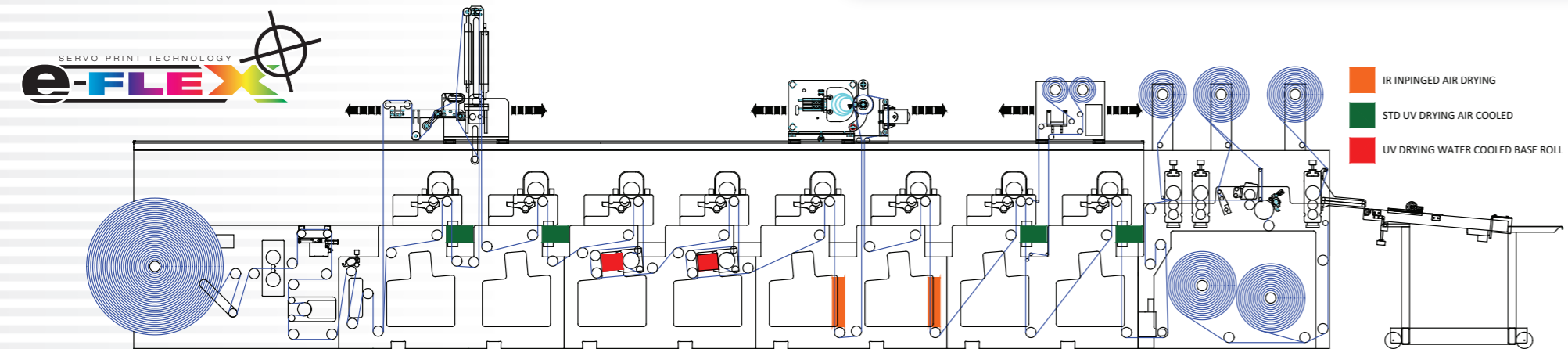
**AUTO REGISTER:** Provides stable accurate register control without operator intervention even on unsupported substrates. Operator programmed adjustments can be controlled through the touch screen interface, minimizing wastage.

**QC JOB & COLOUR CHANGES:** The open architecture print head design allows full colour & job changes in seconds without wasting any valuable material. Inking cartridges can be simply exchanged and cleaned off line, keeping your press running.

**SUBSTRATES:** The unique impression settings allow a wide range of substrates to be converted from 30 to 380 Micron thickness covering unsupported films and a variety of standard & specialised Label stock & carton board.

**CONVERTING OPTIONS:** Rail mounted ancillary systems allow flexibility to position a variety of converting platform applications in any order, where ever you want them.

e - F L E X S P E C I F I C A T I O N S	
Web Width	330mm-430mm
Number of Colours	2 to 12
Min Print Length	7"(178mm)
Max Print Length	20"(508mm)
Max Unwind	1000mm
Pre-Register	Yes
Auto register	Yes
2nd Pass	Option
Rail Mounted Equipment	Option
Drying Systems	IR,UV or LED
Chill Rolls	Option
Rotary Die Stations	Yes
Slitting	Yes
Max Rewind	800mm
Rotary Die Sheet Station	Yes
Digital Ink jet Module	Option
Other Options	Turn bar, Delam/Relam, Lamination, Digital Ink Jet, Cold foil, Hot Foil, Rotary Silk Screen, Sheet Stacker, Corona Treater, Web Cleaner, Auto Register, Fan Folder, Ticket Streamer, U.V Drying, Chill Rolls.



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## Take a closer look

e-Flex... click and print...



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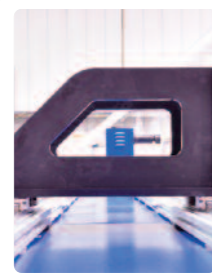


## Focus e-Flex... click & print...

The challenge to all printed product manufacturers is to supply smaller volume orders as economically as possible, to improve production efficiency, improve quality and reduce energy costs.

Focus presents its new generation of Flexo Printing & Converting systems that will provide a platform for a family of servo technology based machines. The e-Flex platform provides the possibility of stepped specification levels for the wide range of production applications & budget requirements. For Films, labels, Ticketing & Carton Boxes the e-Flex features high speed changeovers, reduced down time, reduced set up & waste, where the finest quality expectations will be realised at the press of a button.

- > Full Servo drive technology
- > Simple Touch controls
- > One touch pre-register set up
- > Open architecture print station design for rapid job changes
- > Re-register option for pre-printed webs from other digital equipment
- > High efficient, Low Energy Drying systems
- > Variable information printing with Integrated Ink Jet option
- > High Speed Printing & Converting



### RAIL SYSTEM

A Rail system is available to allow a variety of options to be mounted over the press and moved according to any special applications. (Turn bar, Delam-Relam, Cold foil, Lamination, Silk Screen, Ink Jet).



### TURN BAR/DELAM

Turn bar units are moveable between Colour Stations for greater versatility with Delam & Re-lamination options for printing on the reverse side of the Web or even Multi Peel labels.



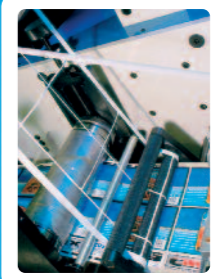
### PRINT MODULES

Open Architecture design allow easy loading of tooling for fast job & colour changes. The pre-register function ensure all colours are aligned to minimise set up time & reduce waste. The print Cassettes can be partially or fully unloaded & exchanged to maximise production time, and minimize down time. Cleaning can take place off press.



### DIGITAL PRINT

Focus can install a variety of 'in line' digital systems for printing variable data, or full colour imaging. Print speeds can be handled up to 80 mts/min. (more details on request).



### CONVERTING STATIONS

Heavy Duty Servo driven Die cutting units provide an excellent converting platform for Film, Labels & board applications. 360 Register and lateral side register features ensure minimal waste & rapid set up. Anvils are removable for front & back die cutting operations. The eFlex also includes a Sheeting station to enable Roll to sheet applications (Stacker optional).



### SERVO TECHNOLOGY

The eFlex includes full servo drive system with fully programmable PLC technology. Closed loop Tension zones ensure fine register tolerance with focus in reducing set up times & waste. Print modules incorporate Twin Digital Drive technology for rapid adjustment of printing cylinder positions and reduces mechanical print noise & register errors providing exceptional control over a wide range of substrates, with point-to-point Pre-Register set up & Auto register control.



### DIGITAL CONTROL

An HMI touch screen provides the operator with a user-friendly interface; Intuitive Icons display all adjustable functions and current data. Information can be stored and recalled for repeat jobs or linked to Management systems for Real time analysis.



### UNWIND MODULE

1000mm Diameter Unwind with Servo Controlled closed loop Tension system. Features include a built in splice Table & Automatic Web Guide with facilities to add Corona & Web Cleaning systems.



### CORONA TREATER & WEB CLEANER

Focus provides the facility to add a wide range of options including single or Twin sided Web Treatment systems. Anti Static systems can also be supplied for Synthetic Substrates.



### OPERATOR INTERFACE

The eFlex provides individual HMI control panels for the operator to control the press from any convenient position. The main control panel can store data, set up information, tensions, Colours & Materials data for repeat orders. The menu system is intuitive, designed for printers.



### DRYING SYSTEMS

A choice of advanced drying systems is provided. Individually controlled IR Units with Air Knives automatically adjusted with the Press speed are standard. Full or Part U.V system can be added with integrated chill rolls if desired.



### REWIND

Direct drive DC or Servo drive rewind options ensure Rolls are perfectly wound ready for further finishing operations or direct delivery to your client. 75mm Air cores are standard, and alternative Cores sizes can be supplied.

