



# THINK INK CONTROL

## KEY POINTS



- ▶ ACCURACY
- ▶ REPEATABILITY
- ▶ RELIABILITY
- ▶ SIMPLICITY
- ▶ PROFITABILITY

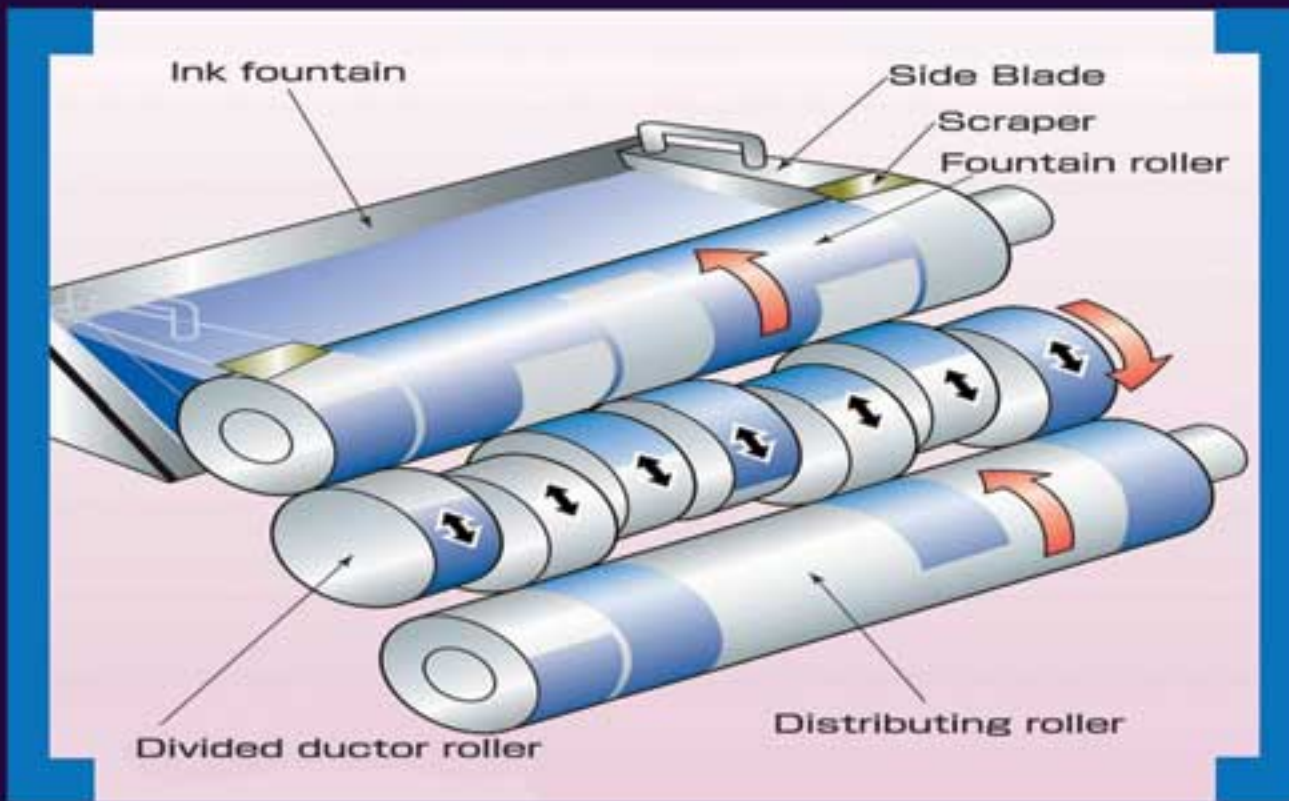
**AMERIKAL**  
 2115 NORTHWESTERN AVE.  
 WAUKEGAN, IL 60087

LEADING INNOVATOR AND MANUFACTURER  
 OF SUSTAINABLE PRESSROOM SOLUTIONS  
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## DIVIDED DUCTOR ROLLER

PRESENTED BY  
**AMERIKAL**



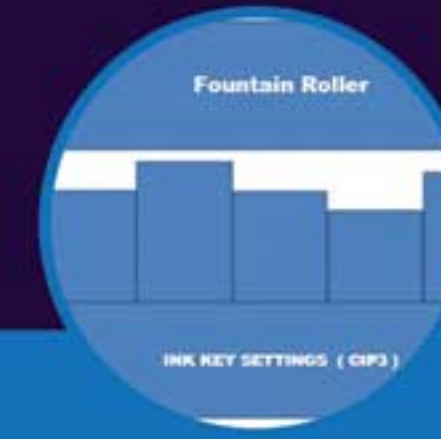
## OPERATION

The operation of the Divided Ductor removes the variables associated with existing "ink key" control systems. Ink key system variables such as, operator sweep control, key wear, key calibration & unknown hydraulic lift are all eliminated. The Divided Ductor System utilizes a fixed blade to establish a uniform ink film thickness on the fountain roller, any hydraulic lift of the fountain roller is repeatable & can easily be accommodated using speed offsets. Now that a consistent ink film thickness has been established extremely precise ink feed can be accomplished by simply varying the dwell time of the divided ductor roller segments against the fountain roller.

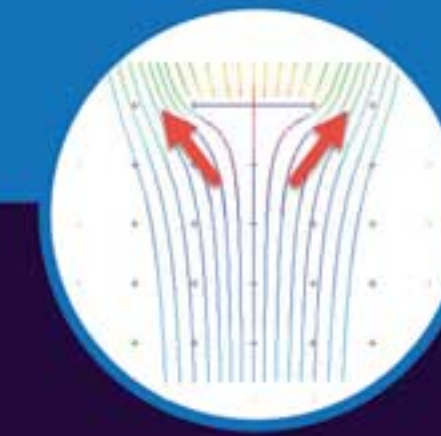


The Divided Ductor Roller is just part of our evolution in Ink Control equipment. Scan the QR Code to view our full range of time, waste & energy saving products. Or visit <http://www.imer.jp/english>

**IPC** system  
**ACCURATE INK CONTROL**  
**LESS INK, LESS WATER = LESS WASTE**



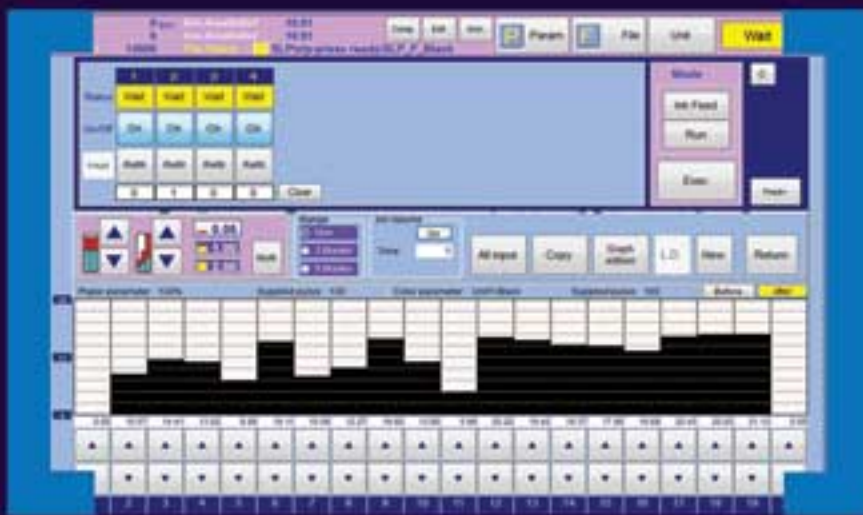
Conventional "Ink Key" Control... It is assumed that the inks body will enable it to transfer at the same ratios when presented to a ductor or transfer roller at various film thicknesses. This is simply not the case



As ink is a liquid it will flow around any obstacle i.e. A closed ink key, subsequently disrupting any adjacent keys flow. This means every key or sweep adjustment will affect flow characteristics & impact presets.



The Divided Ductor Ink Fountain.. Ink flowing through a fixed gap has the same characteristics across the entire width of the fountain. As the film thickness can be controlled preset's are accurate and repeatable even between machines

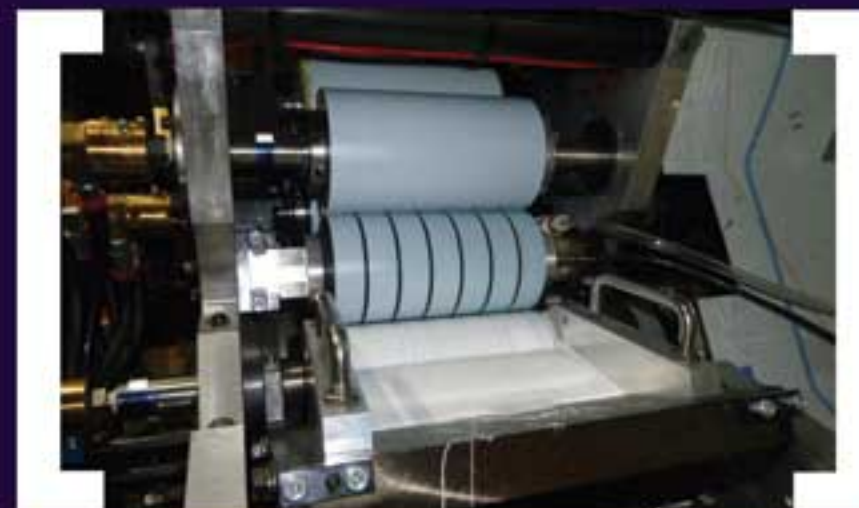


## ACCURACY

Providing 0.05% resolution the Divided Ductor system perfectly integrates with the "Think Reader" to accurately preset ink zones using calculated Cip3 / 4 data for either .5% spot or 100% coverage.. Pre-inking ensures minimal waste & fast color balance on new jobs. Operator input if required is possible via the touch screen interface panel.

## RELIABILITY

Originally designed and manufactured for the very demanding 2 piece canning industry, the first versions of the Divided Ductor have now been in operation for over 20 years. If maintenance is required the entire roller can be replaced in a matter of minutes with the system spare, eliminating on press troubleshooting & ensuring maximum up-time.



## SIMPLICITY

Designed using the KISS philosophy the J-Color Divided Ductor system eliminates many of the variables associated with ink key systems. Pneumatically energized with spring return there are only 4 moving parts/section. The Divided Ductor system is a perfect example of less equals more. Simplicity = Accuracy, Repeatability & Reliability.



Think Consortium: Amerikal has partnered with industry leaders to bring our customers the very latest in pressroom technology & chemistry. Reduce VOC's and Energy while improving quality and throughput.