

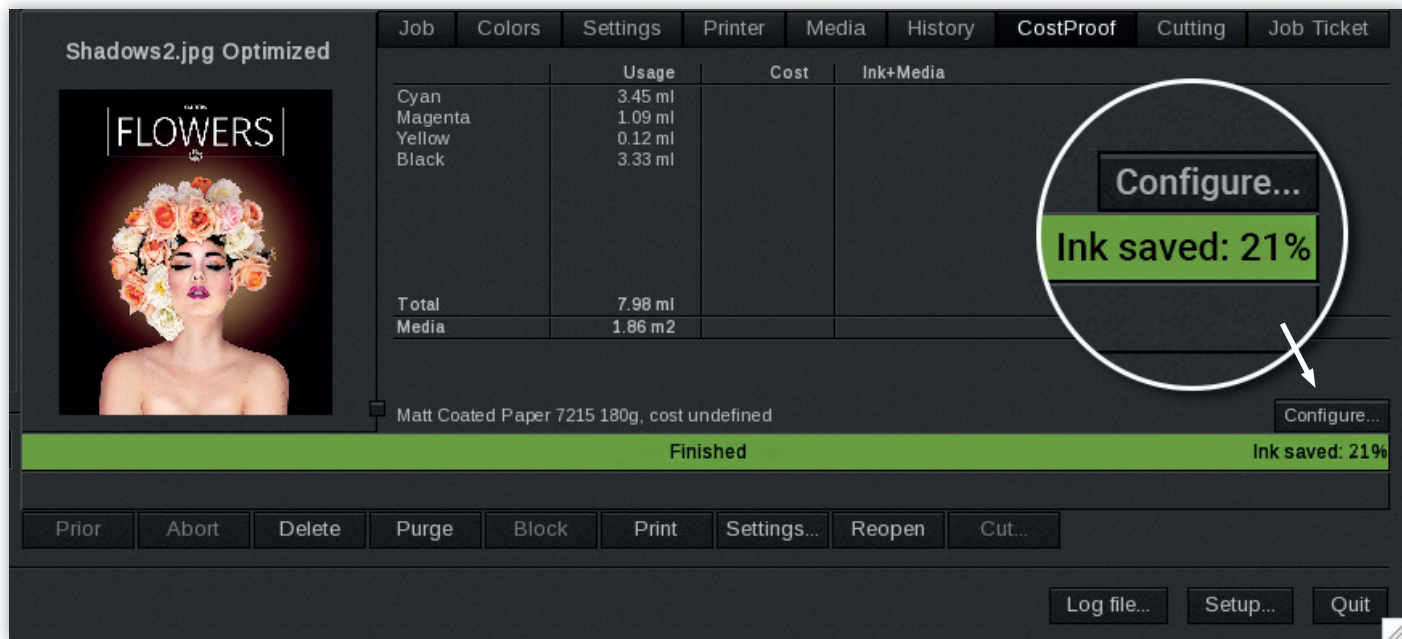
● Ink Optimization

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*Ink consumption optimization  
for quality color results*




InkPerformer is an ink savings software solution that has been specially developed, in association with the color expert Alwan, to enable inkjet printers to save ink during printing while maintaining a visual accuracy of colors. It has been built, as an option, in the Caldera RIP software for better user experience.

## How does it work?

InkPerformer calculates a new color combination which decreases the quantity of ink used. Alwan's Dynamic Maximum Black technology allows InkPerformer to identify, for one output color, the ink level for an optimized consumption. It minimizes the color ink consumption and maximizes the use of black ink, based on the output profile.

This method guarantees better output colors precision compared to a GCR process, for example, because there are no constraints about the black ink level, which also implies more ink savings. Depending on the type of print, users have the choice between 4 different ink savings levels, where the maximum saving level can go up to 35%.

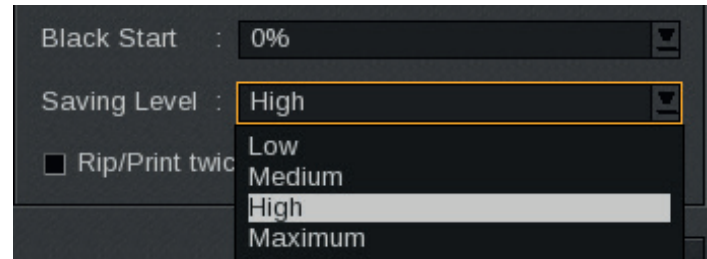
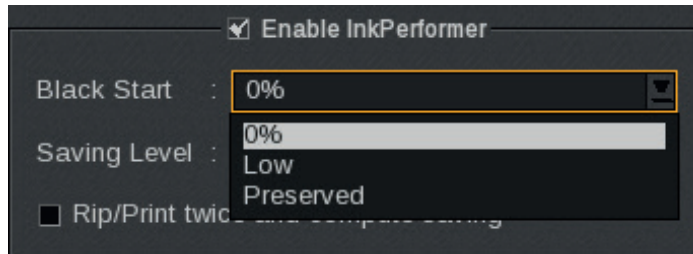
## InkPerformer features

- Alwan's Dynamic maximum black technology 
- Multiple ink savings levels
- One unique license allows to drive several printers
- Ink cost calculation
- Easy-to-use interface

# What are the advantages of using InkPerformer?

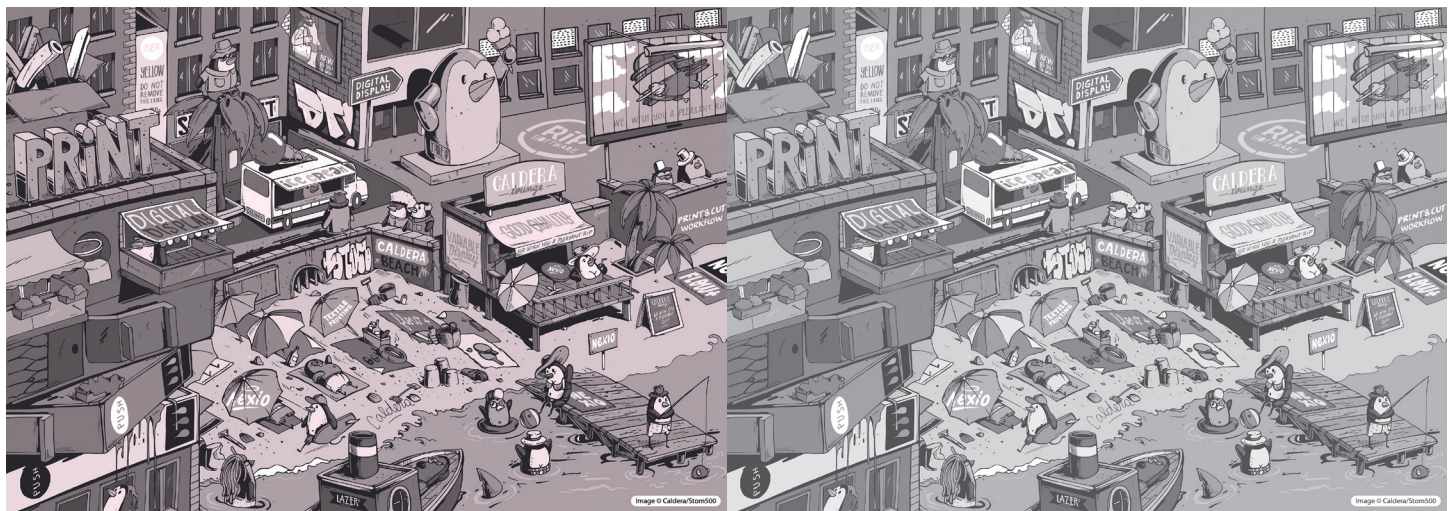
## Easy to install and use

*InkPerformer* can be activated or deactivated in the *Caldera RIP's* job submission interface. The user interface is easy to use, and consists of 2 settings: the first for adjusting the percentage at which the introduction of black ink is initiated and the second for the ink saving level.



## Improves grey neutrality

With *InkPerformer*, the greys are more neutral. Printed with color components, the greys can seem more “colored” (bluish, yellowish...). The metamerism of the chromatic inks, which change the perception of the color according to the lighting, creates this impression of coloration. *InkPerformer* uses the black ink appropriately and reduces this effect, helping you to achieve neutral greys and blacks.




Without InkPerformer


With InkPerformer

## Simulate and compare Ink consumption before printing

*InkPerformer* allows a fast comparison by calculating the ink consumption of a same job with and without *InkPerformer*. Once the two examples are ripped, the *Caldera Spooler* displays the percentage of ink saved and estimates the ink cost for each job.

Job	Couleurs	Paramètres	Imprimante	Media	Historique	CostPr
Caldera-Flowers_2.jpg 	Cyan	9.09 ml	1.56 \$	Encre+Media		
	Magenta	14.10 ml	2.42 \$			
	Jaune	10.35 ml	1.77 \$			
	Noir	20.01 ml	3.43 \$			
	Cyan clair	2.41 ml	0.43 \$			
	Magenta clair	4.62 ml	0.79 \$			
	Noir clair	2.41 ml	0.41 \$			
	Total encre	62.98 ml	10.80 \$			
Media	3.10 m2	16.26 \$	27.06 \$			

Ink and media cost without InkPerformer

Job	Couleurs	Paramètres	Imprimante	Media	Historique	CostPr
Caldera-Flowers_2.jpg 	Cyan	7.11 ml	1.22 \$	Encre+Media		
	Magenta	8.91 ml	1.53 \$			
	Jaune	5.37 ml	0.92 \$			
	Noir	23.60 ml	4.05 \$			
	Cyan clair	1.94 ml	0.32 \$			
	Magenta clair	7.61 ml	1.30 \$			
	Noir clair	3.61 ml	0.62 \$			
	Total encre	58.05 ml	9.95 \$			
Media	3.10 m2	16.26 \$	26.22 \$			

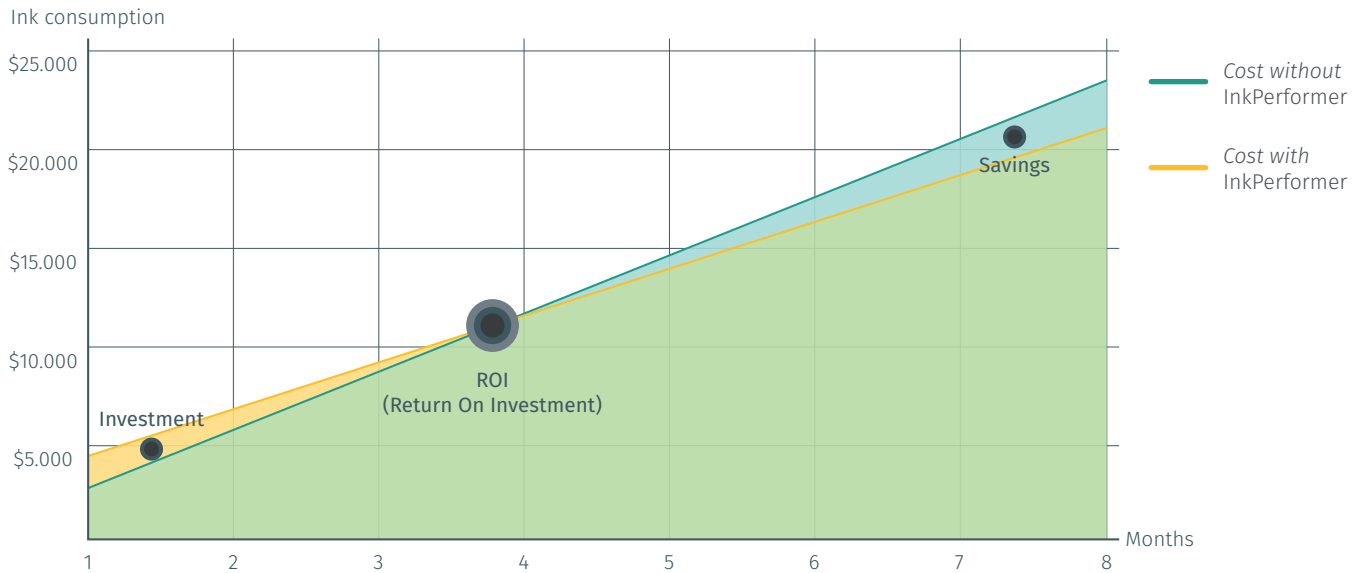
Ink and media cost with InkPerformer



# More advantages

## Rapid return on investment

*InkPerformer* allows a gain in productivity since it helps printers to reduce the cost of ink consumption. The higher your current ink consumption, the faster you will have a return on investment. For example, if a printer with two latex machines, each of them consuming at least 0.5L per day, applies 15% ink savings on average, will get a return on investment in less than 4 months, using ink cartridges of 775mL.



## Uses your existing profiles

*InkPerformer* uses existing profiles to which it applies an algorithm that do not require a specific reprofiling for ink saving. Practical and useful, it makes the process faster and the user can take advantage of his own resources.

