

● Ink Optimization

# Ink Performer

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## Ink optimization module for high-quality results

Job	Colors	Settings	Printer	Media	History	CostProof	Cutting	Job Ticket
			Usage	Cost	Ink+Media			
Cyan		29,54 ml	5,02 EUR					
Magenta		45,83 ml	7,79 EUR					
Yellow		33,64 ml	5,72 EUR					
Black		65,03 ml	11,06 EUR					
Light Cyan		7,83 ml	1,33 EUR					
Light Magenta		20,87 ml	3,55 EUR					
Light Black		7,83 ml	1,33 EUR					
Total		210,57 ml	35,80 EUR					
Media		15,50 m <sup>2</sup>	81,38 EUR	117,17 EUR				

Matt Coated Paper 7215 180g, cost undefined

Finished Ink saved: 35%


Developed in association with the color expert Alwan, *InkPerformer* is an optional ink-saving module for CalderaRIP software, designed to help inkjet printers reduce their ink consumption while maintaining color accuracy. Easy to install and to use, *InkPerformer* improves grey neutrality while reducing production costs and making your production more sustainable.

### How does it work?

You don't need to be a color expert or redo your ICC profiles to save on ink— once enabled, the *InkPerformer* module automatically calculates a new color combination which decreases the amount of ink printed on the substrate. Based on Alwan's *Dynamic Maximum Black* technology, *InkPerformer* adjusts the level of cyan, magenta and yellow inks and replaces them with black in order to optimize the ink consumption of the printer.

This method guarantees better output color precision compared to a GCR (Grey Component Replacement) process. Indeed, since there are no constraints on the black ink level, more ink can be saved. Moreover, users have the choice between 4 ink saving levels depending on the application, and the maximum saving level can help you save up to 35% ink.

### InkPerformer features

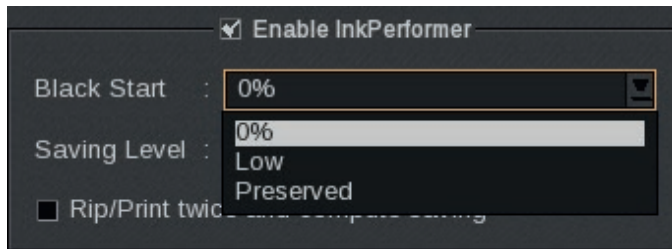
- Alwan's *Dynamic Maximum Black* technology 
- Multiple ink savings levels
- Can be deployed on an unlimited number of printers\*
- Ink cost calculation tool
- User-friendly interface

\*Please reach out to your sales representative regarding our packages.

# What are the advantages of using InkPerformer?

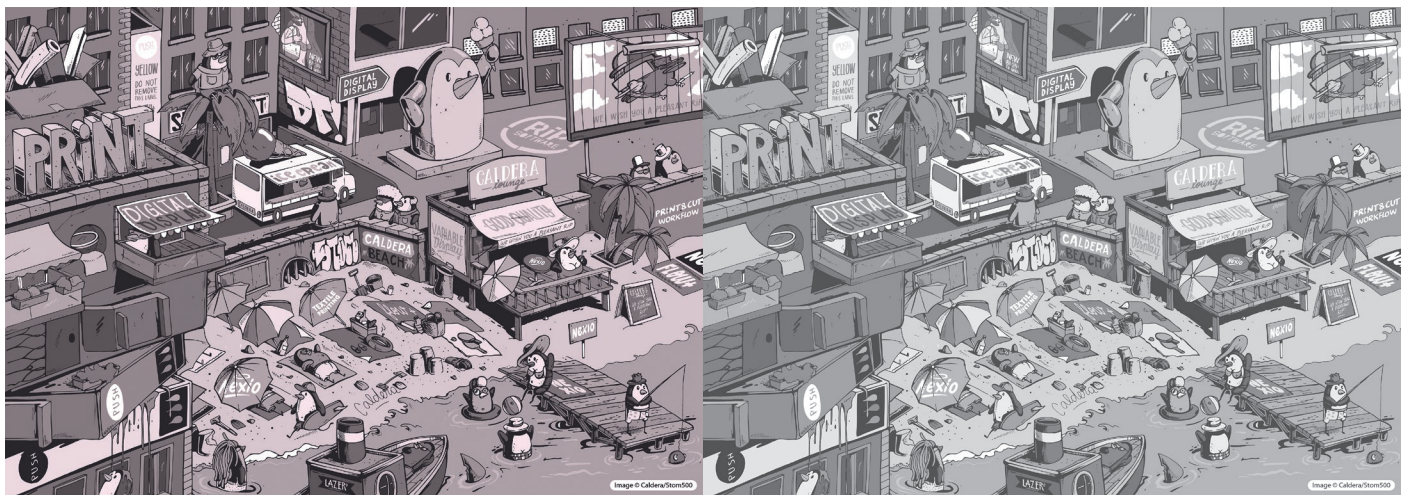
## Easy to install and to use

*InkPerformer* can be activated or deactivated in CalderaRIP software'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

When printed with color components, the greys tend to appear bluish, reddish or 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 to reduce this effect, helping you achieve neutral greys and blacks.



Without InkPerformer

With InkPerformer

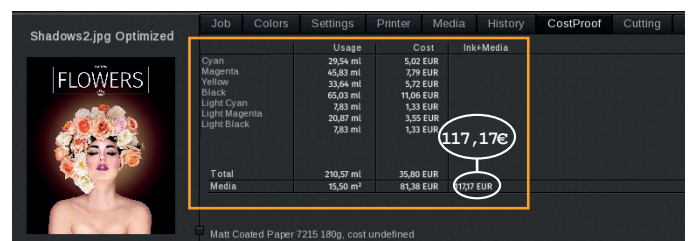
## Simulate and compare ink consumption before printing

*InkPerformer* can calculate and compare 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 to estimate the ink cost of each job.



Job	Colors	Settings	Printer	Media	History	CostProof	Cutting
Shadows2.jpg Optimized		Usage		Cost	Ink+Media		
		Cyan	45,45 ml	6,63 EUR			
		Magenta	70,50 ml	11,99 EUR			
		Yellow	31,65 ml	8,80 EUR			
		Black	109,65 ml	16,01 EUR			
		Light Cyan	12,05 ml	2,05 EUR			
		Light Magenta	31,02 ml	5,46 EUR			
	Light Black	12,05 ml	2,05 EUR				
	Total	323,95 ml	55,06 EUR				
	Media	15,50 m <sup>2</sup>	81,38 EUR				

Ink and media cost without InkPerformer



Job	Colors	Settings	Printer	Media	History	CostProof	Cutting
Shadows2.jpg Optimized		Usage		Cost	Ink+Media		
		Cyan	29,54 ml	5,02 EUR			
		Magenta	45,83 ml	7,79 EUR			
		Yellow	33,64 ml	5,72 EUR			
		Black	65,92 ml	11,06 EUR			
		Light Cyan	7,83 ml	1,33 EUR			
		Light Magenta	20,87 ml	3,55 EUR			
	Light Black	7,83 ml	1,33 EUR				
	Total	210,57 ml	35,80 EUR				
	Media	15,50 m <sup>2</sup>	81,38 EUR				

Ink and media cost with InkPerformer

## A more sustainable and cost-effective production

Optimizing the ink consumption have significant benefits in terms of sustainability, both for the environment and for your business. Optimizing ink consumption is the first step to reduce waste and achieve a cost-effective production.

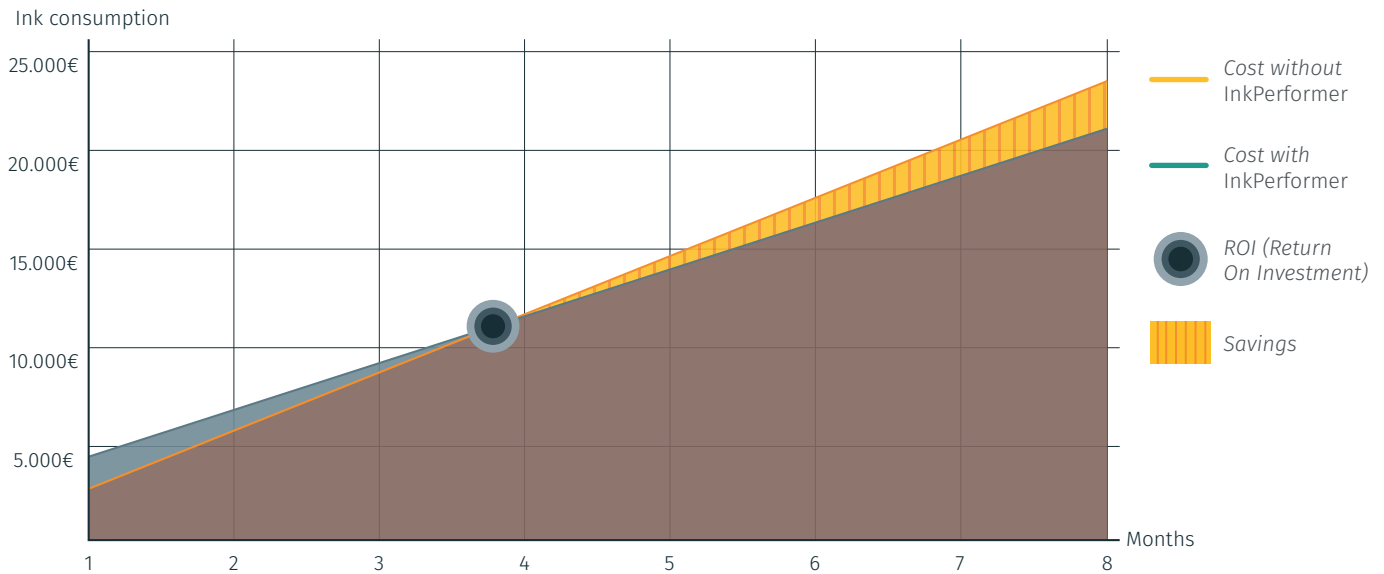




# More advantages

## Achieve a rapid return on investment

*InkPerformer* helps print operations of all sizes reduce their ink consumption and production costs. The higher your ink consumption, the faster you will get a return on investment. For example, if you use 2 latex machines consuming at least 0.5L per day and apply a 15% ink saving with *InkPerformer*, you will achieve a return on investment in less than 4 months, using ink cartridges of 775mL.



## Use your existing profiles

No need to recreate or duplicate a specific ICC profile— *InkPerformer* uses existing profiles to which it applies its algorithm for ink optimization. Moreover, you can save your *InkPerformer* settings in a print configuration for further automation!

