


in printing, we care



Water-based Digital Printing for Indoor and Outdoor Communications

MADE IN ITALY 

and visual communication industries.

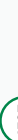
across the globe.

Success

drying systems and consumables.

designed to increase the users' green reputation

Compos



Our Va

Know-how

Assistance Service

Integrated Solutions

Welcoming

Proven Quality

by internal team of experts

Expertise



disposal operations.

Consumption

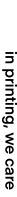
Efficiency

of Sustainable Products

processes

Water-based inks

Impact



in printing, we care


Why aleph's Large Format Digital Print Technology with Graphic Pigment Ink is the Right Choice


aleph's large format digital printing technology with graphic pigment inks enables top performances in terms of print quality, fastness and durability. Unlike large format digital printing technologies currently in use, this cutting-edge technology by aleph boasts a green footprint: by using advanced water-based dyes, it allows to achieve photographic print quality and brilliant colours, while at the same time reaching a significant reduction in environmental impact at every stage of the production process. In fact, the printing process is easy to handle and allows users to streamline the overall production, eliminating the use of water and limiting energy consumption.


Reducing the environmental impact, aleph's large format digital printing technology with graphic pigment ink enables a wide range of outdoor and indoor applications.





Applications


- 


Out of Home
- 


Poster
- 


Signage
- 


Billboards
- 


Posters, Photographs
- 

Applications on melamine
- 

POP
- 

Wallpapers
- 

Interior Decoration
- 

Civillight (lightboxes)
- 

Applications on melamine

About aleph A22™ Graphic Pigment Inks

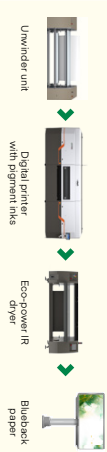
Distinctive Features

Advanced water-based chemical formulation

aleph's A22™ water-based graphic pigment inks are formulated with a newly developed blend of pigments and binders, designed to provide superior quality and high fastness. These inks are developed with the use of advanced nanotechnology to enable excellent performances with proprietary LAFORTE® technology.

Straightforward R2R and R2S Printing Process

Addressing large format digital printing, aleph offers a cutting-edge integrated industrial solution. Central to the process is the printing system, designed to offer roll to roll (R2R) and roll to sheet (R2S) printing, which also features an inline cutting system. The printing and drying processes are processed inline, through a proprietary IR dryer and do not require any additional process.



Superior image definition

The innovative ink formulation – combined with proprietary printing technology and integrated software – **enables to achieve excellent colour vibrancy and photorealistic image quality**, which also results in superior details accuracy. This is ideal for a wide variety of applications, including posters, citylights, POP and others.

aleph A22™ - Colour Range

6 colours

A22 (Billboards)					
	aleph Black Pigment A22™		aleph Black Pigment A22™-SP		
	aleph Cyan Pigment A22™		aleph Blue Pigment A22™-SP		
	aleph Magenta Pigment A22™		aleph Red Pigment A22™-SP		
	aleph Yellow Pigment A22™		aleph Yellow Pigment A22™-SP		
	aleph Cyan Light Pigment A22™		aleph Blue Light Pigment A22™-SP		
	aleph Magenta Light Pigment A22™		aleph Magenta Light Pigment A22™-SP		

aleph A22™ Pigment Inks – Adding-Value Features

	Excellent colour rendering
✓	Wide colour gamut: 6 colours - CMYK plus two light colours
✓	Excellent Colour Vibrancy
✓	Excellent Gradations and Nuances
✓	Photographic Definition of Details
✓	Double Density system for increased colour quality and saturation
✓	Colour Fidelity
	Extreme Application Flexibility
✓	aleph's graphic pigment inks enable users to achieve excellent image quality and definition on several substrates including blueback paper for outdoor applications, whiteback paper for indoor applications, as well as wallpaper and other media
	Stability of the Printing Process
✓	aleph A22™ pigment ink features an advanced binder designed to ensure the printheads smooth operation. Crucially, this resin activates at high temperatures only, therefore it does not clog the printheads while enabling to achieve excellent jetting operability, as well as increased lifespan of the printheads (over 24 months)

	Sustainability
✓	Water-based ink
✓	Extremely low ink consumption of approx. 5g/sqm* (60x600dpi)
✓	No water and solvent consumption thanks to aleph's proprietary vacuum belt
✓	Reduced energy consumption thanks to aleph's efficient drying system
✓	Virtuous environmental impact achieved
<small>* Ink waste consumption may vary depending on the colour profile used, the print resolution and the size of the objects to be printed</small>	
	Top Performances
✓	Designed for Kyocera's 300dpi and 600dpi water-based printheads, implemented for aleph's technology
✓	Excellent jetting performances
✓	Efficient drying system with very low energy consumption
✓	High wet and dry colour fastness for all colours (up to 12 months in outdoor applications)
✓	High fastness to light

Our Environmental Engagement

aleph's A22™ water-based pigment inks are designed and developed with environmental sustainability in mind. Requiring no water or solvent consumption and featuring extremely low energy consumptions, the printing process enables a significant reduction of the overall environmental impact. Adding to this, the process certifications achieved by aleph are yet another evidence of the company's commitment to the environment, as well as of the green value featured by aleph's proprietary technologies and solutions.

aleph A22™ - Environmental Features

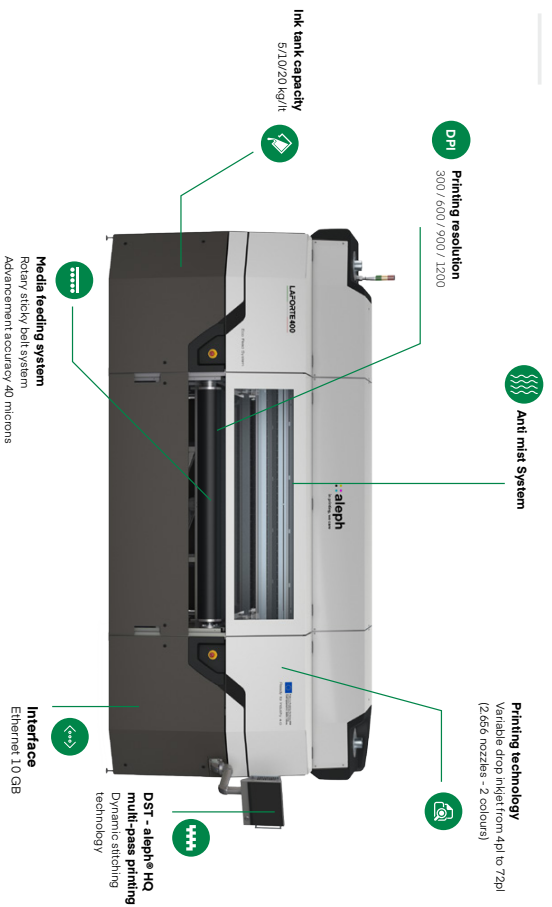
Sustainable water-based inks	Extremely high energy saving
No use of solvent compounds	Zero water consumption



aleph's inks feature an extremely low value of Vocs (Volatile Organic Compounds).

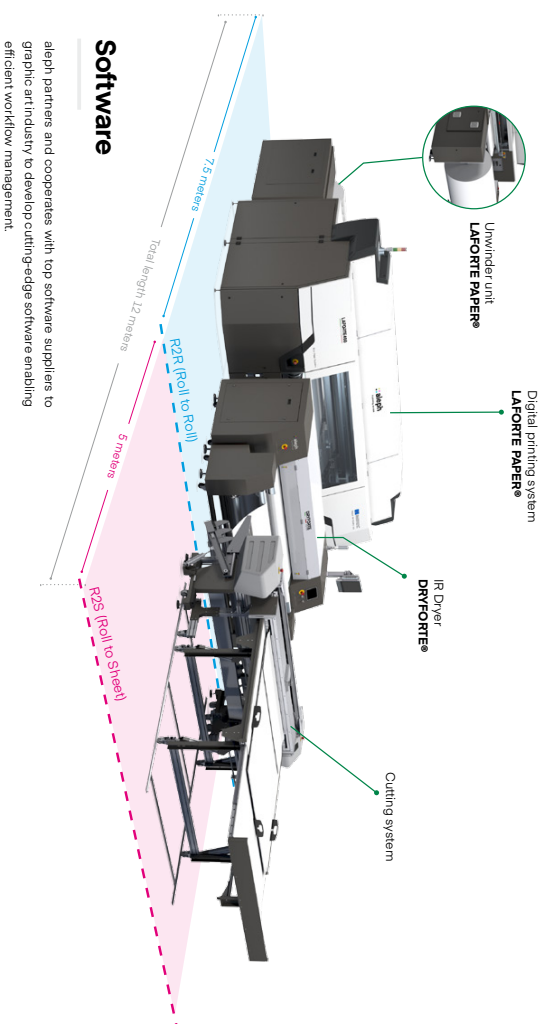
LAFORTE PAPER®

Main features



LAFORTE PAPER®

Integrated line



LAFORTE PAPER® Series
Range models

LAFORTE 100
1800 mm



2x4
colours
Up to 170 sqm/h

2x8 | 1x6
colours
Up to 100 sqm/h

LAFORTE 200
1800 mm



2x4
colours
Up to 380 sqm/h

1x8 | 1x6
colours
Up to 280 sqm/h

LAFORTE 200
3200 mm



2x4
colours
Up to 400 sqm/h

1x8 | 1x6
colours
Up to 300 sqm/h

LAFORTE 400
1800 mm



2x4
colours
Up to 580 sqm/h

1x8 | 1x6
colours
Up to 370 sqm/h

LAFORTE 400
2200 mm



2x4
colours
Up to 600 sqm/h

1x8 | 1x6
colours
Up to 390 sqm/h

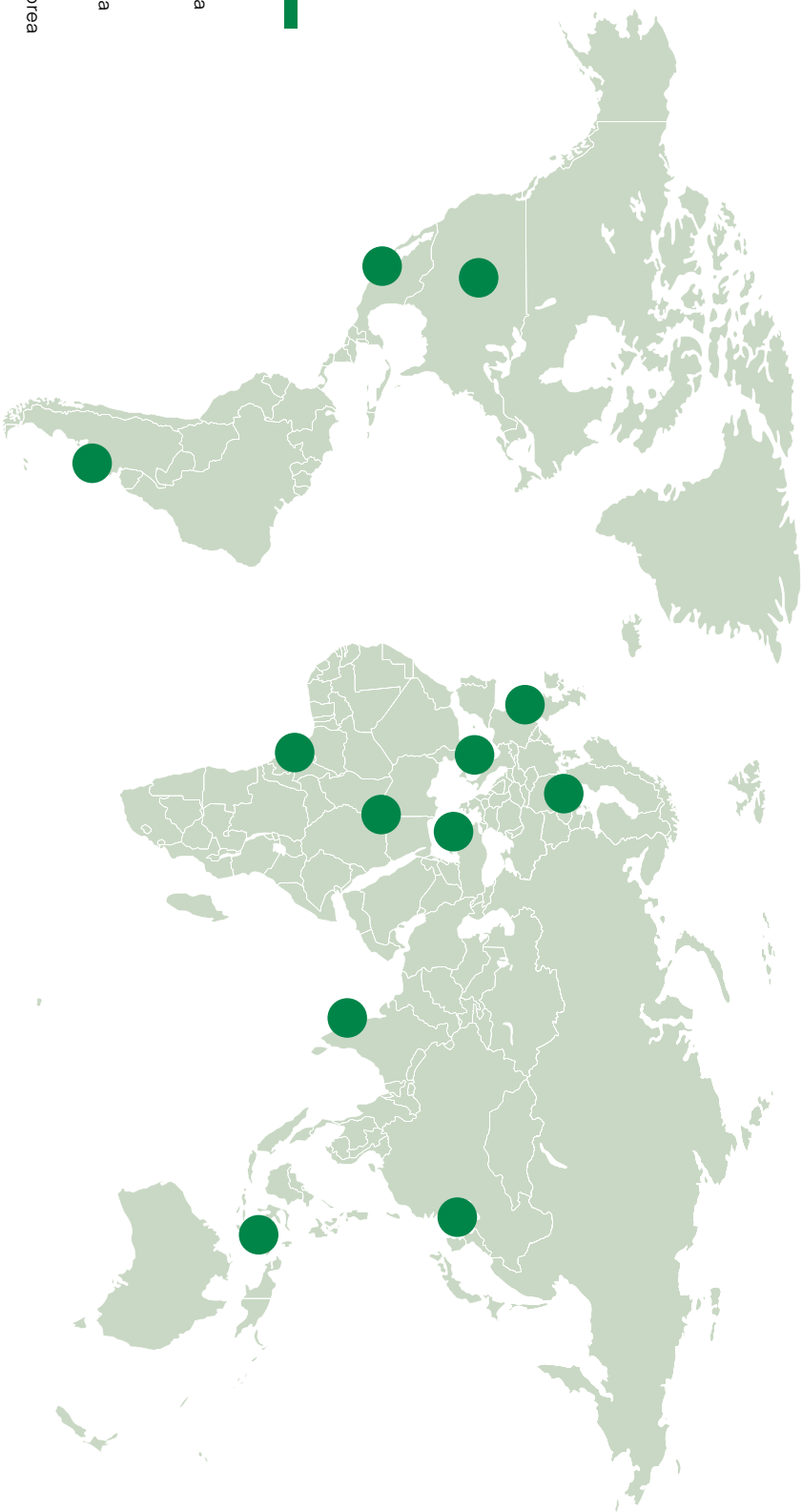
LAFORTE 600
1800 mm



2x4
colours
Up to 900 sqm/h

2x8 | 1x6
colours
Up to 540 sqm/h

Italy
Africa
Argentina
Egypt
France
India
Indonesia
Mexico
Poland
South Korea
Turkey
USA



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MADE IN ITALY 