

# LAFORTE<sup>®</sup> 200

Industrial Digital  
Print solutions

MADE IN ITALY



∴ aleph<sup>®</sup> 20 YEARS  
1999-2019

in printing, we care

# Our difference

Why choose LaForte?

## Premium built

Quality materials with outstanding performance mechanics

## Dual module heads

- Dual channel: 2 colors per head
- Excellent speed & precise jetting
- Significantly reduced maintenance cost due to less number of heads

## Integrated printing solutions

Software + hardware + ink + media

## International team of experts

Our team listens and understands your needs offering cost effective consultancy and solutions

# Our printing results

What are the LaForte advantages?

## High definition printing

- Maximum resolution of 1200 DPI
- Variable drop technology
- Dynamic stitching technology for HQ multi pass printing

## Accurate printing: quality and precision

- Automatic head alignment for maximum precision
- Individual head adjustments: slant and stagger
- Precise belt feeding movement
- Feed accuracy

## Consistant printing results

- Advanced control software accentuates the clearness and authenticity of the output, reducing the dithering effect
- Advanced matrix dot layout guarantees an exceptional yield



2018 – EDP awards:  
**Textile Printer**  
on transfer paper



2018 – Future textile awards:  
**Best Innovation**  
Home Textiles



### Printing technology

Variable drop inkjet from 4pl to 72pl  
(2.656 nozzles - 2 colors)



### Ink tank capacity

5 / 10 / 20 kg/lt



### Compressed air consumption

6~8 bar - 250 L/min



### Interface

Ethernet 10 GB



### Necessary operating conditions

Temperature 18 °C~25 °C (65 °F~77 °F)  
Humidity 45-60%



### Media feeding mechanism

Rotary belt with vacuum system  
(patented)



### DST

Dynamic stitching technology



### Printing resolution

300 / 600 / 900 / 1200



### Media

Paper and plastic film



### Ink

Sublimation, pigment



### Number of colors

4 / 6 / 8

# Printer model and specs



## POWER SETTINGS

16 kVA / 3 phases+neutral /  
380–420V ±10% / 26A

## DIMENSIONS

4680x2100xh 2400 mm

## WEIGHT

2.700 kg



## POWER SETTINGS

19 kVA / 3 phases+neutral /  
380–420V ±10% / 26A

## DIMENSIONS

6180x2100xh 2400 mm

## WEIGHT

4.400 kg

# Our mechanics makes the difference

How does it work?

## Anti-mist technology & solvent free printing

- No contamination on printer
- Healthier environment for the operator
- No glue used on belt

## Innovative rotary belt

- The printer may be used to print on variates of paper using an innovative rotary belt with air vacuum system
- Giving more stability and no elongation to obtain better printing results
- Easy to clean for less downtime
- Patented system

## Solid aluminum frame

Eliminates vibration, guaranteeing a stable print and a long life with no rust

## Heavy-duty carriage

- Laser cut heads stage
- External electronics
- Fiber optic cables

## Stable ink sub-tank

- System for negative pressure control
- Separate ink pressure per single channel
- Pressure sensor for auto-correcting pressure stability
- External sensor for determining ink level

## Reliable & precise motion

- Manually assembled in house
- Magnetic linear motor and double rail for carriage stability
- Aluminum bridge 0.02 mm torsion/deflection
- 300 kg bridge weight
- Head crash safety plates

## Feeding & auto switch ink system

- Eliminates downtime for manual ink change: auto ink switch when empty
- 10 kg per color
- No ink is wasted
- Rapid connector - Easy to operate

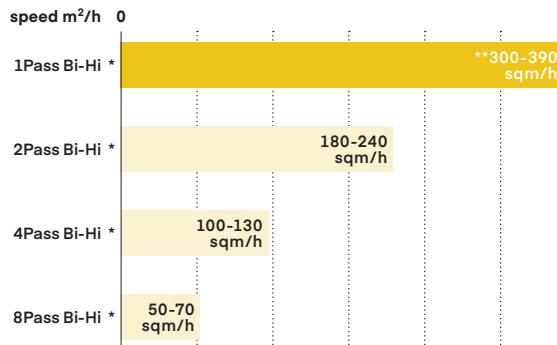
## Touch panel

- User friendly interface
- Print queue manager
- IoT Maintenance Section
- Remote assistance

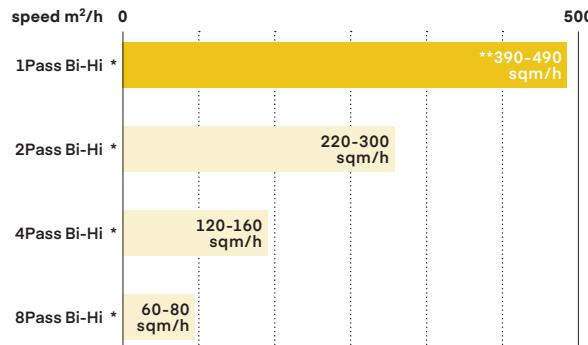
## Front dryer & take up

- Micro weave ceramic lamp for low energy consumption
- Compact
- Huge reduction on exhaust smokes
- Continuous tension and roll alignment

## print width 1800 mm



## print width 3200 mm



## 4-color

2xCMYK



8 Print Heads - 2 lines



4 colors / 8 heads / 2 lines

## 8-color

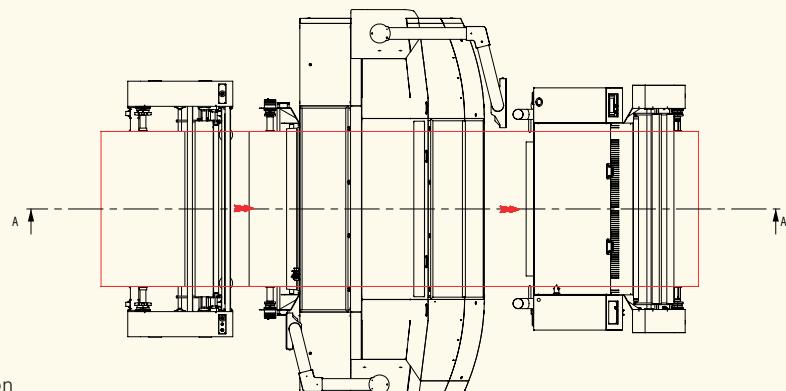
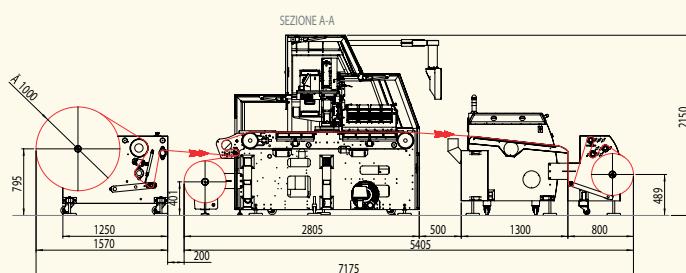
8 Print Heads - 2 lines



8 colors / 8 heads / 2 lines

\*\* 1 Pass mode: available only for dual channel per color.

\* Print speed may vary depending to the substrate, the quality required and the print width selected.



- Example of a full line configuration
- Accessories are an optional
- Configuration available for all models

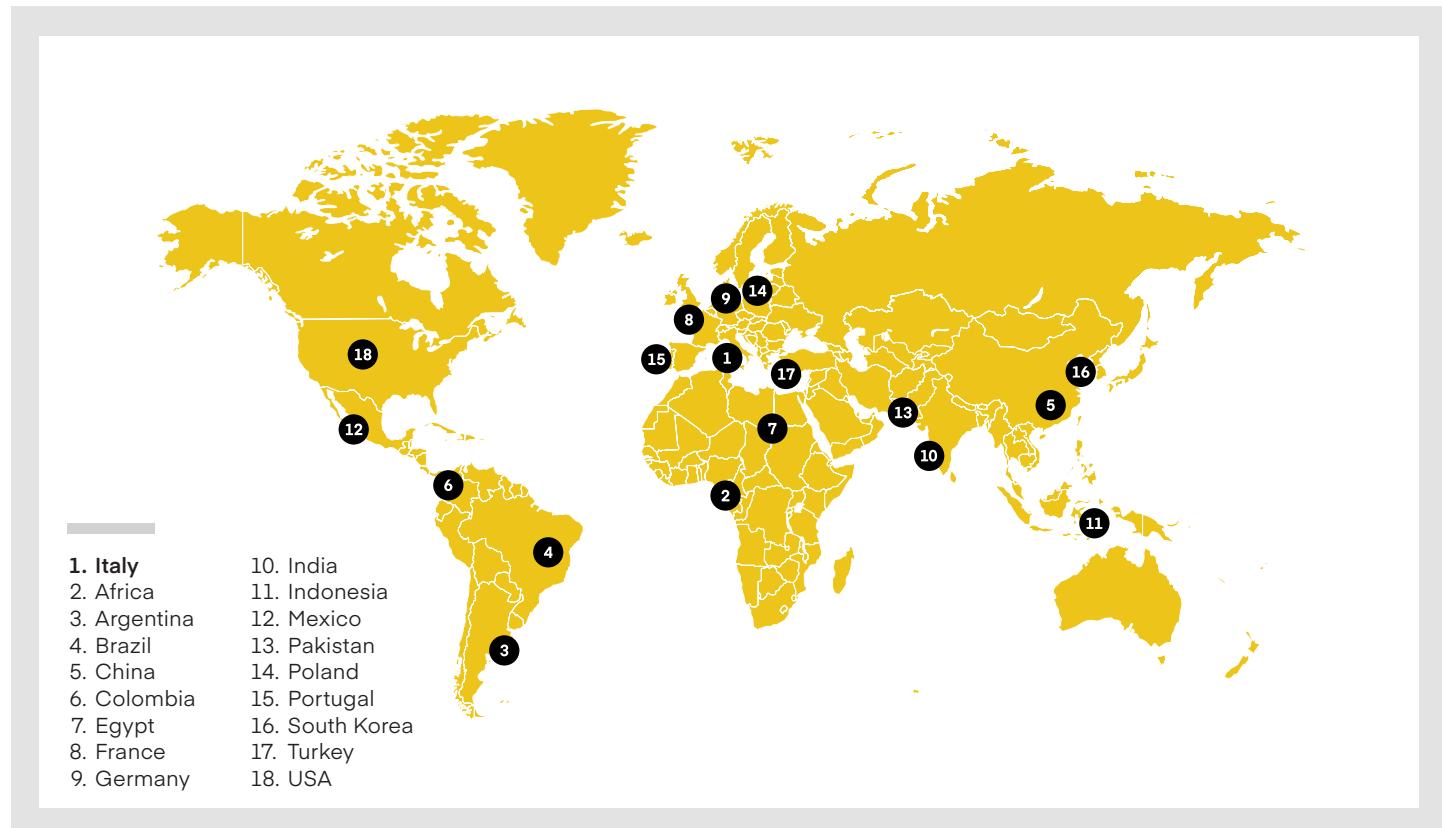
# Aleph

In printing, we care

Founded in 1999 in Como, **in the heart of Italian textiles district**, Aleph has become an **international player in digital printing solutions with a dedicated sales force and a distribution network** located in key textile markets. Aleph's **extensive know-how in high quality proprietary printing software** and the experience gained **with major textile companies**, have allowed the company to become a manufacturer of **technologically advanced inkjet**

**digital printers.** From high-tech digital printers to drying systems, from proprietary software to consumables, Aleph is able to offer **integrated printing solutions to their clients in order to become a partner for their success.** Thanks to its **customer-centered approach, cost-effective solutions and the expert service**, Aleph aims to ensure the clients the maximum return on their investments.

## Our values



## Our office

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