

LAFORTE

Optima

Digital solutions for medium volume printing



fabric

aleph
in printing, we care

Our difference

Why choose LaForte?

Exceptional production capacity

for printing medium volumes

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 number of heads

Upgradable technology & flexibility

- Head count adjustable from between 2 to 8
- Keep the printer, change the software and features: the machine grows with your business

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

High definition printing

- Maximum resolution of 1200 DPI
- Variable drop technology

Accurate printing: quality and precision

- Simplify head alignment for maximum precision
- Individual head adjustments: slant and stagger
- Precise belt feeding movement
- Feed accuracy less than 20 microns

Consistant printing results

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



2017- Future textile awards:
LaForte best innovation
industrial textiles



Printing technology

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



Ink tank capacity

5/10 litres (double tank)



Compressed air consumption

6-8 bar - 250 L/min



Interface

Ethernet 1 GB



Necessary operating conditions

Temperature 20 °C-24 °C (68 °F-76 °F)
Humidity 50-65%



Water consumption

25-50 L/h



Media feeding mechanism

Rotary sticky belt system

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

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

DIMENSIONS

5080x2100xh 2400 mm

WEIGHT

2.900 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?

Boundless variety of applications

Print on a wide selection of fabrics with optimal results: polyester, cotton, viscose, silk, lycra, wool, canvas and much more.

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
- Optical fiber cable

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

Anti mist aspiration system

- No contamination on printer
- Healthier environment for the operator

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

Practical washing unit

- Detachable washing unit
- Easy to clean for less downtime
- Spiral Brush to prevent dirt accumulation
- Triple squeegees

Touch panel

- Front and back side
- 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 smoke
- Continuous tension and roll alignment

Printing resolution



Supports

Fabrics

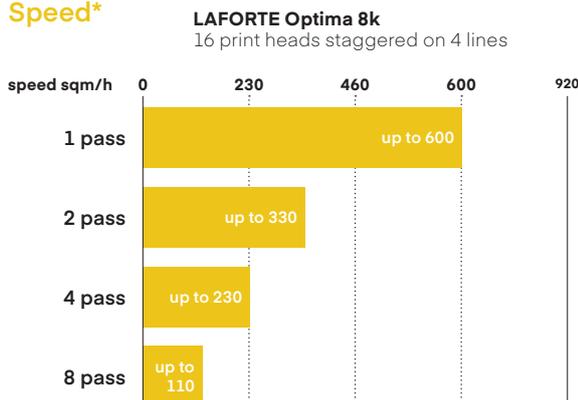
Ink

Reactive, acid, pigment, direct sublimation, direct disperse

Number of colors



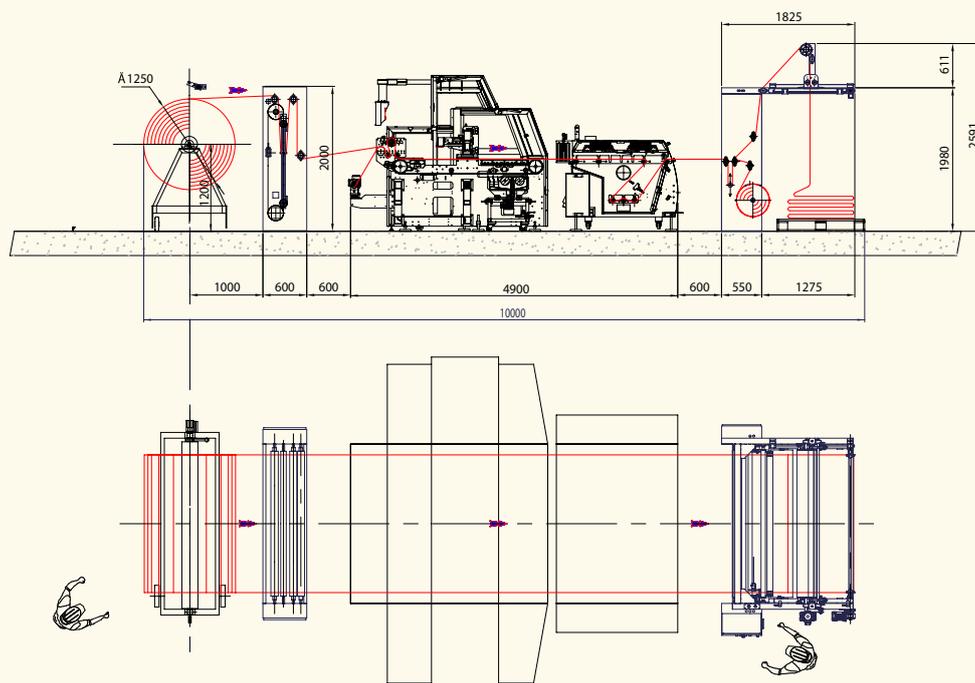
Speed*



2x4/4/6/8 colours
2/8 heads
2 row



*Depending on complexity, coverage and quality required.



Example of a configuration for all models, specifics and details to be inserted.

- Accessories are an optional
- Example of a full line configuration

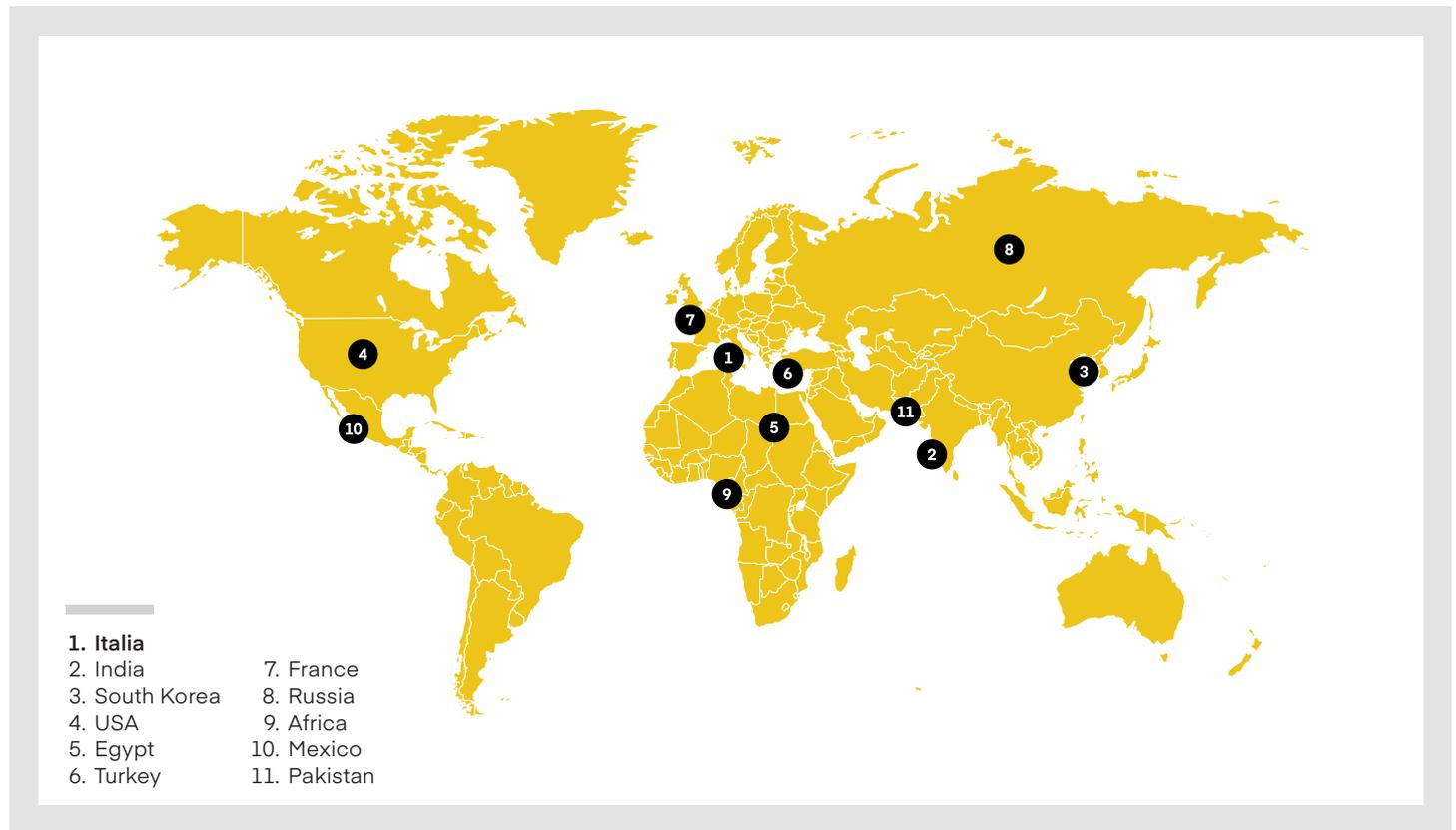
Aleph

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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