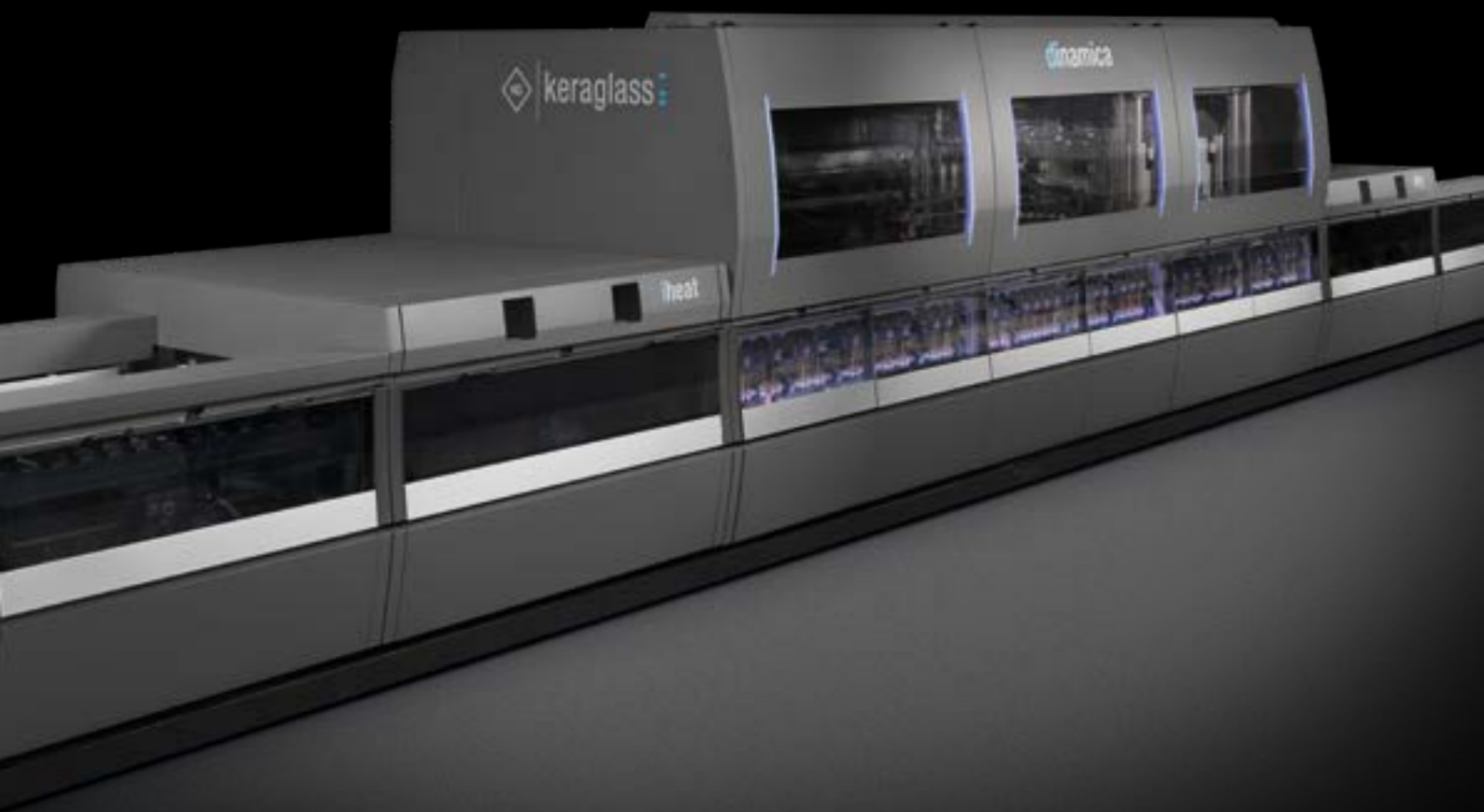
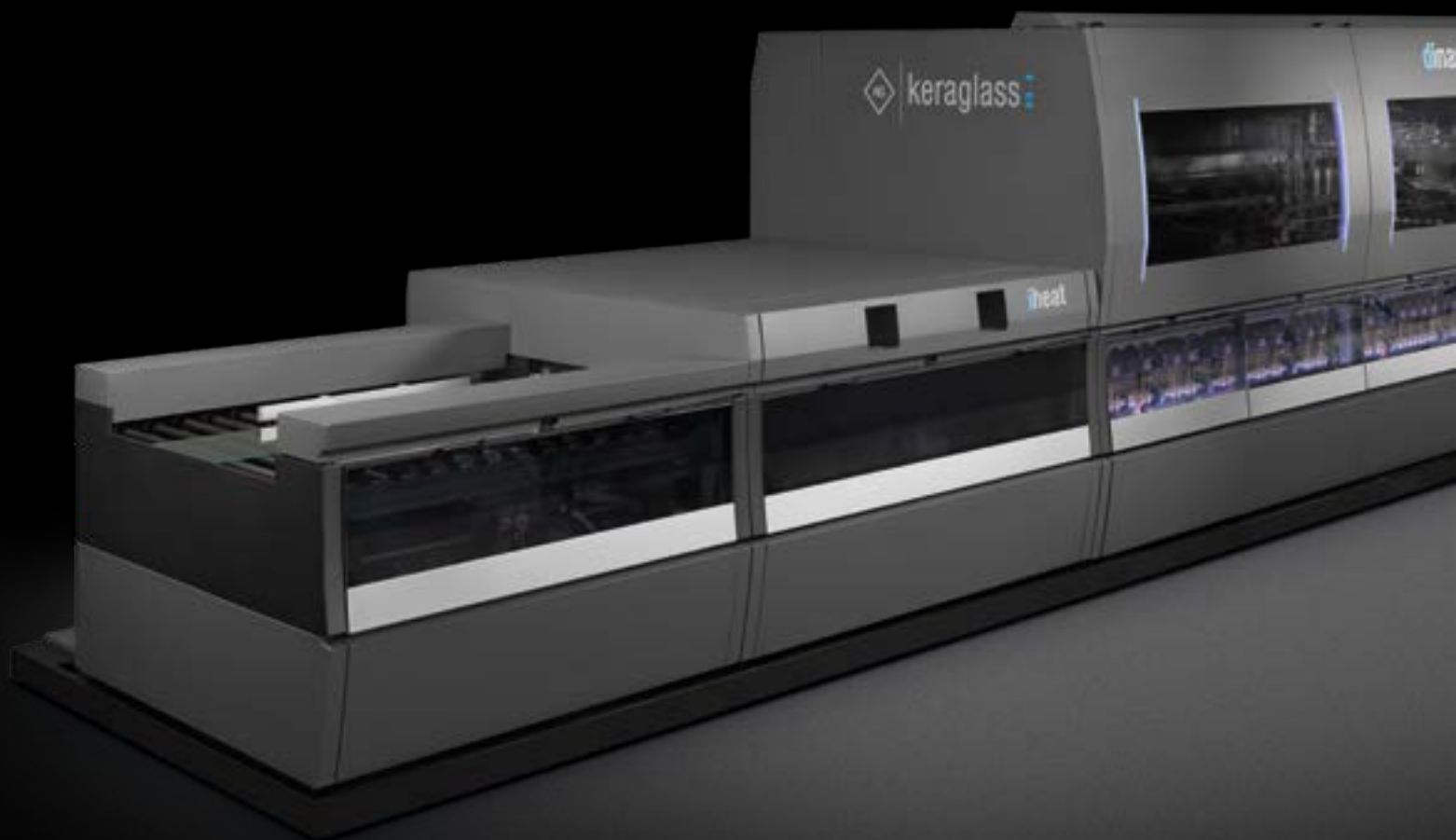


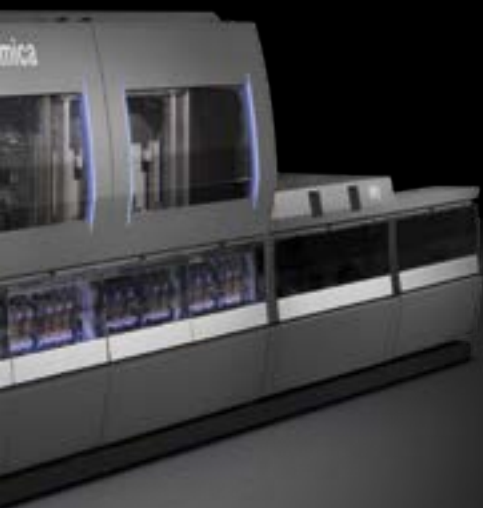
dinamica





CORE BUSINESS

An overview that makes the difference. What characterizes Keraglass as a worldwide leader in the glass industry is its «all around» approach. With innovative, functional and customer oriented solutions. Developed around a deep and direct analysis of the issues that may arise in glass processing on flat and curved tempering, screen printing, roller-coating and laminating.



■ IN LINE WITH THE FUTURE

- With dinamica Keraglass completes its range in the glass decoration sector with a new, innovative and technologically advanced system, designed to provide an integrated process that meets the requirements of industrial operations of the latest generation.
-

DINAMICA: THE NEW FRONTIER IN DIGITAL PRINTING

The dinamica line combines flexibility in digital printing with the high speed typically associated with conventional screen printing techniques. The innovative solution that makes it possible to meet the needs of the most exclusive design projects in the home appliance, interior design and automotive sectors.

HEADQUARTERS

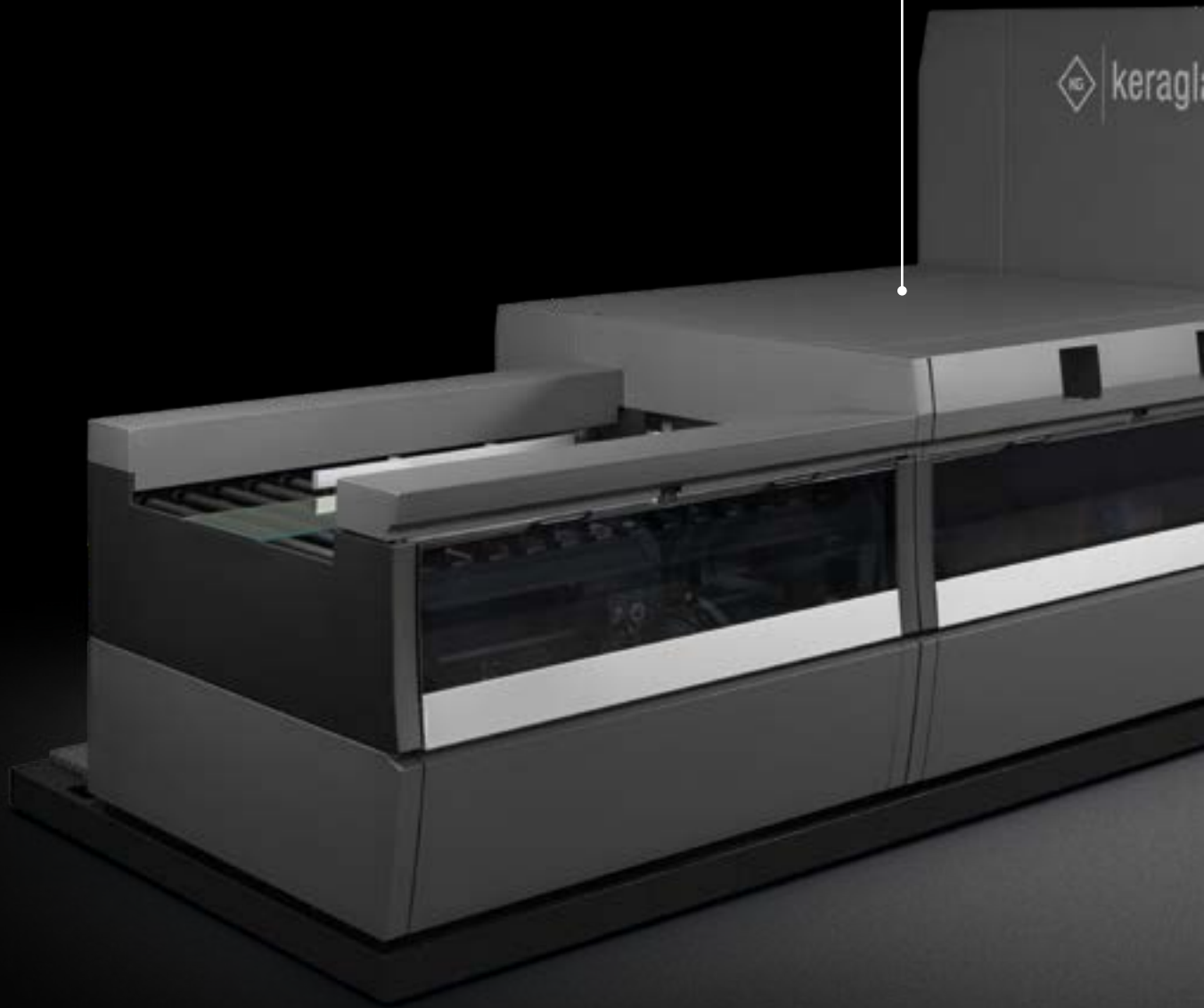
The headquarter in Baiso (Italy), with an area of 10,000 sqm includes executive offices, production workshops, R&D, warehouses in addition to the technological Showroom. All these aspects are the real flagship for technology and innovation.



dinamica

HEATING

iheat



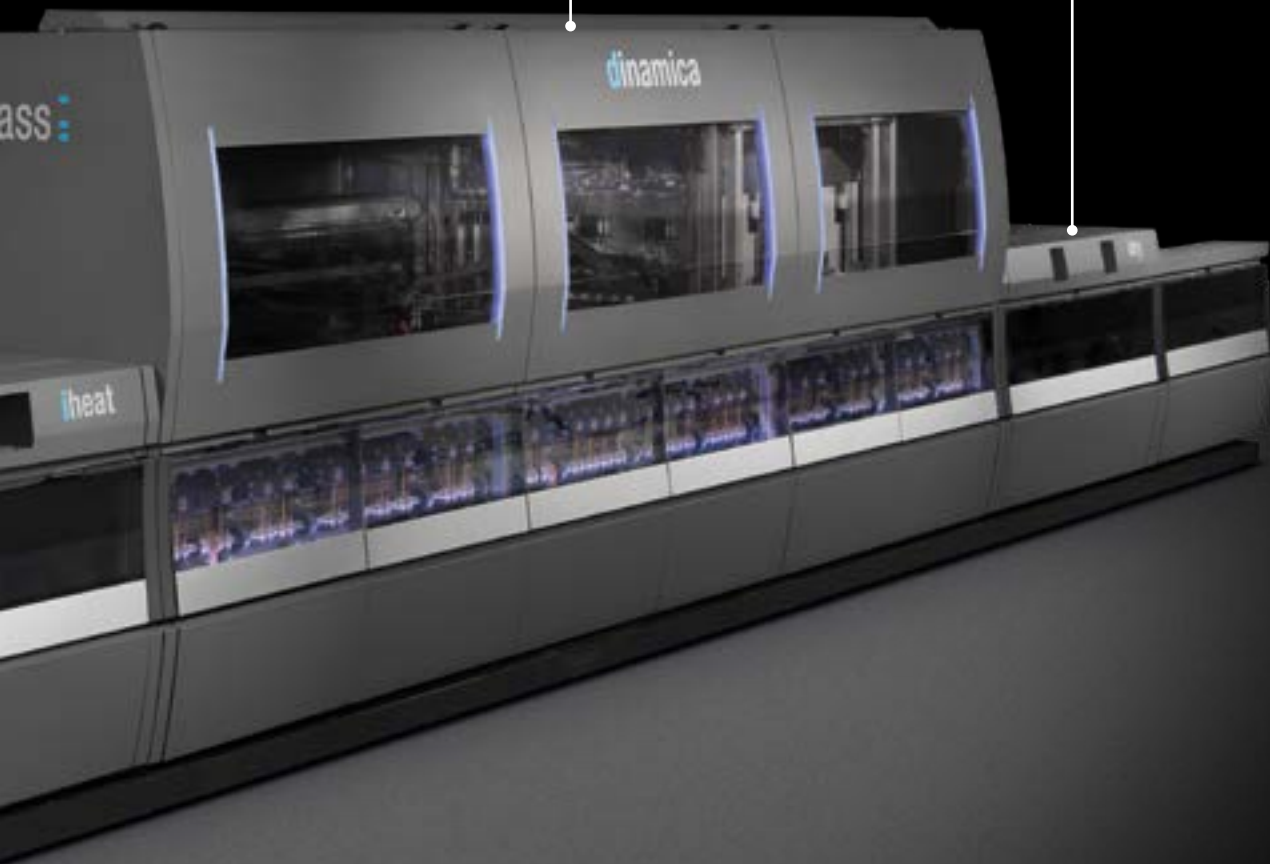
**FLEXIBILITY, PERFORMANCE AND SPEED
WITH HIGH DEFINITION**

DIGITAL PRINTING MACHINE

dinamica

DRYER

idry





■ DINAMICA

The revolutionary dinamica digital printing system streamlines the process of applying graphics of all types to glass surfaces. The operator can choose between multi pass or single pass printing. With multi pass printing, after the automatic alignment operation, the glass sheet is stopped and scanning printed, with the facility to change the colour printing sequence. With the single pass process, the printing unit is fixed and it is the glass that moves, allowing the application of a single "coat" in multiple colours. The constantly recirculated ceramic ink allows for rapid repeat print jobs, thus guaranteeing constant availability of the machine and exceptional flexibility of use.



dinamica

**SINGLE AND MULTI PASS
DIGITAL PRINTING LINE**

- + FLEXIBILITY
 - + SPEED
 - + CONSTANT AVAILABILITY
 - + DUAL PRINTING SYSTEM
-





MOTORIZATION

The drive system imparts continuous, smooth and instantaneous movement to the rollers by means of synchronous belt transmissions.



PRE-ALIGNMENT

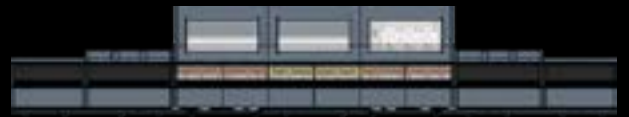
Single sheet alignment system for high precision printing without operator intervention.



AUTOMATIC CLEANING OF PRINTING HEADS

Automated system for maintenance and cleaning of printing heads, thus avoiding downtimes.





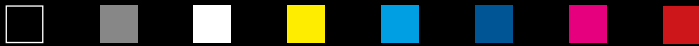
PRINTING UNIT

Consisting of 3 or more colour bars, individually removable for easy maintenance and cleaning.

INKS

- The range of ceramic inks used for digital decoration of glass was developed in compliance with the main quality standards and rigorously tested. The chromatic range is formed of cadmium-free and lead-free pure colours formulated from special frits and pigments
- designed to maximise adhesion to the glass surface. The inks guarantee durability, chemical and mechanical resistance and use in the most adverse conditions.

-
- + UNIVERSAL COMPATIBILITY
 - + BETTER GLASS ADHESION
 - + INNOVATION
 - + ECOLOGICAL

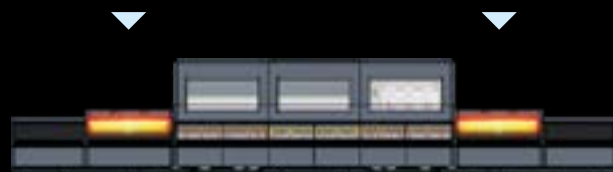


PRINTING HEADS

High colour intensity and fast print speeds, electronics for each printing head with 7 variable drops, fast replacement and alignment: all features shared by the dinamica printing heads



HEATING DRYER



IHEAT

The iheat system is used to preheat the glass to obtain top performance levels during the subsequent printing operation.



IDRY

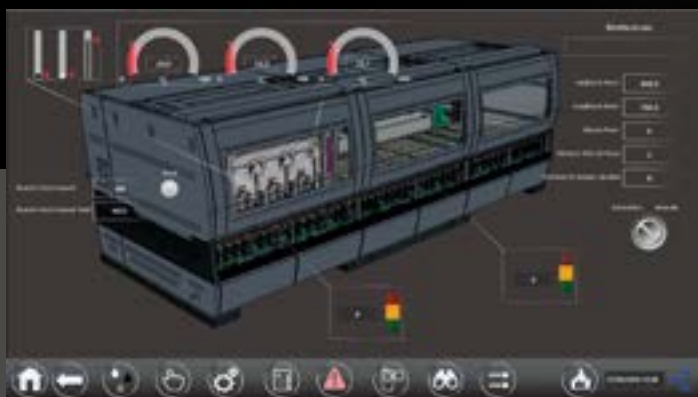
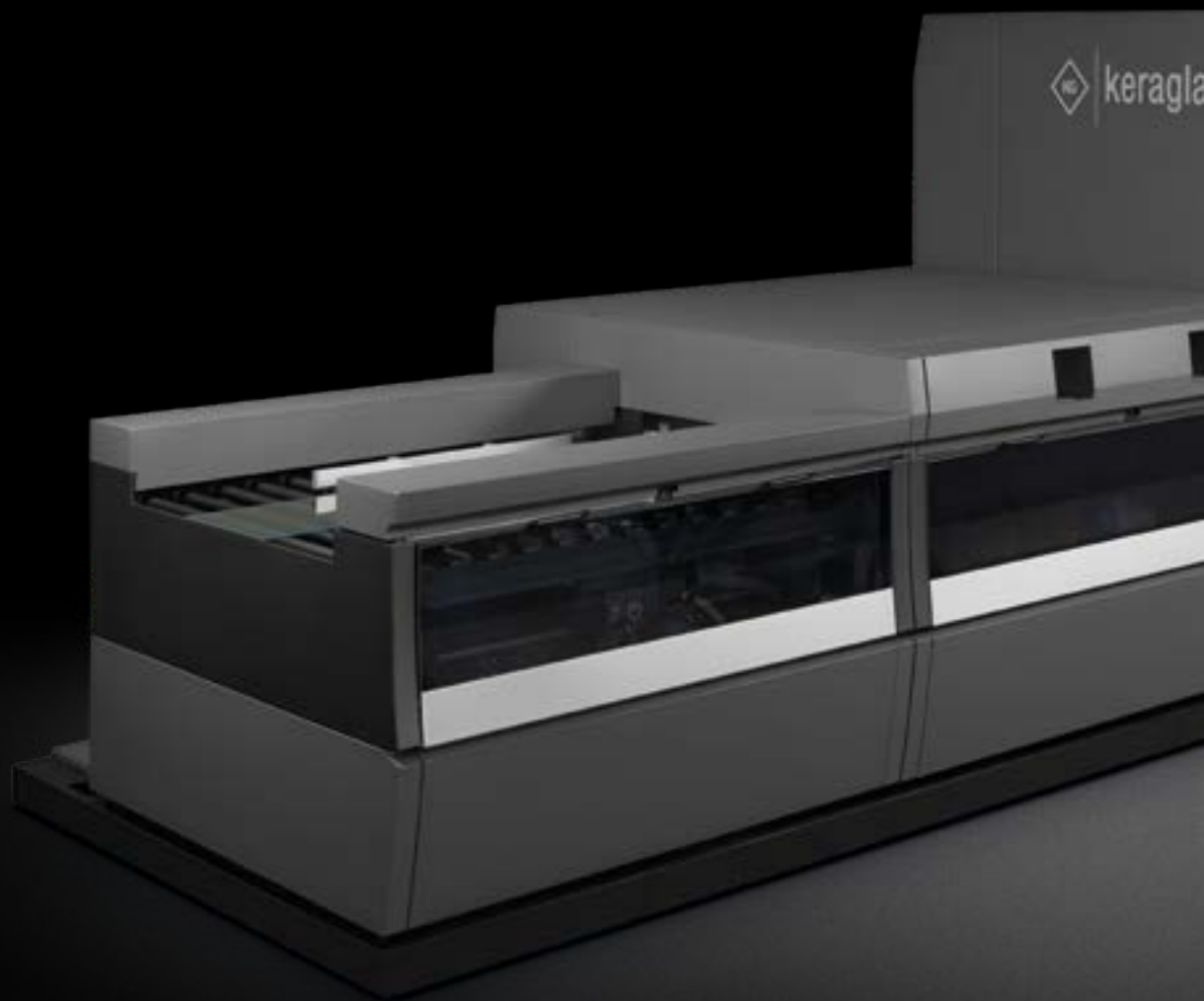
Idry system for perfect ink drying after the printing process.



IR LAMPS

The heating and post-drying processes are provided by IR lamps mounted above the roller conveyor.

SUPERVISION INTELLIGENT



THE INTELLIGENT VISION

A large touch screen with a full graphic interface supervision system allows total control of the line. Easy to use, the system reduces machine downtimes and operator errors thanks to the integrated scheduled maintenance system.



INKS MANAGEMENT

The supervision software provides full control of ink management parameters: temperature, pressure, circulator pumps and level sensors.



SERVICE › SCHEDULED MAINTENANCE PLAN

The Routine maintenance operations required to keep the various parts of the line operating at full efficiency are communicated automatically in the Supervision Intelligent system.



RECIPES MANAGEMENT

Unlimited storage of all input recipes means faster machine set-up at the time of production changeovers.



MANUAL CHECKS AND ADJUSTMENTS

Thanks to manual management of the machine parameters and movements, cleaning and/or maintenance tasks are simplified during machine services.

DATA SHEETS

dinamica 700

Glass line level (mm)	900 ~ 1100
Standard power supply (V,Hz)	400 ~ 480 VAC 50/60 Hz 3ph+N+G
Power input (kW)	20 (17 + 17) = 54
Compressed air consumption (CFM)	9
Minimum working pressure (bar)	6
Number of printing heads per bar	10
Max bar printing width (mm)	700
Number of colours	1 ~ 4
Drop size (pl)	12 ~ 84 subdivided into 7 levels
Supported images format	PSD, PSB, BMP, TIF
Maximum resolution (dpi)	up to 1440
Glass thickness (mm)	2,8 ~ 10

Note: The above-mentioned productivity data are based on 100% useful charge, on a hour constant production and with glass size according to standard rules. Actual productivity depends on the operator's efficiency, size of the glass, shape and quality standards requested by the customer.



dinamica 1600

Glass line level (mm)	900 ~ 1100
Standard power supply (V,Hz)	400 ~ 480 VAC 50/60 Hz 3ph+N+G
Power input (kW)	30 (71 + 71) = 172
Compressed air consumption (CFM)	18
Minimum working pressure (bar)	6
Number of printing heads per bar	22
Max bar printing width (mm)	1600
Number of colours	1 ~ 4
Drop size (pl)	12 ~ 84 subdivided into 7 levels
Supported images format	PSD, PSB, BMP, TIF
Maximum resolution (dpi)	up to 1440
Glass thickness (mm)	2,8 ~ 10

Note: The above-mentioned productivity data are based on 100% useful charge, on a hour constant production and with glass size according to standard rules. Actual productivity depends on the operator's efficiency, size of the glass, shape and quality standards requested by the customer.





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